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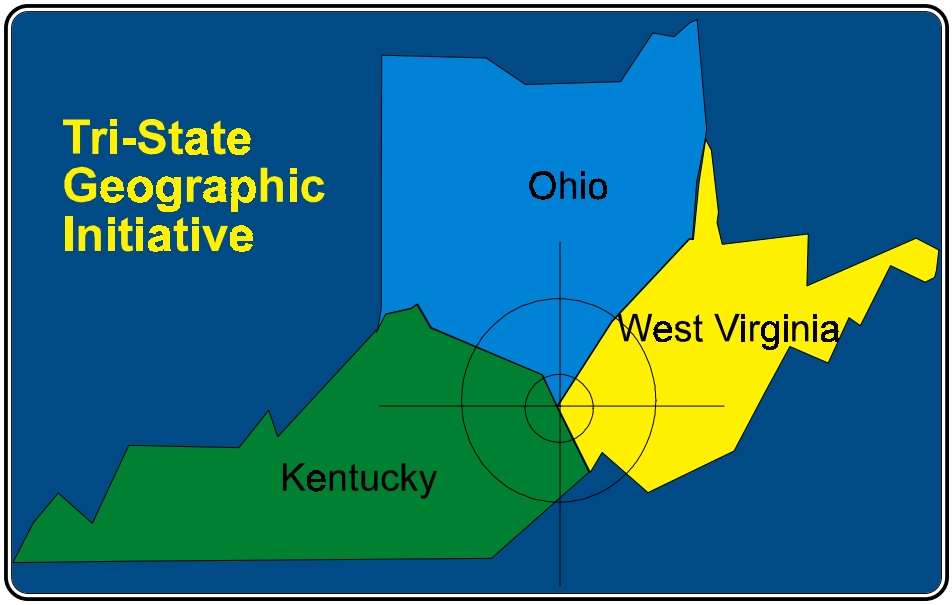

FINAL
TRI-STATE GEOGRAPHIC INITIATIVE
KENOVA INDUSTRIAL CLUSTER AIR MODELING RISK ASSESSMENTS

EPA Region 3 P.O. Number OP-3016-NTLX
Gannett Fleming Project Number 38121

SEPTEMBER 2000

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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LIST OF ACRONYMS

µg	micrograms
ACGIH	American Conference of Governmental Industrial Hygienists
ASTM	American Society of Testing and Materials
ATSDR	Agency for Toxic Substances and Disease Registry
AWQC	Ambient Water Quality Criteria
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
CALPUFF	California Puff air model
CALMET	California Meteorological model
CAPCOA	California Air Pollution Control Officers Association
CDC	Centers for Disease Control and Prevention
CFR	Code of Federal Regulations
CLP	Contract Laboratory Program
COPC	Contaminants of Potential Concern
CPS	Carcinogenic Potency Slope
CSF	Cancer Slope Factor
EPC	Exposure Point Concentration
ft	feet
GF	Gannett Fleming
GIS	Geographic Information System
HEAST	Health Effects Assessment Summary Tables
HI	Hazard Index
HQ	Hazard Quotient
ILCR	Incremental Life Time Cancer Risk
IRIS	Integrated Risk Information System
kg	kilogram
L	liter
LD_{50}	Dose that is lethal to 50% of the test organisms
LC_{50}	Concentration that is lethal to 50% of the test organisms
LOAEL	Lowest Observed Adverse Effect Level
MCLs	Maximum Contaminant Levels
MEI	Maximally Exposed Individual
mg	milligrams
MRLs	Minimum Risk Levels
NIOSH	National Institute for Occupational Safety and Health
NOAEL	No Observed Adverse Effect Level
NWS	National Weather Service
OSHA	Occupational Safety and Health Administration
PAHs	Polynuclear Aromatic Hydrocarbons
PELs	Permissible Exposure Levels
ppm	parts per million
RAGS	Risk Assessment Guidance for Superfund

LIST OF ACRONYMS

RBC . . . . . Risk-Based Concentration
RELs . . . . . Reference Exposure Levels
RfC . . . . . Reference Concentration
RfD . . . . . Reference Dose
SARA . . . . . Superfund Amendments and Reauthorization Act
SDWA . . . . . Safe Drinking Water Act
SIC . . . . . Standard Industrial Classification
SLERA . . . . . Screening Level Ecological Risk Assessment
SOP . . . . . Standard Operating Procedure
SVOC . . . . . Semivolatile Organic Compound
TGI . . . . . Tri-State Geographic Initiative
TLVs . . . . . Threshold Limit Values
TRI . . . . . Toxic Release Inventory
UCL . . . . . Upper Confidence Limit
URF . . . . . Unit Risk Factor
USEPA . . . . . United States Environmental Protection Agency
USFWS . . . . . United States Fish and Wildlife Service
USGS . . . . . United States Geological Survey
VOC . . . . . Volatile Organic Compound

EXECUTIVE SUMMARY

In 1991, Kentucky, West Virginia, Ohio and the United States Environmental Protection Agency (USEPA) Regions 3, 4, and 5 formed a partnership to study the 2,300 square mile area where the three states converge. The mission of the partnership was to ascertain the environmental status in this Tri-State area, and to develop and implement a plan to respond to any problems identified with existing authorities. The partners called this mission the Tri-State Multi-Media Geographic Initiative (now known as The Tri-State Geographic Initiative or TGI) (TGI 1997a).

During project planning, air quality emerged as the top priority. The Initiative's Technical Steering Committee established the Air Toxics Project. Study of the Tristate area's air quality was conceived to consist of three components: air monitoring, air dispersion modeling, and assessment of the risks associated with any pollutants found during the monitoring and modeling. The decision was made by the Steering Committee to focus initial air toxics evaluation efforts on the Kenova Industrial Cluster (TGI 1997a).

This report presents the results of the human health risk assessment and acute effects evaluation performed using the air modeling data developed for the Kenova Industrial Cluster based on industrial emissions from July 1996 through June 1997. The air modeling risk assessment focused on direct exposure to airborne contaminants through the inhalation pathway.

A contractor to the U.S. Environmental Protection Agency, Region 5 (USEPA Region 5, 2000) conducted refined meteorological and non-steady-state air quality dispersion modeling on behalf of Tri-State Geographic Initiative. The purpose of the modeling was to evaluate the air quality impacts of toxic air pollutants from the Kenova Industrial Cluster. Emissions from four facilities, the Ashland Petroleum Company, the Ashland Chemical Company, the Aristech Chemical Company, and the Calgon Carbon Corporation were considered in the modeling.

The modeling ran the CALPUFF air model for a full year period using the appropriate CALMET

inputs for the four sources in the Kenova Industrial Cluster. Input values to the model were derived from emissions data provided by the four facilities listed above for the time period July 1996 through June 1997. There were three distinct tasks to the modeling:

1.) TASK 1 used the maximum emission rate for each source at each facility throughout the year. However, for Ashland Petroleum, the maximum emission rate was not available. Therefore, the typical daily emission rate for each chemical was used for each source at this facility.

2.) TASK 2 used variable daily emissions (when available) for each source at each facility over ten distinct short-term episode periods.

3.) TASK 3 used variable daily emissions (when available) for each source at each facility for the entire modeling period, i.e. a whole year.

The data used in the chronic risk assessment were developed during Task 1 and Task 3 of the Air Modeling program for the Kenova Industrial Cluster (USEPA 2000). These data represented annual average concentrations of each chemical derived from either maximum daily emission rates (Task1) or variable daily emission rates (Task 3). For the purpose of the chronic risk assessment, COPCs were limited to those chemicals that exceed a selected risk-based screening criterion. Final COPCs for the quantitative risk assessment included:

Task 1	Task 3
Acrylic Acid	Acrylic Acid
Antimony	Antimony
Arsenic	Arsenic
Benzene	Benzene
1,3-Butadiene	1,3-Butadiene
Carbon Tetrachloride	Carbon Tetrachloride
Chlorine	Chlorine
Furfural	Furfural

Task 1	Task 3
Hydrogen Chloride	
Naphthalene	Naphthalene
Nickel	Nickel
Toluene	Toluene
1,2,4-Trimethylbenzene	1,2,4-Trimethylbenzene

Adult and child residential receptors were selected for evaluation in the chronic Human Health Risk Assessment as they represented the receptors that would be expected to be most protective of human health.

Modeled ambient air data for each receptor location were used as the exposure point concentration for each location individually. The data used represented average annual air concentrations of each chemical from each location. Data for Task 1 and Task 3 were evaluated separately.

Hazard Quotients (HQs) were calculated for 12 noncarcinogenic COPCs for Task 1 data and 11 noncarcinogenic COPCs for Task 3 data at 4022 receptor locations. Hazard Indices (HIs) exceeded one at multiple locations for both the child and the adult residential receptor for both data sets. The noncarcinogenic risks were found to be greatest near the facilities. However, HIs for modeling points located adjacent to the city of Kenova and in areas almost two miles distant from the industrial facilities were also in excess of one.

Forty locations were designed as sensitive receptor locations in the modeling report (USEPA Region 5, 2000). For Task 1 data, HIs in excess of one were found at five sensitive receptor locations based on results for the child receptor (sensitive receptor identification numbers 22- Ferndale School, 33- Citizen's residence, 35- Corn Field monitoring location, 36- Sweet Run monitoring location and 37- Centennial Drive monitoring location), and in two sensitive receptor locations based on results for the adult receptor (sensitive receptor identification numbers 33- Citizen's residence and 35- Corn Field monitoring location). For Task 3 data, HIs in excess of one were found at four sensitive receptor locations based on results for the child receptor

(sensitive receptor identification numbers 33- Citizen's residence, 35- Corn Field monitoring location, 36- Sweet Run monitoring location and 37- Centennial Drive monitoring location), and in two sensitive receptor locations based on results for the adult receptor (sensitive receptor identification numbers 33-Citizen's residence and 35- Corn Field monitoring location).

Compounds with HQs in excess of one for the child receptor included: antimony, benzene, carbon tetrachloride, chlorine, naphthalene, 1,2,4-trimethylbenzene and toluene. HQs for the COPCs acrylic acid, arsenic, furfural, and nickel were less than one at all 4022 locations. Hydrogen chloride was not a COPC for the Task 3 data set and did not exceed an HQ of one for the Task 1 data set.

Carcinogenic risks were calculated for five COPCs at 4022 receptor locations for both Task 1 and Task 3 data sets. Results for the lifetime receptor were obtained by summing risks calculated for the adult and the child residential receptor. The lifetime receptor represents an individual who would reside in the Kenova Industrial Cluster area from childhood through the age of 30.

For the lifetime, adult and child receptors, risks in excess of 1E-4 and 1E-5 were found in many locations. The highest risk rates were obtained at locations closest to the industrial facilities. For Task 1 data, cumulative lifetime risks were found to exceed 1E-5 at three special receptor locations (sensitive receptor identification numbers 33- Citizen's residence, 35- Corn Field monitoring location and 37- Centennial Drive monitoring location), but risks did not exceed 1E-4 for any special receptor location. Cumulative lifetime risks were found to exceed 1E-5 at four special receptor locations (sensitive receptor identification numbers 33- Citizen's residence, 35- Corn Field monitoring location, 36- Sweet Run monitoring location and 37- Centennial Drive monitoring location) for the Task 3 data set but risks did not exceed 1E-4 for any special receptor location.

Individual risks for all five carcinogenic COPCs, including arsenic, benzene, 1,3-butadiene, carbon tetrachloride and nickel, exceeded 1E-6 at numerous receptor locations for both the Task

1 and the Task 3 data sets.

An additional objective of this report was to present an evaluation of the potential acute risks to human health based on the Kenova Industrial Cluster modeling results. Health effects that humans may experience due to short-term (acute) exposures to elevated levels of airborne contaminants can vary significantly from those experienced after long-term exposure to low doses, depending on the contaminant and its concentration.

To determine the potential for adverse health effects to occur from short-term exposure to elevated levels of airborne contaminants, each modeled result from this study was compared to an acute health-based screening value, if available. Because this was a screening-level evaluation of potential acute health effects, it was assumed that if a contaminant exceeded the screening criteria then there was a potential for adverse human health effects.

Unlike the screening values developed to evaluate chronic exposures, only a limited number of benchmarks for acute inhalation exposures have been developed at this time for non-emergency acute exposures. Acute screening values used in this evaluation were derived from numerous sources. Acute screening values were developed for comparison to 1 hour maximum annual concentrations of each chemical (Task 1 and 3), 1 hour maximum concentrations of each chemical within an episode (Task 2) and maximum 24 hour average concentrations of each chemical within an episode (Task 2). Data used in this evaluation included the 1 hour maximum concentrations generated from Tasks 1 and 3 and both the 1 hour maximum concentration and the maximum 24 hour average concentration generated for the 10 one-day episodes in Task 2.

Of the modeled contaminants, three were determined to exceed the selected screening levels in all three data sets. The contaminants that exceed the selected acute screening value were arsenic, benzene and nickel.

A ratio of the maximum modeled concentrations to the selected acute screening levels were calculated for constituents for which the maximum modeled concentration exceeded the selected

acute screening value. The ratios were calculated by dividing the selected acute screening value into the maximum modeled concentration of the contaminant. The calculated ratios for arsenic ranged from 1.0 to 8.0. Calculated ratios for benzene ranged from 1.2 to 4.0. This indicated that the maximum concentration modeled for these chemicals that exceeded the acute screening criterion only slightly exceeded their screening criteria. The calculated ratios for nickel exceedances ranged from 3.0 to 28.3. Modeled concentrations for nickel greatly exceeded the screening criterion in 10 separate modeled events. The calculation of acute risk ratios greater than one demonstrates that the potential for acute effects exists. However, the severity of the impact cannot be determined by this method.

Results from the human health risk assessment and acute evaluation were compared to the target risk levels defined in the Tri-State Geographic Initiative *Risk Management Plan* (TGI 1997d). As defined in the TGI *Risk Management Plan*, further action will be proposed if any of the following is true:

- Chronic noncarcinogenic risks are found for any individual pollutant in excess of a hazard quotient of 1.
- Chronic carcinogenic risks are found for any individual pollutant in excess of a risk level of 1E-06 (or 1 in 1,000,000)
- Any chemicals are found to exceed their literature-derived acute screening value

All three of the target risk levels were exceeded by various chemicals evaluated in this chronic quantitative human health risk assessment and in the acute human health screening evaluation indicating that a potential for adverse human health effects exists.

1.0 INTRODUCTION

In 1991, Kentucky, West Virginia, Ohio and the United States Environmental Protection Agency (USEPA) Regions 3, 4, and 5 formed a partnership to study the 2,300 square mile area where the three states converge. The mission of the partnership was to ascertain the environmental status in this Tri-State area and to develop and implement a plan to respond to any problems identified with existing authorities. The partners called this mission the Tri-State Multi-Media Geographic Initiative (now known as The Tri-State Geographic Initiative or TGI) (TGI 1997a).

During project planning, air quality emerged as the top priority. The Initiative's Technical Steering Committee established the Air Toxics Project. Study of the Tristate area's air quality was conceived to consist of three components: air monitoring, air dispersion modeling, and assessment of the risks associated with any pollutants found during the monitoring and modeling (TGI 1997a).

The TGI Air Toxics Project is being conducted in several phases due to the extensive size of the study area, the available resources, and the need to provide adequate monitor coverage for each individual area. Six industrial "clusters" have been identified based on the spatial distribution of industries within the project area. As discussed in the Tri-State Geographic Initiative *Air Toxics Project- Work Plan*s (TGI 1997a, b, and c), the six clusters were prioritized based on the results of a preliminary risk screening effort. During this effort, the Kenova Industrial Cluster was identified as the cluster of greatest concern for potential risks resulting from air exposures. Therefore, the initial evaluations have focused on the Kenova Industrial Cluster.

This report presents the results of the chronic human health risk assessment and acute effects evaluation performed using the air modeling data developed for the Kenova Industrial Cluster based on industrial emissions from July 1996 through June 1997. The air modeling risk assessment focuses on direct exposure to airborne contaminants through the inhalation pathway.

1.1 REPORT ORGANIZATION

The Tristate Kenova Industrial Cluster Air Modeling Risk Assessment Report is organized into five chapters. This Introduction is Chapter 1.0. Chapter 2.0, Background Information, presents an overview of the study area describes the modeling effort on which this risk assessment is based. Chapter 3.0, Chronic Human Health Risk Assessment, presents the results of the quantitative human health risk assessment. Chapter 4.0, Human Health Acute Effects Evaluation, presents the results of the screening-level evaluation of potential acute health effects from short term exposure to airborne contaminants. References are summarized in Chapter 5.0.

1.2 STUDY AREA DESCRIPTION

The Tri-State area encompasses six counties in the Ohio River valley, specifically, Greenup and Boyd counties in Kentucky; Lawrence and Scioto counties in Ohio, and Wayne and Cabell counties in West Virginia. Six industrial clusters exist in the Tri-State area; these are the Portsmouth, Greenup, Ironton, South Point, Kenova and Huntington Clusters. Figure 1-1 depicts the six industrial clusters. This report presents the results for the Kenova Industrial Cluster.

Concurrent with modeling, monitoring stations for the Kenova Industrial Cluster were selected by preliminary modeling which focused on finding areas of highest predicted exposure (TGI 1997a). Monitoring stations were also considered for areas that historically had generated large numbers of citizen complaints. Results from the Tri-State Kenova Industrial Cluster air monitoring risk assessment will be compared to these modeled results in a subsequent report.

1.3 GOALS AND OBJECTIVES

The objective of this phase of the Tri-State Geographic Initiative is to provide a quantitative estimate of risks to human receptors based on modeled results of ambient air concentrations through direct exposure to target air pollutants. A further objective of this phase is to qualitatively evaluate potential acute risks to human health based on modeled results of one-hour

or 24-hour average chemical concentrations in the air.

The goal of the risk assessment is to provide information on risk that the Federal, State, and local governments and other stakeholders can utilize in sound decision-making.

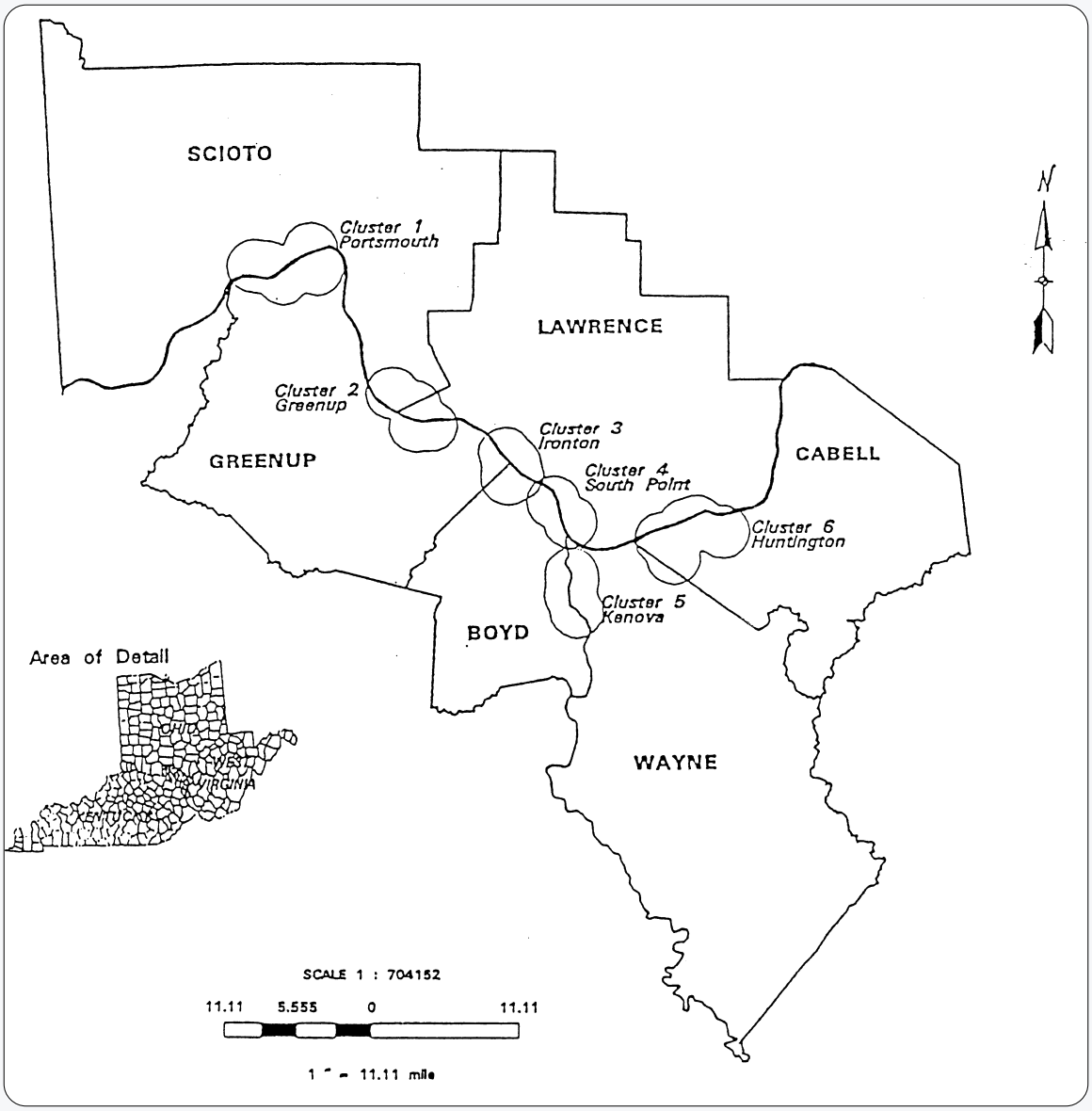


FIGURE 1-1
TRI-STATE STUDY AREA
Tri-State Geographic Initiative

Scale 1" = 11.11 mi.

Source: Tri-State Geographic Initiative — Air Toxics Monitoring Plan (TGI 1996)

2.0 BACKGROUND INFORMATION

2.1 GENERAL GEOGRAPHIC DESCRIPTION

The Tri-State study area is located where the states of Kentucky, Ohio, and West Virginia meet. It comprises the Kentucky counties of Boyd and Greenup; the Ohio counties of Scioto and Lawrence; and the West Virginia counties of Wayne and Cabell. The area is located at the confluence of the Ohio and Big Sandy Rivers with a typical river valley topography that strongly influences the meteorology of the area. Generally calm wind conditions limit the distribution and dilution of pollutants in the atmosphere (TGI 1997a).

2.2 PREVIOUS INVESTIGATIONS

Ambient air has been identified as a medium of concern in the TGI study area by state and federal agencies, and by local citizens (TGI 1997c). Concerns over air quality have arisen because of the significant number of industrial accidents involving air releases of hazardous air pollutants, the meteorology of the area, the amount of air emissions reported to the Toxic Release Inventory (TRI) by Tri-State area industries relative to emissions to other media, and number and frequency of air quality-related complaints by the citizens of the area. Tri-State area citizens have expressed more concern about air pollution than about other environmental issues. Between 1983 and 1988, regulatory agencies received more than 800 air-related complaints from citizens in the Tri-State area (TGI 1997a).

Previous investigations into air quality concerns have included an epidemiological study (USEPA Region 4 1992), a survey of citizen's air quality-related concerns (USEPA 1989c), and an air quality study that focused on historic air monitoring data (USEPA 1990c). Results from these studies indicated that air emissions from a variety of sources have occurred in the Tri-State area over many years and that health-related effects may have resulted from exposure to the air emissions in the Tri-State area.

2.3 LAND USE

Population and industry in the study area are concentrated in two river valleys: the Lower Ohio River Valley and the Big Sandy River Valley. High intensity development such as heavy industry is approximately 11% of the Lower Ohio River valley while high intensity development is approximately 1% in the Big Sandy River valley. A number of heavy industries are located within the study area, and generally within the river valleys. Many of these industries date back prior to World War II. These industries are predominately metallurgical or petrochemical in nature (TGI 1997a).

Low intensity development, which includes single-family home residential land use, comprises 16% of the Lower Ohio River valley and 2% of the Big Sandy River valley. The percentage of agricultural land uses in the Kenova Industrial Cluster ranges from 4 to 17%. Natural landscapes include wetland and forested areas. Approximately 6% of the Lower Ohio River valley is wetland while only approximately 2% of the Big Sandy River valley is wetland. Forested areas comprise approximately 5% of the Lower Ohio River valley and approximately 77% of the Big Sandy River valley (TGI 1997 a).

The major population centers within the TGI study area are Ashland, KY; Huntington, WV; and Ironton, OH. Other towns of significant interest to the study include Catlettsburg, KY; Kenova and Ceredo, WV; and South Point, OH (TGI 1997a).

2.4 KENOVA INDUSTRIAL CLUSTER AIR MODELING

A contractor to the U.S. Environmental Protection Agency, Region 5 (USEPA Region 5, 2000) conducted refined meteorological and non-steady-state air quality dispersion modeling on behalf of Tri-State Geographic Initiative. The purpose of the modeling was to evaluate the air quality impacts of toxic air pollutants from the Kenova Industrial Cluster. Emissions from four facilities, the Ashland Petroleum Company, the Ashland Chemical Company, the Aristech Chemical Company, and the Calgon Carbon Corporation were considered in the modeling. The

list of chemicals to be modeled was based on the facilities' Toxic Release Inventory reports, which the Initiative confirmed during meetings with the industries. All of the chemicals in the facilities' air emissions were modeled, except any USEPA "criteria pollutants" (ozone, carbon monoxide, nitrogen oxides, sulfur dioxide, particulate matter, and lead). The criteria pollutants are already monitored and regulated by the USEPA and the States.

The modeling ran the California Puff air model (CALPUFF) for a full year period using the appropriate California Meteorological model (CALMET) inputs for the four sources in the Kenova Industrial Cluster (USEPA Region 5, 2000). Input values to the model were derived from emissions data provided by the four facilities listed above for the time period July 1996 through June 1997. There were three distinct tasks to the modeling:

1.) TASK 1 used the maximum emission rate for each source at each facility throughout the year. However, for Ashland Petroleum, the maximum emission rate was not available. Therefore, the typical daily emission rate for each chemical was used for each source at this facility.

2.) TASK 2 used variable daily emissions (when available) for each source at each facility over ten distinct short-term episode periods.

3.) TASK 3 used variable daily emissions (when available) for each source at each facility for the entire modeling period, i.e. a whole year.

The modeling domain for this project extended from the Big Sandy River Valley along the eastern boundary of Boyd County, KY and the western boundary of Wayne County, WV, to the confluence of the Big Sandy River and the Ohio River. To the south, the modeling domain included the towns of Lockwood, KY and Cyrus, WV. The town of Kenova, WV, and the residential areas within this river valley were included in the domain (USEPA Region 5, 2000).

The latest versions of the CALMET meteorological preprocessor (version 5.0, level 990228), and

the CALPUFF (version 5.0, level 990228a) non- steady state model (Scire et al 1998a, b) were used for the modeling analysis. CALMET is a diagnostic meteorological model that produces three-dimensional wind fields based on parameterized treatments of terrain effects such as slope flows, terrain blocking effects, and kinematic effects. Meteorological observations were used to determine the wind fields in areas where the observations are representative. Hourly meteorological observations from surface stations and upper air stations were used by CALMET to define the initial wind field estimates. The initial winds were modified to account for the fine scale terrain effects (250m resolution).

CALPUFF is a non-steady-state puff dispersion model. As used in the Tri-State Air Modeling Report, it accounts for spatial changes in the CALMET-produced meteorological fields, variability in surface conditions (elevation, surface roughness, vegetation type, etc.) and terrain influences on plume interaction with the surface. Meteorological and dispersion modeling simulations were conducted over a full year period, July 1996 through June 1997. Annual average and hourly maximum concentrations of 35 toxic species from the four facilities were predicted by the model at 4022 receptors over the Kenova Industrial Cluster and surrounding regions (USEPA Region 5, 2000).

The Kenova Industrial Cluster Air Modeling report outlines the techniques and data sources used in the modeling analysis (USEPA Region 5, 2000). The remainder of Section 2.4 provides a summary of the techniques used in this modeling effort relevant to the use of the modeling data in the air modeling risk assessment.

2.4.1 Study Area Characterization and Meteorological Data

2.4.1.1 Study Area Characterization

Gridded terrain elevations for the modeling domain were derived from 7.5 minute digital elevation models (DEMs) produced by the United States Geological Survey (USGS).

The CALMET computational domain extended 25 km and 20 km in the longitudinal and meridional directions, respectively. There were no major topographical features in the area that affect the wind flow, but the four facilities of the Kenova Industrial Cluster lie within a valley which was subject to channeling effects.

A resolution of 250 m in the horizontal was used to represent the variations of the terrain elevations over the modeling domain. A 250 m resolution produced a workable number of grid cells (80 x 100), but also allowed adequate representation of the important terrain features, which was critical for the modeling. The terrain produced important blocking effects and slope flows which affect the trajectories of plumes in the area.

The CALPUFF computational domain was the same as the CALMET domain. The domain extended well beyond the boundaries of the facilities in order to provide an adequate buffer zone at the boundaries and to allow the effects of flow curvature and possible small-scale re-circulation to be evaluated. Land use was also incorporated into the modeling results (USEPA Region 5, 2000).

2.4.1.2 Meteorological Data

Meteorological data were obtained from three local surface meteorological stations, one national weather service (NWS) surface station and three NWS upper air stations. However, the wind fields in the modeling domain were complex and highly variable. Depending on the location, some of the observations were only representative of a small area. The local terrain had a strong influence on the local flow. Therefore, much of the structure in the wind fields was determined by CALMET using its diagnostic wind field module, rather than being driven by observations. (USEPA Region 5, 2000)

2.4.2 <u>Description of Modeling</u>

The Kenova Industrial Cluster consisted of four facilities: The Ashland Petroleum Company (APC), The Ashland Chemical Company (ACC), The Aristech Chemical Company (ARI), and The Calgon Carbon Corporation (CCC). Among the four facilities there were a total of 116 point sources, 88 area sources and 1 volume source. Ashland Petroleum is responsible for 89 point sources and 82 area sources, with the remaining sources split roughly between the other 3 facilities. These source areas represented the chemical data input into the modeling (USEPA Region 5, 2000).

2.4.3 Receptors

The size of the sampling domain was defined as 10 km in the east-west direction and 15 km in the north-south direction, and was smaller than the computational grid by 5 km in all directions. The sampling domain was bounded by the following Universal Transverse Mercator (UTM) coordinates in km:

(356.0, 4239.0)	Southwest corner
(356.0, 4254.0)	Northwest corner
(366.0, 4254.0)	Northeast corner
(366.0, 4239.0)	Southeast corner

A total of 4022 discrete receptors were modeled within the sampling domain consisting of the following:

1.) Discrete receptors placed at approximately 100 meter intervals along the property boundaries of the APC, ACC and CCC facilities, and four receptors placed at the corners of the assumed property boundary of the ARI facility.

2.) Discrete Cartesian grid receptors placed at 100 meter intervals within a 4 km x 8 km area surrounding the facilities and extending at least 1 km beyond the modeled source locations in all directions. In other words, if each source was encircled with a circle 1 km in diameter, this circle would be entirely included in the

modeling grid with the 100 meter interval spacing between gridded receptors. The receptors in this grid that were on the property of any of the four modeled facilities were removed from the analysis.

3.) Discrete Cartesian grid receptors placed at 250 meter intervals extending 1 km beyond the 100 m Cartesian grid.

4.) Discrete Cartesian grid receptors placed at 500 meter intervals extending 1.5-3 km beyond the 250 m Cartesian grid. The outer edge of the 500 meter Cartesian grid defined the 10 km x 15 km extent of the sampling grid.

5.) Special receptors placed at schools, hospitals, nursing homes and day care centers located within the 20 km x 25 km computational grid. The names and locations of the special receptors were provided by the Kentucky DEP and West Virginia DEP.

6.) Discrete receptors were placed at the locations of six of the Tri-State Geographic Initiative air monitoring locations. The six monitoring stations have been assigned the following station names: Kenova Fire Station, Corn Field, Sweet Run, Centennial Drive, Lockwood Estates and the Kenova Water Plant. A special receptor point was not located at the Webbville monitoring station, as this station was located several miles outside of the modeling grid.

Figure 2-1 presents all the receptor grids over the entire modeling grid. Figure 2-2 presents the property boundary receptors and source locations for all the facilities. Figure 2-3 presents the locations and identification numbers of all the special receptors and monitoring locations. Figures 2-4 and 2-5 present the geographic and political features, respectively, present in the TGI Kenova Industrial Cluster modeling grid area. Table 2-1 identifies the labeled numbers shown in Figure 2-3 with the name by which the special receptor/monitoring location is known.

2.4.4 Modeling Results

The CALPUFF modeling system produced ambient concentrations for the three Tasks considered (USEPA Region 5, 2000).

2.4.4.1 TASK 1

TASK 1 results included two values: the maximum one-hour ambient concentrations and the annual average concentration for each modeled chemical at each receptor location based on maximum emission rates provided by each industry. These data were considered to represent the situation of continuous maximum emissions. However, for Ashland Petroleum, no maximum emission rate was available. Therefore, the typical daily emission rate for each chemical was used for each source at this facility for Task 1 modeling.

2.4.4.2 TASK 2 - Episode Modeling

Ten one day episodes were selected for detailed investigation as part of the Kenova Air Modeling Project (USEPA Region 5, 2000). These episodes were selected based on several criteria including: days with elevated carcinogenic constituents particularly benzene and chromium, detected at air monitoring stations, days with an unusual number of citizen complaints, days with releases reported by local facilities, or days identified by inspection reports with unusual or unexplained events. The episodes were selected to accommodate as many of these days as possible. Based on the limitations established by the air modeling contract and its supporting data, 10 episodes were identified varying between 48 hours and seven days in length. More information on each episode is provided in USEPA Region 5 (2000).
A summary of information used to select the dates for each episode is provided below.

Episode 1 - August 27-28, 1996

- August 27 - Elevated reading detected at 6 of the air monitoring locations

- August 27 - Multiple odor and dust complaints

Episode 2 - September 5-9, 1996

- September 6 - White fallout reported in Sweet Run, WV
- September 8 - Malfunction at Ashland Petroleum releasing 2,860 lbs. of benzene at 5:00 p.m.

Episode 3 - November 13-19, 1996

- November 13 - Triggered air monitor activated
- November 13 - Risk evaluation indicated date of elevated constituents detected at air monitoring stations
- November 19 -Risk evaluation indicated date of elevated constituents detected at air monitoring stations

Episode 4 - December 12-17, 1996

- December 13 - Elevated readings detected at 7 of the air monitoring locations
- December 13 -Risk evaluation indicated date of elevated constituents detected at air monitoring stations
- December 13 -14 - Complaint submitted of eye-irritation on Interstate-64
- December 17 - Small fire at Ashland Petroleum MEK unit pump

Episode 5 - January 23-28, 1997

- January 23 - Expected shutdown of #1 SCOT unit at Ashland Petroleum; SO2 release anticipated at start up. Ashland Petroleum also reported that over 1,000 lbs. MTBE was released between 9:00 - 10:00 a.m.
- January 25-27 - Malfunction at Ashland Petroleum

Episode 6 - February 6-11, 1997

- February 8 - Triggered air monitor activated
- February 8 -Risk evaluation indicated date of elevated constituents detected at air monitoring stations
- February 11 - Elevated readings detected at 1 of the air monitoring locations

Episode 7 - February 26-28, 1997

- February 26-27 - Shutdown of Ashland Petroleum's #1 SRU and the #1 SCOT resulting in excess emissions.

Episode 8 - April 16-22, 1997

- April 14-22 - Startup of Ashland Petroleum's #1 SRU and the #1 SCOT resulting in excess emissions.
- April 20 - Elevated readings detected by the mobile laboratory
- April 20 -Risk evaluation indicated date of elevated constituents detected at air monitoring stations
- April 22 - Elevated readings detected by the mobile laboratory

Episode 9 - June 5-7, 1997

- June 6 - Explosion and fire at Ashland Petroleum

Episode 10 - June 22-26, 1997

- June 23 - Elevated readings detected by four air monitoring stations
- June 25 - Malfunction at Ashland Petroleum resulting in a release of butane

For each of the 10 one-day episodes, modeled results included the maximum one hour concentration of each chemical at each receptor location, and the maximum 24-hour average concentration for each chemical at each receptor location.

2.4.4.3 TASK 3 Modeling Results

TASK 3 results differed from TASK 1 results by the incorporation of variable facility release data into the modeling. Of the 35 pollutant species modeled, Ashland Petroleum emitted 33 of the 35 pollutants, Ashland Chemical emitted three pollutants, Aristech Chemical emitted one pollutant and Calgon Carbon Company emitted two pollutants (USEPA Region 5, 2000).

Three of the four facilities, Ashland Chemical, Calgon Carbon Company and Aristech Chemical provided daily emissions data for the modeling period 15 July 1996 to 14 July 1997. While Ashland Petroleum provided a listing of events depicting any major deviations from their routine operations. Of the 33 pollutants released by Ashland Petroleum only 12 of the pollutants show some variability in their emissions rates, namely: benzene, methyl tertiary butyl ether, hydrogen sulfide, ethylene, propylene, n-hexane, toluene, ethylbenzene, xylene, 1,2,4-trimethylbenzene, naphthalene and biphenyl. In the case of Ashland Chemical, Calgon Carbon Company and Aristech Chemical, the daily emissions throughout the entire modeling period were highly variable and did not conform to any cyclical pattern (USEPA Region 5, 2000).

For 19 of the 35 pollutants emitted in this application, namely: 1,1,1-trichloroethane, ammonia, calcium oxides, carbon tetrachloride, chlorine, chrysene, cumene, cyclohexane, dichloromethane, furfural, hydrogen fluoride, methanol, nonane, styrene, antimony, arsenic, manganese, nickel, titanium dioxide, the results were similar to TASK 1 modeling results as the emissions rates used in the modeling were identical. For these pollutants, the emissions throughout the year were assumed constant. All of these pollutants mentioned above are from Ashland Petroleum. Small differences between TASK 1 and TASK 3 modeling results were detected for the following pollutants: benzene, methyl tertiary butyl ether, hydrogen sulfide, ethylene, n-hexane, toluene, ethylbenzene, 1,2,4-trimethylbenzene, naphthalene and biphenyl. Significant differences were detected for anthracene, hydrogen chloride, propylene, acrylic acid, maleic anhydride and xylene. These pollutants were characterized by widely varying daily emission rates throughout the modeling period while the emissions of the formerly listed pollutants only deviated from routine operations by a singular event (USEPA Region 5, 2000).

Task 3 results included two values: the maximum one hour ambient concentration and the annual average concentration for each chemical at each receptor location based on variable emission rates provided by each industry.

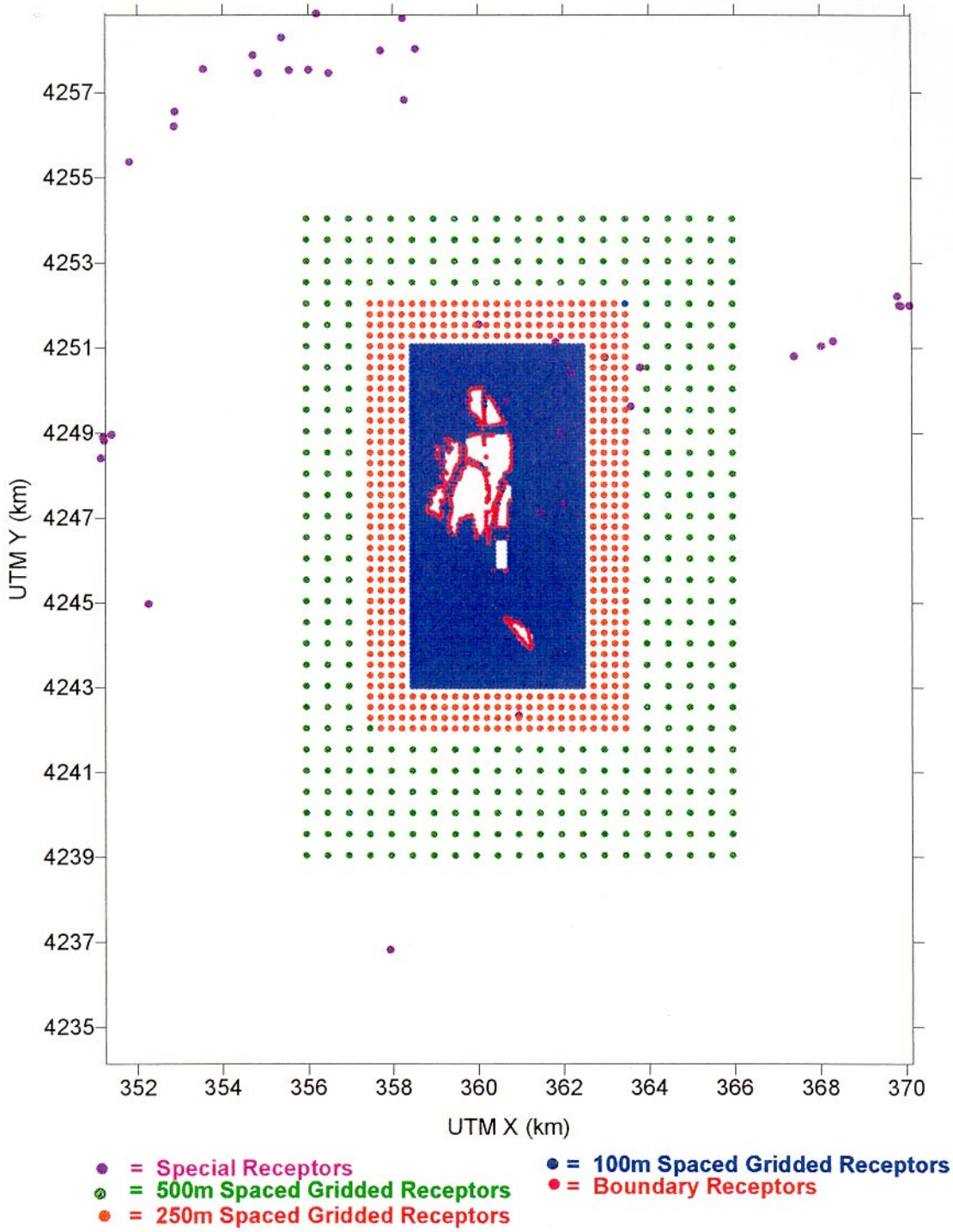


FIGURE 2-1
Property Boundary, Cartesian Grid and Special Receptor Locations

Source: USEPA (2000) Application of CALMET and CALPUFF to Assess Toxic Emission from the Kenova Industrial Cluster Facilities Conducted in Support of the Tri-State Geographic Initiative. USEPA Region 5

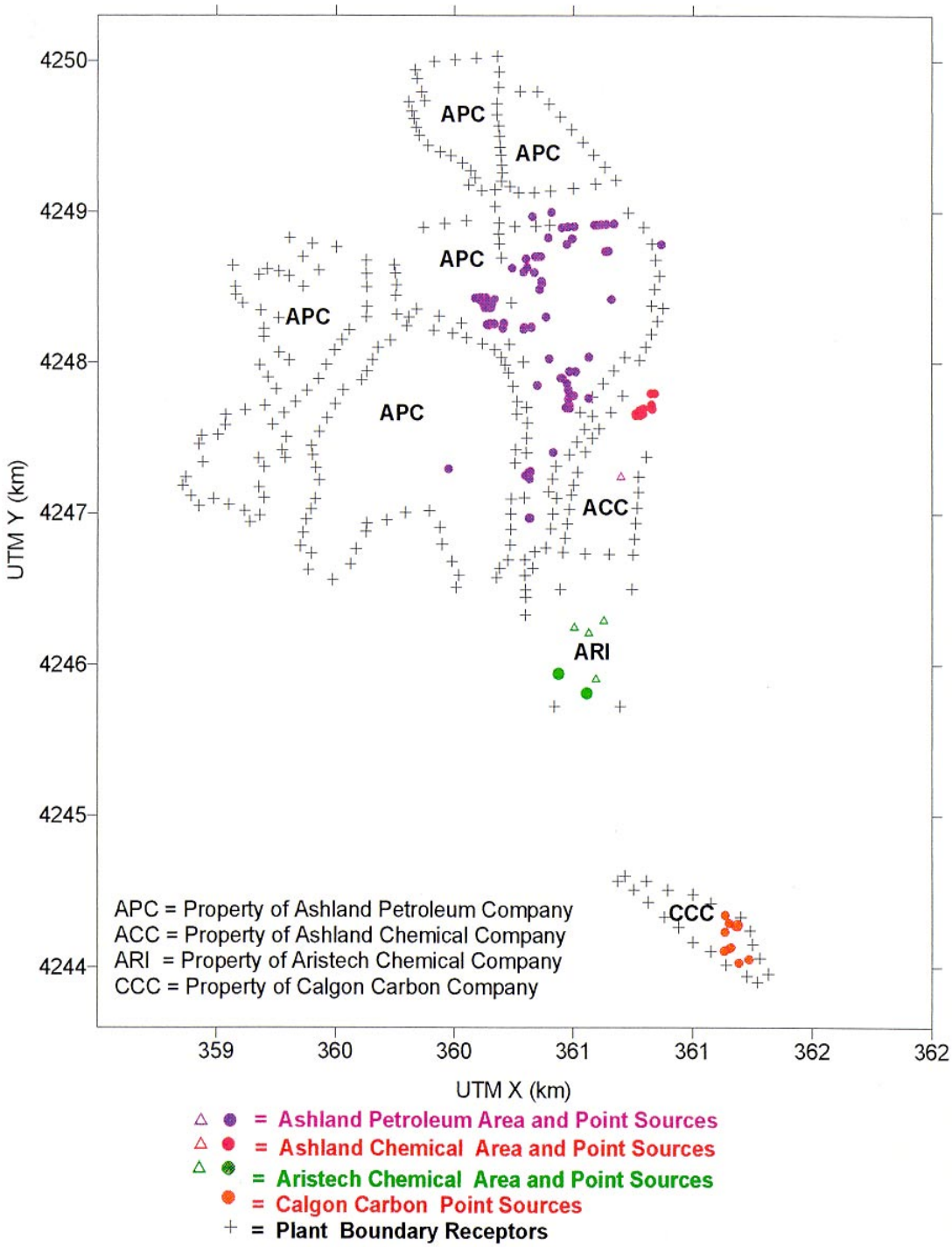


FIGURE 2-2
Industrial Facility Boundary Receptor Locations and Locations of Sources

Source: USEPA (2000) Application of CALMET and CALPUFF to Assess Toxic Emission from the Kenova Industrial Cluster Facilities Conducted in Support of the Tri-State Geographic Initiative. USEPA Region 5

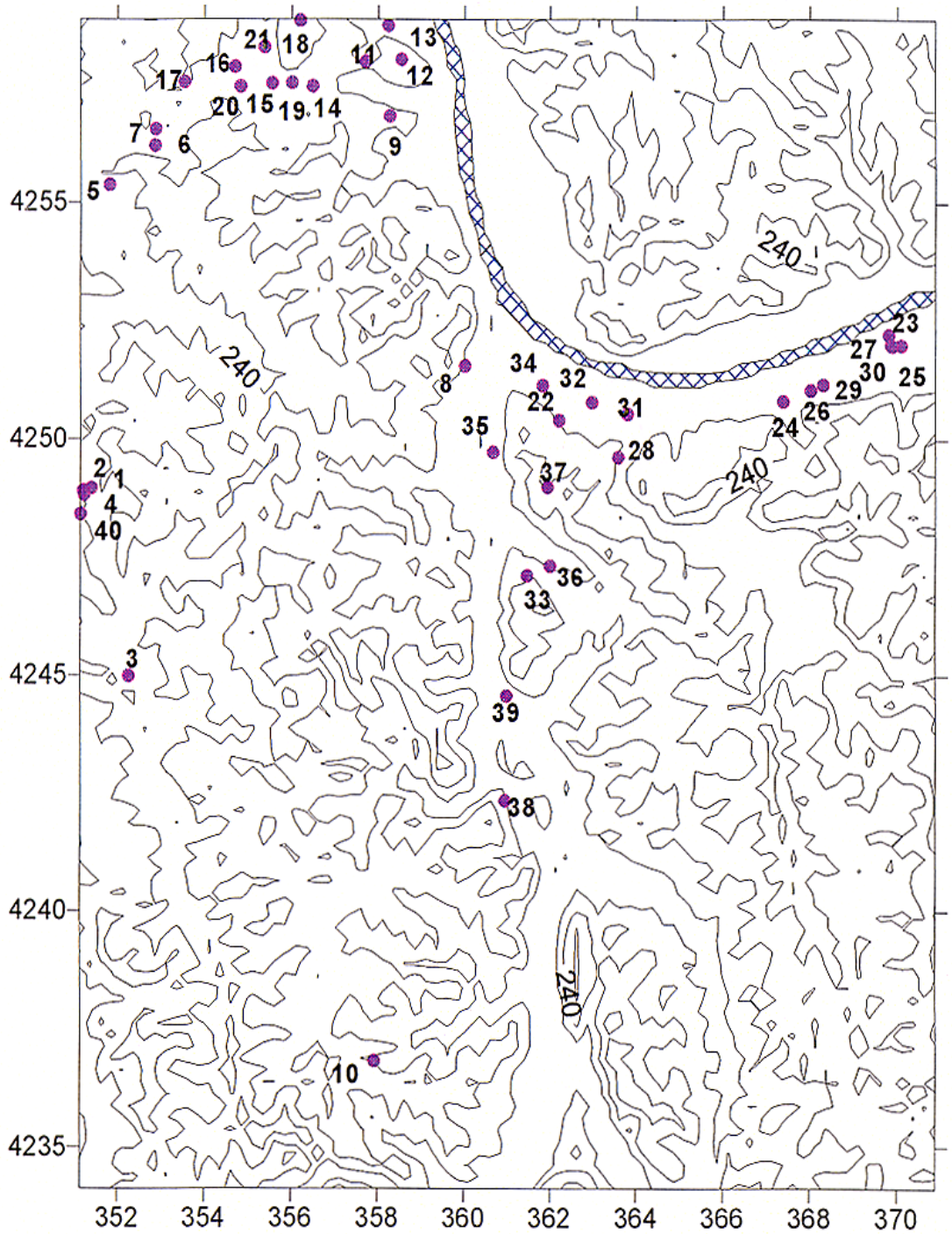


FIGURE 2-3
Locations of Special Receptors Including Air Monitoring Sites

Source: USEPA (2000) Application of CALMET and CALPUFF to Assess Toxic Emission from the Kenova Industrial Cluster Facilities Conducted in Support of the Tri-State Geographic Initiative. USEPA Region 5

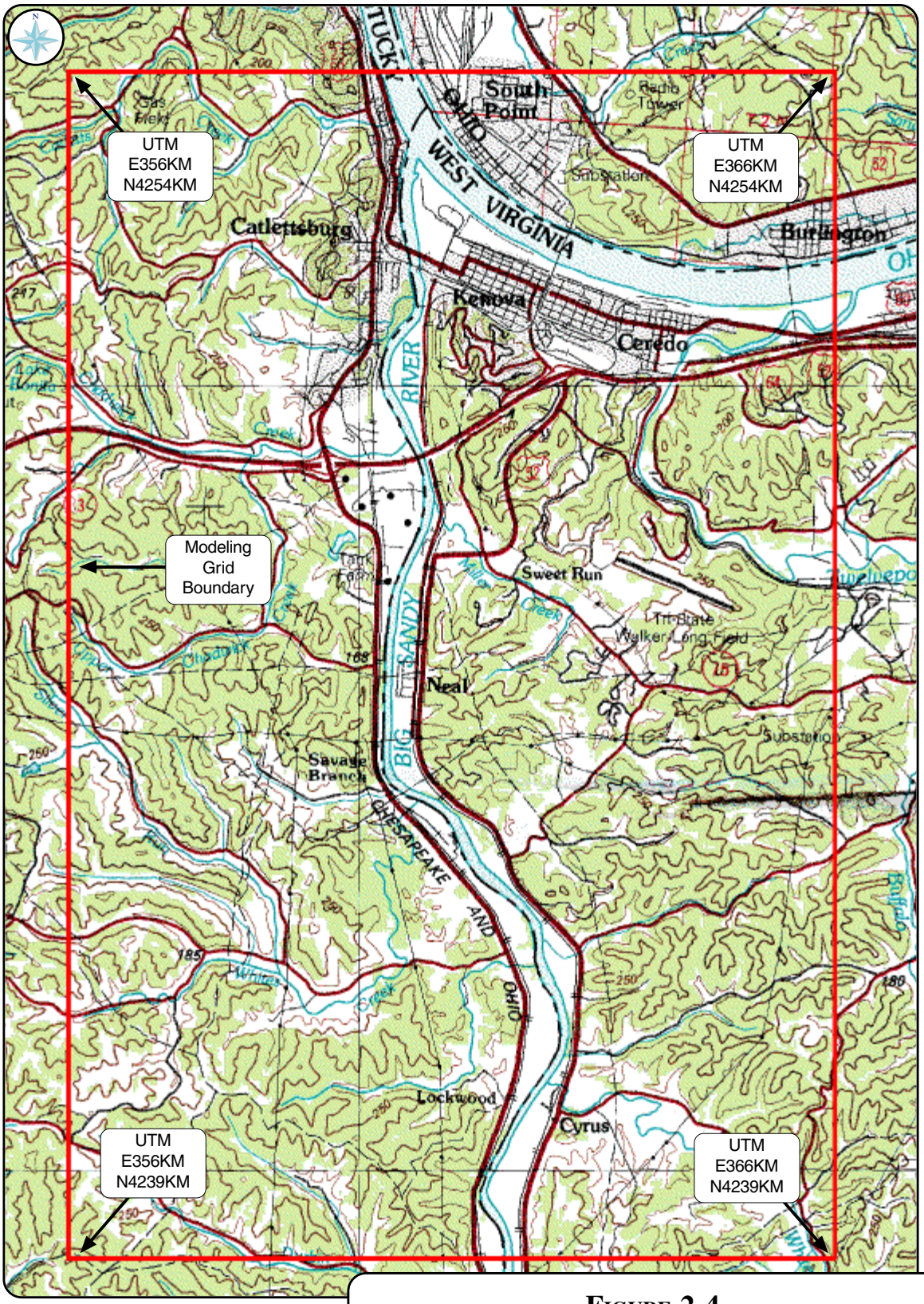
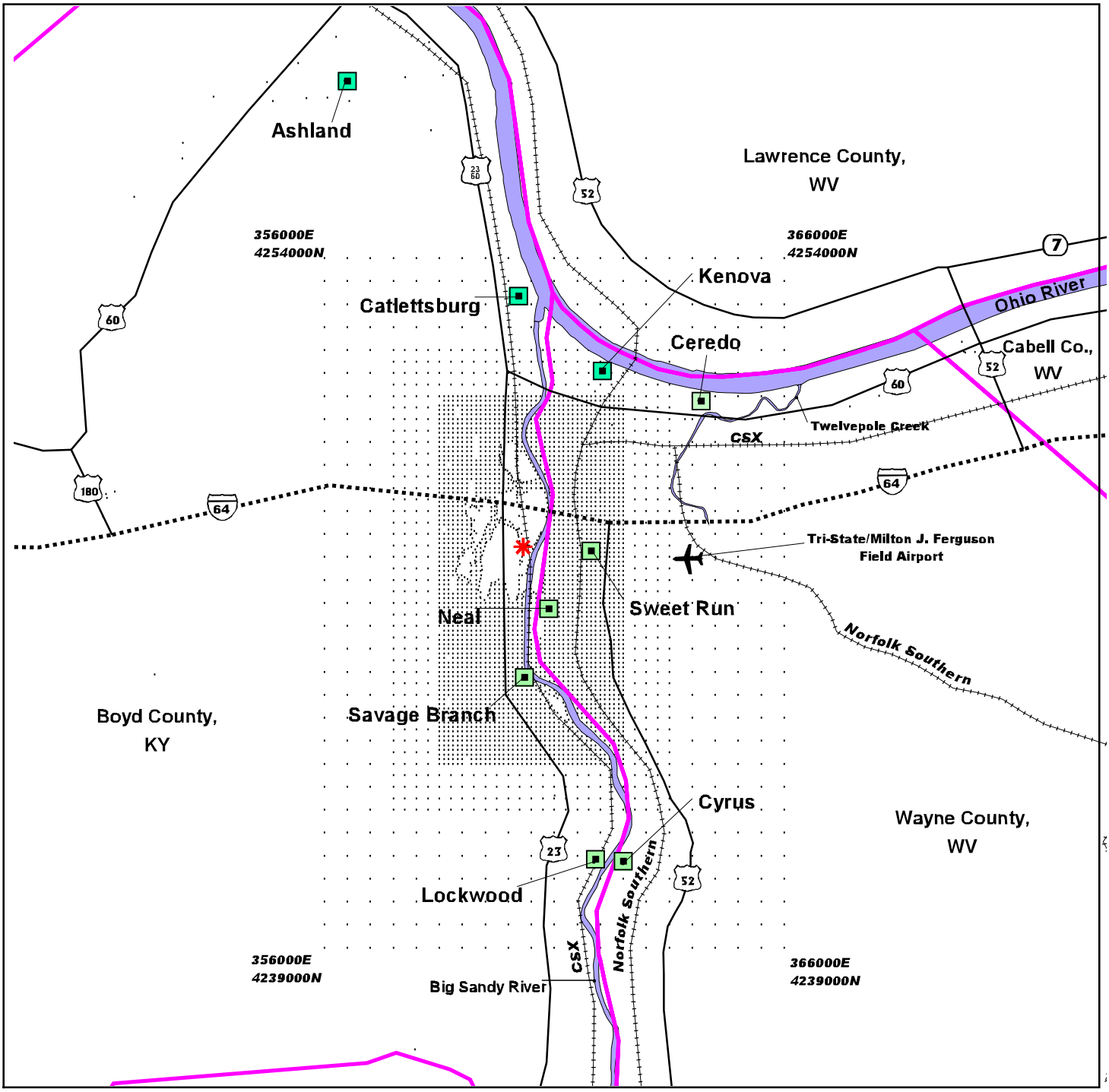


FIGURE 2-4

Geographic Features of the Modeling Grid Area for the Kenova Industrial Cluster, WV, KY, OH

Scale: 1:133,333



Political Boundaries
Limited Access Highways
Principal Highways
Railroads
UTM Coordinate 360302E, 4247704N

N
W
E
S

Scale = 1:125,000

4 0 4 Miles

Figure 2-5
Political Features of Modeling Grid Area for the Kenova Industrial Cluster

Figure 2-5
Prepared by: Gannett Fleming, Inc.

3.0 CHRONIC HUMAN HEALTH RISK ASSESSMENT

3.1 INTRODUCTION

The risk assessment consists of five major components:

- Data Evaluation
- Exposure Assessment
- Toxicity Assessment
- Risk Characterization
- Uncertainty Analysis

Data usability, data quality and selection of contaminants of potential concern (COPC) are discussed in Section 3.2, Data Evaluation. Section 3.3, Exposure Assessment, identifies potential receptor populations and exposure pathways by which receptors may come in contact with contaminants at the location. Equations and exposure input parameters used to estimate chemical intakes are also provided in this section. Section 3.4, Toxicity Assessment, presents the chemical-specific toxicity criteria for the identified COPCs which are used to quantify potential human risks. Section 3.5, Risk Characterization, provides the calculated noncarcinogenic and carcinogenic risks for each receptor. Total risks are also summarized by receptor where relevant. A brief discussion of uncertainties is presented in Section 3.6. A discussion of other aspects evaluated in the risk assessment is presented in Section 3.7.

The majority of the tables included in this section are analogous to the standard tables required by the recent Risk Assessment Guidance for Superfund: Part D (RAGS Part D) (USEPA 1998). Data fields included in the tables presented in this risk assessment include the majority of data fields specified in the RAGS Part D guidance. This risk assessment report is structured as described in RAGS Part D.

3.1.1 <u>Objectives</u>

The objective of the human health risk assessment of the Tri-State Geographic Initiative Air Toxics program is to provide a quantitative estimate of risk posed to humans through the inhalation exposure route of modeled concentrations of air pollutants.

3.1.2 Methodology

To assess potential public health risks, three major aspects of chemical contamination and exposure must be considered: 1) The presence of chemicals with toxic characteristics; 2) The existence of pathways by which human receptors may contact site-related chemicals; and 3) The presence of human receptors. The absence of any of these three aspects would result in an incomplete exposure pathway and an absence of quantifiable risk (USEPA 1989a).

An overview of the media, pathways and receptors to be evaluated in this risk assessment is provided in Table 3.1-1. Subsequent sections will provide justification and additional detail for each data element presented in this table.

The Human Health Risk Assessment (HHRA) was performed following guidelines specified in the following documents:

- *Risk Assessment Guidance for Superfund*, Volumes I and II, Part A (USEPA 1989a)
- *Office of Solid Waste and Emergency Response Directive 9355.7-04 Memorandum* (USEPA 1995)
- *Standard Default Exposure Factors* (USEPA 1991b)
- *Exposure Factors Handbook* (USEPA 1997b)
- *Supplemental Guidance to RAGS: Calculating the Concentration Term* (USEPA 1992a)

- *A Descriptive Guide to Risk Assessment Methodologies for Toxic Air Pollutants* (USEPA 1993)

- *Exposure Assessment Guidance for RCRA Hazardous Waste Combustion Facilities (USEPA 1994)*

In addition, two project specific work plans were developed in support of this risk assessment. The TGI Air Risk Assessment Work Plan (TGI 1997c) was developed to provide general guidance to be used when developing the Cluster-specific risk assessment risk assessments. A project specific work plan, the *Tri-State Geographic Initiative Air Risk Assessment Implementation Plan* (USEPA Region 3, 1997) was developed specifically for the Kenova Industrial Cluster air risk assessment project.

3.2 DATA EVALUATION

The goal of the data evaluation step of a human health risk assessment is to develop a list of COPCs for each environmental medium under consideration. This process involves determining what data are present, determining if the existing data is of suitable quality and quantity to include in a risk assessment, developing a list of screening criteria by which chemicals not anticipated to contribute significantly to the risk assessment may be eliminated, and finally developing a list of medium specific COPCs (USEPA 1989a).

3.2.1 Data Usability

The data used in this risk assessment was developed during Task 1 and Task 3 of the Air Modeling program for the Kenova Industrial Cluster (USEPA Region 5, 2000). Task 1 and Task 3 generated annual average air concentrations of 35 chemicals over a modeling grid consisting of 4022 receptor locations. The modeling results on which this risk assessment is based was subject to peer review, and therefore, is considered to be of suitable quality for inclusion in a quantitative risk assessment.

Data generated for the Episodic events is of too short a duration to be used in this chronic risk assessment. Task 2 results consisted of one hour maximum concentrations and maximum 24

hour average concentrations for each chemical for 10 one-day periods. These data are used in the acute risk evaluation presented in Chapter 4.

3.2.2 Data Description

The data generated for the modeling portion of this project is voluminous, consisting of modeled results of concentration for 35 chemicals at 4022 locations for Task 1 and Task 3. These data are available electronically in Appendix A. (Note to reviewers: These data will be identical to the data included on the CD for the Air Modeling report. This CD will be reproduced and included in the Final TGI Kenova Industrial Cluster Air Modeling Risk Assessment Report).

3.2.3 Selection of Chemicals of Potential Concern

USEPA guidance (USEPA 1989a) recommends focusing the risk assessment by quantifying risk only for a select list of chemicals of potential concern (COPCs) in an area of concern. These chemicals, which are a subset of all evaluated chemicals in a given medium, are defined as those chemicals likely to drive the overall potential risks for an area of concern.

For the purposes of this risk assessment, COPCs are limited to those chemicals that exceed a selected risk-based screening criterion. USEPA Region 3 has developed a database of risk-based concentrations (RBCs) for the inhalation pathway. For chemicals present in air, the Region 3 RBCs were used as screening values where available. An on-line version of this database (as of April 2000) was consulted to obtain screening values (USEPA Region 3, 2000).

COPC screening was performed for Task 1 data and Task 3 data separately. The goal of the screening was to determine whether the maximum concentration of a chemical from any of the 4022 receptor locations exceeded its respective RBC screening value. If the maximum concentration exceeded the RBC screening value, that chemical was retained for quantitative risk analysis. Screening was performed at a carcinogenic risk level of 1E-6 and a hazard quotient level for noncarcinogens of 0.1 (USEPA Region 4, 1995; USEPA Region 3, 1997).

Region 3 RBCs have not been developed for all chemicals. If no RBC was available for a chemical, that chemical was not included as a COPC for the quantitative risk assessment unless published toxicity values were available in EPA's Integrated Risk Information System (IRIS) (USEPA 2000a), EPA's Health Effects Assessment Summary Tables (HEAST) (USEPA 1997a), or in EPA's National Center For Environmental Assessment (NCEA) lists of provisional toxicity values. One chemical, acrylic acid, lacked a Region 3 RBC. However, IRIS presents both an oral RfD and an inhalation RfC. Therefore, acrylic acid was retained as a COPC for the quantitative risk assessment. Risks from exposure to chemicals lacking RBCs and toxicity values are discussed qualitatively in the uncertainty section. Chemicals in this study for which lack both RBCs and published toxicity values include: calcium oxides, cyclohexane, ethylene, hydrogen fluoride, nonane, and propylene.

Screening of chlorine was conducted using the RBC presented in the EPA Region 3 RBC table dated April, 2000. This RBC was developed based on an EPA-NCEA provisional inhalation RfD (or RfDi) for chlorine developed in 1999 (USEPA NCEA, 1999). Since the CALPUFF model provided ambient concentrations of chlorine and not a transformation product (e.g., hydrogen chloride), the RBC based on the RfC for chlorine was used to evaluate the impact of this chemical. The use of the RBC based on the chlorine RfC, rather than that of the transformation product hydrogen chloride, has the added benefit of being more conservative.

Nickel in the atmosphere may occur in several forms: an insoluble crystalline form and an amorphous form which may be either soluble or insoluble (Smith et. al. 2000). Nickel subsulfide is the pure insoluble crystalline form. IRIS presents a unit risk for nickel subsulfide, which Region 3 has used to develop a RBC for this material. IRIS also presents an oral RfD for amorphous forms of nickel. The ambient air RBC developed based on this value is four orders of magnitude greater than the RBC developed based on the unit risk. The RBC screening value for nickel elected for use in this risk assessment was the conservative value based on nickel as nickel subsulfide.

Based on Smith et. al. (2000), it appears that revisions to the unit risk for 1,3-butadiene are being

considered by EPA. These revisions would lower the unit risk by more than two orders of magnitude, indicating that 1,3-butadiene is less potent a carcinogen than had been previously considered. However, because no changes to the unit risk for this compound have been officially published in IRIS or included in the Region 3 RBC table (USEPA Region 3, 2000), this evaluation used the RBC value published as of April 2000 to screen this compound. Uncertainties with this procedure will be discussed in the uncertainty section.

Additional screening criteria such as frequency of detection and comparisons to background concentrations were not applied during COPC selection in this risk assessment.

Tables 3.2-1 and 3.2-2 summarize the COPC screening results for the Task 1 and Task 3 data respectively.

Final COPCs for inclusion in the quantitative risk assessment include:

Task 1	Task 3
Acrylic Acid	Acrylic Acid
Antimony	Antimony
Arsenic	Arsenic
Benzene	Benzene
1,3-Butadiene	1,3-Butadiene
Carbon Tetrachloride	Carbon Tetrachloride
Chlorine	Chlorine
Furfural	Furfural
Hydrogen Chloride	
Naphthalene	Naphthalene
Nickel	Nickel
Toluene	Toluene
1,2,4-Trimethylbenzene	1,2,4-Trimethylbenzene

3.3 EXPOSURE ASSESSMENT

The risk assessment presented in this report focuses on direct human exposure via the inhalation pathway.

The purpose of the exposure assessment is to predict the magnitude and frequency of potential human exposure to each of the compounds included in the risk assessment. In accordance with U.S. EPA guidance (USEPA 1989a), a reasonable maximum exposure (RME) scenario was performed in this risk assessment. Upper-bound estimates of exposure were used in the RME scenario to insure the protection of human health. Also, in accordance with USEPA guidance, average exposures were quantified in this assessment. This central tendency (CT) evaluation is presented to provide an estimate of the risks associated with average exposures to COPCs at a location.

3.3.1 Conceptual Site Model and Potential Exposure Routes

This section discusses the conceptual site model for the TGI air risk assessment. A conceptual site model facilitates consistent and comprehensive evaluation of the potential risks to human health by creating a frame work for identifying the pathways by which human receptors may come in contact with contaminated media resulting from the source area. It depicts the relationships between the following elements, which are necessary for defining complete exposure pathways:

- Sources of contamination found in the area of concern
- COPCs in environmental media
- Contaminant release mechanisms
- Contaminant transport pathways
- Exposure mechanisms and exposure routes
- Potential receptors

The conceptual site model for this risk assessment is provided in Figure 3-1. As shown in the model, hazardous air pollutants are emitted to ambient air and transferred to human receptors such as adult or child-age residents. The primary direct exposure pathway evaluated for this medium is the inhalation pathway. Other pathways for exposure to airborne contaminants exist. An example includes the dermal contact pathway. As discussed in RAGS (USEPA 1989a), dermal absorption of vapor phase chemicals is considered to be lower than inhalation intakes in many instances and generally is not considered in exposure assessments. This risk assessment does not include an assessment of this pathway. There is potential for human exposure to hazardous air pollutants though indirect pathways such as deposition to soil followed by the incidental ingestion of soils by human receptors. Indirect pathways are not evaluated in this HHRA. This risk assessment includes an assessment of the inhalation pathway only.

3.3.2 Potential Receptors and Exposure Pathways

Potential receptors were identified for existing land use conditions. The receptors were identified by analyzing the interaction of current land use practices and identifying sources of contamination.

Current receptors included both adult and child residential receptors. Residents currently live throughout most areas of the modeled grid (Environmental Systems Research Institute, Inc. (ESRI)1998. Data and Maps CD-ROM). A residential receptor was selected for evaluation as it represents the receptor that would be expected to be most protective of human health. Table 3.1-1 summarizes the receptors evaluated in this risk assessment.

3.3.3 Quantification of Exposure

Estimates of exposure are based on the contaminants' concentrations at the exposure point and on scenario-specific assumptions and intake parameters. The models and equations used to quantify intakes are described in this section and have been obtained from a variety of USEPA

guidance documents which are cited in the specific intake estimation sections that follow.

3.3.3.1 Determination of Exposure Point Concentrations

To quantitatively evaluate the risks to exposed individuals from a selected environmental medium, concentrations of the COPCs in that medium must be determined. Modeled ambient air data for each receptor location was used as the exposure point concentration for each location individually. The data used represented annual average air concentrations of each chemical from each location. Data for Task 1 and Task 3 were evaluated separately.

The exposure point concentrations used for each chemical are presented in the digital files included in Appendix B.

3.3.3.2 Exposure Parameters and Intake Equations

In any given population, exposure is most accurately described by a distribution of intakes. A distribution arises due to, among other things, variation among individuals in exposure parameters. For example, in a group of exposed individuals, there will be a distribution of breathing rates, body weights, etc. which lead to different amounts of exposure for different people. There may also be uncertainty in the exposure distribution due to such factors as measurement inaccuracies and model errors.

To communicate this inherent variability and uncertainty, USEPA guidelines recommend that risk assessments should include, where possible, “average” or “central tendency” evaluations of exposure and risk as well as a “high end,” and “upper bound” exposure and risk estimates (USEPA 1989a). This study evaluated both a central tendency as well as a highly exposed residential scenario for a child and an adult residential receptors.

To calculate exposure and risk for a highly exposed individual, a high-end estimate of exposure

was developed by using maximum or near maximum values[1] for one or more sensitive exposure factors while leaving others at their mean value (USEPA 1991, USEPA 1997b). Performing the risk assessment in this fashion resulted in a high end descriptor of exposure and risk that is conservative, but is not likely to be higher than the highest exposure for the population in question. These risks have been summarized in Section 3.5.

Exposure factors include exposure frequency, exposure duration, inhalation rate and averaging time for the selected receptor. All receptors, lifetime resident, adult resident and child resident were assumed to have an exposure frequency of 350 days per year, assuming travel away from the area for approximately two weeks per year. The lifetime receptor represented a resident living in the Kenova area for a total of 30 years (i.e. a 30 year exposure duration). This value represents the upper end value for a resident residing in one location. The exposure duration for the adult and child receptor was 24 years and 6 years respectively. Note that these values sum to the 30 year exposure duration of the lifetime receptor. The inhalation rates for the adult and child receptors were derived from standard EPA sources and equaled the upper end rate of inhalation for adults and children. Averaging time was based on the exposure duration for noncarcinogenic effects. The averaging time was established at 70 years for carcinogenic effects based on the assumption that an average human life-span is approximately 70 years.

To calculate exposure and risk for a more average individual, exposure parameters were set at more central tendency (CT) values. Exposure parameters used in the CT evaluation were derived from average values presented in EPA's *Exposure Factors Handbook* (USEPA 1997b). These results are presented in Appendix D.

In the Central Tendency evaluation, all receptors, lifetime resident, adult resident and child resident were assumed to have an exposure frequency of 350 days per year, assuming travel away from the area for approximately two weeks per year. The lifetime receptor represented a resident

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[1] *For example, when percentiles are available for a particular exposure parameter, a maximum or near maximum value would generally be represented by values in the upper tail (i.e., between the 90th and 99.9th percentile) of the distribution.*

living in the Kenova area for a total of 15 years (i.e. a 15 year exposure duration). The exposure duration for the adult and child receptor was 9 years and 6 years respectively. Note that these values sum to the 15 year exposure duration of the lifetime receptor. These values were developed based on the average time that a resident spends in one dwelling which is equal to 9 years (USEPA 1997b). The inhalation rates for the adult and child receptors were derived from standard EPA sources and equaled the average rate of inhalation for adults and children. The inhalation value used for children was the inhalation rate for 3 to 6 year old children. This value was used in preference to an inhalation rate for 0 to 6 year old children as a conservative estimate of the average child's inhalation rate. It was felt that the inhalation rate for 0 to 2 year old children was not sufficiently conservative for use in this risk assessment. Averaging time was based on the exposure duration for noncarcinogenic effects. The averaging time was established at 70 years for carcinogenic effects based on the assumption that an average human life-span is approximately 70 years.

Calculation of intake factors or the daily dose for each chemical and receptor was performed. The intake factors are equivalent to the daily dose of each chemical for each receptor on a mass-equivalence basis. The formula for the intake calculation for the air inhalation pathway is presented below. Intake values for adult and child receptors for carcinogenic chemicals were calculated separately, then combined into total lifetime intake values. This method provides results identical to those obtained from the calculation of incremental lifetime risks though development of age-adjusted factors, improves the ease of spreadsheet verification and is, therefore, the preferred method.

The following intake equation was applied to determine intakes for the receptors exposed to ambient air (resident adults and resident children).

<u>Inhalation of ambient air</u>

$$Intake\ (dose)\ (mg\ /\ kg - day) = \frac{C_{air} \times EF \times ED \times IHR \times 1/CF3}{BW \times (AT_c\ or\ AT_n) \times 365}$$

Where:

C_{air}	= Chemical Concentration in air (µg/m^3)
EF	= Exposure Frequency (days/year)
ED	= Exposure Duration (years)
IHR	= Inhalation Rate (m^3/day)
CF3	= Conversion factor from µg to mg (1000 µg/mg)
BW	= Body Weight (kg)
ATc	= Averaging Time - Carcinogens (years)
ATn	= Averaging Time - Noncarcinogens (years)
365	= 365 days/year

Air concentrations used in this intake equation represented the EPCs calculated for receptor location. Standard exposure factors were utilized in these calculations, and are presented in Tables 3.4-1 and 3.4-2 for the reasonable maximum exposure adult and child resident receptors, respectively. Exposure parameters used in central tendency calculations are presented in 3.4-3 and 3.4-4 for the adult and child resident receptors respectively.

3.4 TOXICITY ASSESSMENT

The toxicity assessment examines information concerning the potential human health effects associated with exposure to COPCs. The goal of the toxicity assessment is to provide, for each COPC, a quantitative estimate of the relationship between the magnitude and type of exposure and the severity or probability of human health effects. The toxicity values presented in this section are integrated with the outputs of the exposure assessment to characterize the potential for the occurrence of adverse health effects.

The toxicological evaluation involves a critical review and interpretation of toxicity data from epidemiological, clinical, animal, and in vitro studies. This review of the data ideally determines both the nature of the health effects associated with a particular chemical, and the likelihood that a given quantity of a chemical could result in the referenced effect. This analysis defines the

relationship between the dose received and the incidence of an adverse effect for the COPC.

The entire toxicological database is used to guide the derivation of cancer slope factors (CSFs) for carcinogenic effects and reference doses (RFDs) for noncarcinogenic effects. These data may include epidemiological studies, long-term animal bioassays, short-term tests, and comparisons of molecular structure. Data from these sources are reviewed to determine if a chemical is likely to be toxic to humans. Because of the lack of available human studies, however, the majority of toxicity data used to derive CSFs and RfDs comes from animal studies.

Inadequate toxicological data exists for several of the chemicals that were modeled in this exercise. Surrogate compounds were not selected, and, therefore, these chemicals have not been quantitatively evaluated in this risk assessment.

3.4.1 Noncarcinogenic Effects

For noncarcinogens, it is assumed that there exists a dose below which no adverse health effects will be seen. Below the "threshold" dose, exposure to a chemical can be tolerated without adverse effects. For noncarcinogens, a range of exposure exists that can be tolerated. Toxic effects are manifested only when physiologic protective mechanisms are overcome by exposures to a chemical above its threshold level.

Systemic toxicity involves absorption and distribution of a toxicant from its entry point to a distant site where it produces deleterious effects. The alternative to systemic effects is local effects. Local effects are produced at the site of first contact between the biological system and the toxicant. With the exception of highly reactive substances, most produce systemic effects. Some materials produce both systemic and local effects. In these cases, the toxicant can cause effects at the site of absorption and is then transported to another part of the body where it results in additional toxic effects. Substances that are considered systemic toxicants usually do not cause the same degree of toxicity in all parts of the body that are encountered, but instead elicit major toxicity in only one or a few organs. Maternal and developmental endpoints are

considered systemic toxicity.

The potential for noncarcinogenic health effects resulting from exposure to chemicals is assessed by comparing an exposure estimate (intake or dose) to an RfD. RfDs are estimates (with uncertainty spanning perhaps an order of magnitude or greater) of a daily exposure level for the human population, including sensitive subpopulations, that is likely to be without an appreciable risk of deleterious effects during a lifetime. The RfD is expressed in units of mg/kg/day, and represents a daily intake of a contaminant per kilogram of body weight that is not sufficient to cause the threshold effect of concern. An RfD is specific to the chemical, the route of exposure, and the duration over which the exposure occurs. Separate RfDs are represented for ingestion and inhalation pathways. When evaluating the noncarcinogenic effects, it is also necessary to identify the target organ or the critical effect for each route of exposure.

Chronic RfDs are specifically developed to be protective for long-term exposure to a compound (USEPA, 1989a). RfDs are based upon the critical effect levels observed during human and animal studies, such as the lowest dose at which adverse health effects are observed. Uncertainty factors (UF) are then applied to the experimental doses. The basis for application of different uncertainty factors are explained below:

- A UF of 10 is used to account for variation in the general population and is intended to protect sensitive subpopulations, such as children and the elderly.

- A UF of 10 is used when extrapolating from animal to humans. This factor is intended to account for the interspecies variability between humans and other mammals.

- A UF of 10 is used when a No Observed Adverse Effect Level (NOAEL) derived from a subchronic instead of a chronic study is used as the basis for the chronic RfD.

- A UF of 10 is used when a Lowest Observed Adverse Effect Level (LOAEL) is used instead of a NOAEL. This factor is intended to account for the uncertainty associated

with extrapolating from LOAELs to NOAELs.

In addition to the UFs listed above a modifying factor (MF) may be applied. A MF ranging from greater than zero to 10 is included to reflect a qualitative professional assessment of additional uncertainties in the critical study and in the entire database for the chemical not explicitly addressed by the UFs. The default value for the MF is 1 (USEPA 1989a).

Inhalation noncancer reference values are expressed as a reference concentration (RfC) in units of mg/m^3. The RfC must be converted to an inhalation RfD since noncancer risk characterization requires that the reference values be expressed as mg/kg-day. The conversion from RfC to RfD is based on continuous exposure of an adult that inhales 20 m^3 of air per day and weighs 70 kg. The RfD is calculated by multiplying the RfC by 20 m^3/day and then dividing the calculated value by 70 kg.

In addition to the values provided in IRIS and HEAST, EPA's National Center for Environmental Assessment (NCEA) has developed provisional toxicity values. As recommended by EPA Regions 3 and 4, provisional toxicity values developed by EPA-NCEA may be used in risk assessments. For chlorine, EPA-NCEA has developed a provisional inhalation RfD equal to 5.71E-5 mg/kg-day (USEPA NCEA 1999). Since the CALPUFF model provided ambient concentrations of chlorine and not a transformation product (e.g., hydrogen chloride), the RfD for chlorine was used to evaluate the impact of this chemical. The use of the chlorine RfD, rather than that of the transformation product hydrogen chloride, has the added benefit of being more conservative.

Other EPA risk-based programs have elected to use alternative reference doses to estimate risks from exposure to chlorine, based on the assignment of hydrogen chloride as a surrogate (see Smith et. al. 2000). The rationale for this approach is based on the fact that emissions of chlorine gas undergo a complex series of reactions in the atmosphere that rapidly deplete the parent compound. Owing to the lack of persistence of chlorine gas as Cl_2, Smith et. al. (2000) elected to use the IRIS RfC for hydrogen chloride to represent emissions of Cl_2. For this risk assessment, it

is assumed that emissions of chlorine will exist for a sufficient duration to result in exposure to residents. Therefore, the inhalation RfD for chlorine developed by EPA-NCEA has been selected for use in this risk assessment.

A complete listing of the noncancer oral and inhalation toxicity data used in this risk assessment are provided in Tables 3.5-1 and 3.5-2. The hierarchy of toxicological information sources used during this evaluation was based on the recommendations presented in RAGS (1989a). The primary source of these values was the Integrated Risk Information System (IRIS) database (USEPA January 1998). In the absence of toxicological data from IRIS, the secondary source to review for this information was the Health Effects Assessment Summary Tables (USEPA 1997). When there was no data available from either of these sources, the provisional values that were developed by the National Center for Environmental Assessment (USEPA, NCEA 2000) were used. These provisional values are referred to as EPA/NCEA provisional values on Tables 3.5-1 and 3.5-2. Finally, if toxicity values were not available from any of the sources listed above, toxicity values withdrawn from IRIS or HEAST were considered for use. Tables 3.5-1 and 3.5-2 also include the primary target organs or organs affected by a particular chemical, or the critical effect of a chemical, as listed in IRIS.

As specified in the implementation plan for this risk assessment, oral RfDs were used in inhalation hazard calculations when inhalation RfDs or RfCs could not be obtained. No additional uncertainty factors were applied when using oral RfDs to represent inhalation RfDs.

3.4.2 Carcinogenic Effects

A relatively small number of chemicals have been identified as known human carcinogens, however, many other chemicals are suspected of causing carcinogenic effects. The carcinogenic evaluation of chemicals includes qualitative and quantitative analyses. The qualitative assessment provides a weight-of-evidence that describes the likelihood of a chemical to induce cancer in humans. This evaluation is based upon peer-reviewed scientific literature based on human and animal exposures, in vitro analyses, and structure activity relationships. The six

weight-of-evidence classifications recognized by EPA are presented below (EPA, 1986).

- **Group A - Human Carcinogen:** Based on sufficient human data, the chemical is identified as a human carcinogen.

- **Group B1 - Probable Human Carcinogen:** Human data indicate that a causal association between the chemical and carcinogenic effects exists, however, alternative explanations can not be dismissed.

- **Group B2 - Probable Human Carcinogen:** Human data are insufficient to support a causal association, however, testing data in animals support a causal association.

- **Group C - Possible Human Carcinogen:** Human data are inadequate or lacking; animal data suggests a causal association. However, animal studies have deficiencies that limit their interpretation.

- **Group D - Not Classifiable as to Human Carcinogenicity:** Human and animal data are lacking or inadequate.

- **Group E - Evidence of Noncarcinogenicity to Humans:** Human data are negative or lacking, and adequate animal data indicate no association with cancer.

Unlike noncarcinogens, EPA assumes that thresholds do not exist for carcinogens, therefore, any exposure is associated with some quantifiable risk. The toxicity values for carcinogenicity, referred to as cancer slope factors (CSF), are a quantitative estimate of potency. The CSF is defined as the upper bound estimate of the probability of a cancer incidence per unit dose averaged over a lifetime. Slope factors are derived from studies of carcinogenicity in humans and/or laboratory animals, and are typically calculated for compounds in Groups A, B1, and B2, although some Group C carcinogens also have slope factors and some B2 carcinogens have none

(e.g., lead).

Slope factors are specific to a chemical and route of exposure and are expressed in units of $(mg/kg\text{-}day)^{-1}$ for both oral and inhalation routes. Inhalation cancer toxicity values are also expressed as inhalation unit risks in units of reciprocal $\mu g/m^3$ ($1/\mu g/m^3$). Because cancer risk characterization requires an estimate of a reciprocal dose in units of 1/mg/kg/day, the inhalation unit risk must be converted to the mathematical equivalent of an inhalation cancer slope factor, or risk per unit dose (mg/kg-day). This is done by assuming that humans weigh 70 kg and inhale 20 m^3 of air per day [i.e., the inhalation unit risk ($1/\mu g/m^3$) is divided by 20 m^3/day, multiplied by 70 kg, and multiplied by 1,000 μg/mg to yield the mathematical equivalent of an inhalation slope factor (1/mg/kg-day)].

When determining the potential carcinogenic risk associated with airborne contaminants, the most preferable CSFs are those derived for inhalation. However, in the absence of an inhalation CSF for a particular chemical, its oral CSF was used in the evaluation without further modification (TGI 1997c).

EPA's Office of Research and Development has recently proposed a revision to the unit risk for 1,3-butadiene. The unit risk proposed by the Office of Research and Development would be lower (i.e., less potent). However, as a conservative approach, until this revision is finalized, the unit risk for 1,3-butadiene presented in IRIS has been selected for use in this risk assessment.

EPA's Office of Air Quality Planning and Standards (OAQPS) has summarized information suggesting that at least some of the air concentrations of nickel derived from industrial emissions should be assumed to consist of the carcinogenic crystalline form, the pure form of which is nickel subsulfide (Smith et. al 2000). Available nickel speciation information for some of the largest nickel-emitting sources, including oil combustion, coal combustion and others, suggest that at least 35% or more of total nickel emissions are soluble compounds. Of the insoluble nickel emissions, 17% is thought to be oxides, 3% or more sulfides, and the risk is unknown. Based on these data, the EPA OAQPS has assumed that 50% of emitted nickel is insoluble and

that 50% of insoluble nickel is crystalline. On this basis, OAQPS recommends that the unit risk for nickel subsulfide be used by dividing by four and applying this unit risk to all nickel compounds (Smith et. al. 2000). Critical studies used to define the unit risk for nickel subsulfide, as published in IRIS, were conducted in the vicinity of the Kenova Industrial Cluster (Enterline and Marsh 1982). Therefore, emissions of nickel subsulfide have been demonstrated to occur in the vicinity of this project's area of concern. Therefore, in this risk assessment, it has been assumed that 25% of the nickel concentrations consist of nickel subsulfide. The unit risk applied equals the unit risk for nickel subsulfide published in IRIS (April 2000) divided by a factor of four to account for the presence of 75% of the nickel in non-carcinogenic forms.

A complete listing of oral and inhalation cancer toxicity data is provided in Tables 3.6-1 and 3.6-2. Sources of carcinogenicity data were based on the recommendations of RAGS (1989a). The primary source of information for these values is IRIS (USEPA 2000a). The USEPA intends that IRIS supersedes all other sources of toxicity information for risk assessment. The secondary source of this information is HEAST (USEPA 1997a). If toxicity data is not available from either of these sources, the Environmental Protection Agency, National Center for Environmental Assessment provisional values were used to evaluate toxicity (EPA/NCEA, 2000) 1998). Finally, if toxicity values were not available from any of the sources listed above, toxicity values withdrawn from IRIS or HEAST were considered for use.

3.5 RISK CHARACTERIZATION

This section provides a characterization of the potential human health risks associated with the potential exposure to COPCs identified in Tasks 1 and 3. Section 3.5.1 outlines the methods used to quantitatively estimate the type and magnitude of potential risks for human receptors. A summary of the risk characterization used in this risk assessment is provided in Section 3.5.2.

3.5.1 Methodology for Estimation of Quantitative Risks

Potential human health risks resulting from exposure to COPCs are estimated using algorithms

established by the USEPA (USEPA 1989a). The methods described by the USEPA are protective of human health and are likely to overestimate (rather than underestimate) risk. The methodology uses specific algorithms to calculate risk as a function of chemical concentration, human exposure parameters, and toxicity.

Risks from hazardous chemicals are calculated for either noncarcinogenic or carcinogenic effects. Some carcinogenic chemicals may also exhibit noncarcinogenic effects. Potential impacts are then characterized for both types of health effects.

3.5.1.1 Noncarcinogenic Effects

The hazards associated with the effects of noncarcinogenic COPCs are evaluated by comparing an exposure level or intake to an RfD. The ratio of the intake to the RfD is called the hazard quotient (HQ) and is defined as follows (USEPA 1989a):

$$HQ_i = \frac{Intake_i}{RfD_i}$$

Where:

HQ_i	= Hazard Quotient for chemical "i" (unitless)
$Intake_i$	= Intake of chemical "i"expressed as an average daily dose in (mg/kg-day)
RfD_i	= Inhalation Reference Dose of chemical "i" in (mg/kg-day)

The HQ assumes that at exposure levels below the RfD it is unlikely for even sensitive populations to experience adverse health effects. If the HQ exceeds one, there may be a potential for noncancer health effects. Generally, the greater the HQ above one, the greater the level of concern regarding the potential for adverse health effects to occur.

The hazard index (HI) describes the overall potential for noncarcinogenic effects posed by more than one chemical. The approach assumes that simultaneous exposures to several chemicals could produce an adverse effect. The HI is generated by summing the individual HQs for all the COPCs. The magnitude of the adverse effect is assumed to be proportional to the sum of the ratios of the sub-threshold exposures to acceptable exposures. As with the individual hazard quotients, there is a potential for adverse health affects when the ratio exceeds one.

As noted previously, the noncancer hazard quotient assumes that there is a level of exposure (i.e., the RfD) below which it is unlikely for even sensitive populations to experience adverse health effects. If the intake exceeds this threshold (i.e., if Intake/RfD exceeds unity), there may be concern for potential noncancer effects. As a rule, the greater value of Intake/RfD

above unity, the greater the level of concern. It is important, however, not to interpret ratios of Intake/RfD as statistical probabilities; a ratio of 0.001 does not mean that there is a one in one thousand chance of the effect occurring. Further, it is important to emphasize that the level of concern does not increase linearly as the RfD is approached or exceeded because RfDs do not have equal accuracy or precision and are not based on the same severity of toxic effects. Thus, the slopes of the dose-response curve in excess of the RfD can range widely depending on the substance (USEPA 1989a).

The HI approach is most properly applied to compounds that produce the same effect by the same mechanism. Application of the hazard index approach to a number of chemicals that elicit various toxic effects through different mechanisms could result in an overestimation of the potential for noncarcinogenic effects. When the HI exceeds unity, the HQs may be segregated by target organ effects and mechanism of action since the HQs for all noncarcinogens are not considered to be truly additive unless similar target organs are affected. Because of the large volume of data generated by the modeling effort, target organ segregation of HIs was not performed. Uncertainties resulting from this are discussed in Section 3.6.

3.5.1.2 Carcinogenic Effects

Risks attributable to exposure to carcinogenic COPCs are estimated as the probability of an individual developing cancer over a lifetime as a result of exposure to a potential carcinogen. At low doses, the incremental lifetime cancer risk (ILCR) is determined as follows (USEPA 1989a):

$$ILCR_i = Intake_i \ x \ CSF_i$$

Where:

$ILCR_i$	= Incremental Lifetime Cancer Risk for chemical "i," expressed as a unitless probability
$Intake_i$	= Intake of chemical "i"expressed as a lifetime average daily dose in (mg/kg-day)

CSF_i = Cancer slope factor of chemical "i" $(mg/kg\text{-}day)^{-1}$

Individual chemical-specific cancer risks are summed to estimate the total incremental individual lifetime cancer risk for simultaneous exposure to several carcinogens. The risk summation technique assumes that synergistic or antagonistic chemical interactions will not occur and that all chemicals produce the same effects. These assumptions may result in either an underestimation or overestimation of the actual risk resulting from exposure to multiple substances.

3.5.2 Results of the Risk Characterization

This section contains a summary of the results of the risk characterization for the air risk assessment for the Tri-State Geographic Initiative. Separate risk characterization summaries are provided for Task 1 and Task 3. Both noncarcinogenic hazards and carcinogenic risks were evaluated at all receptor locations for both data sets.

The human health risk assessment for each task was performed to characterize the potential risks to likely human receptors under current land use. The most likely receptors, and the receptors most protective of human health considered in this HHRA were the adult residential receptor and the child residential receptor. Residents currently live in close proximity to all sampling locations and it is reasonable to assume that areas currently in residential land use will remain as such in the future.

Results from the human health risk assessment and acute evaluation were compared to the target risk levels defined in the Tri-State Geographic Initiative *Risk Management Plan* (TGI 1997d). As defined in the TGI *Risk Management Plan*, further action will be proposed if any of the following is true:

- Chronic noncarcinogenic risks are found for any individual pollutant in excess of a hazard quotient of 1.

- Lifetime carcinogenic risks are found for any individual pollutant in excess of a risk level of 1E-06 (or 1 in 1,000,000)

All risk and hazard calculations were performed using Reasonable Maximum Exposures (RME). Risk and hazard calculations for central tendency exposure are included in Appendix D, and are discussed in the uncertainty section.

3.5.2.1 Results of Non-cancer Hazard Analysis

Task 1 Noncarcinogenic Hazards

TASK 1 results used in this HHRA represented the annual average concentration possible for each modeled chemical at each location. Variable emission data provided by the four industries was not used to adjust the output concentrations in TASK 1. Instead, modeled chemical concentrations were based on maximum emission rates provided by each industry. These data were considered to represent the situation of continuous maximum emissions. However, for Ashland Petroleum, no maximum emission rate was available. Therefore, the typical daily emission rate for each chemical was used for each source at this facility for TASK 1 modeling. Task 3 results were based on inputs of variable daily emissions from the four facilities. In most cases, the use of daily emission data resulted in lowering the output concentrations. Risk results based on Task 1 data should, in general, be greater than the comparable result based on Task 3 data. However, for chemicals with highly variable output concentrations, this generality may not apply.

Hazard Quotients (HQs) were calculated for 12 noncarcinogenic COPCs at 4022 receptor locations. The HQ values obtained for Task 1 COPCs and the cumulative hazard indices (HIs), derived through summing the HQ values for each receptor location, are presented in Appendix C-1.

HIs exceeded one for multiple locations for both the child and the adult residential receptor. The

maximum HI value obtained for the child resident was 130, located at the UTM coordinates 360.302, 4247.704. The location of this point is presented on Figure 2-5. The maximum HI value obtained for the adult resident was 45 and was found at the same location. Locations with HI values greater than one are presented in Tables 3.7-1 and 3.7-2 for the child and adult receptor, respectively.

The distribution of HIs for the adult and child receptor are shown in Figures 3-2 and 3-3. These figures illustrate that the noncarcinogenic risks were greatest near the facilities. However, HIs for modeling points located adjacent to the city of Kenova and in areas almost two miles distant from the industrial facilities were in excess of one.

Forty locations were designed as sensitive receptor locations in the modeling report (USEPA 2000). HIs in excess of one were found at five sensitive receptor locations based on results for the child receptor (sensitive receptor identification numbers 22- Ferndale School, 33- Citizen's residence, 35- Corn Field monitoring location, 36- Sweet Run monitoring location and 37- Centennial Drive monitoring location), and in two sensitive receptor locations based on results for the adult receptor (sensitive receptor identification numbers 33- Citizen's residence and 35- Corn Field monitoring location). HIs and HQs for the 40 sensitive receptor locations are presented in Tables 3.7-3 and 3.7-4 for the child residential receptor and adult residential receptor, respectively.

Compounds with HQs in excess of one for the child receptor included: antimony, benzene, carbon tetrachloride, chlorine, naphthalene, 1,2,4-trimethylbenzene and toluene. HQs for COPCs acrylic acid, arsenic, furfural, hydrogen chloride and nickel were less than one at all 4022 locations.

Compounds with HQs in excess of one for the adult receptor included: benzene, carbon tetrachloride, chlorine, naphthalene, and 1,2,4-trimethylbenzene. HQs for COPCs acrylic acid, antimony, arsenic, furfural, hydrogen chloride, nickel and toluene were less than one at all 4022 locations.

Task 3 Noncarcinogenic Hazards

TASK 3 results used in this HHRA represented the annual average concentration possible for each modeled chemical at each location. Variable daily emission data provided by the four industries were used to adjust the input concentrations in TASK 3. In most cases, the use of emission data resulted in lowering the output concentrations. Risk results based on Task 3 data should in general be less than the comparable result based on Task 1 data. However, for chemicals with highly variable output concentrations, this generality may not apply.

Hazard Quotients (HQs) were calculated for 11 noncarcinogenic COPCs at 4022 receptor locations. The HQ values obtained for Task 3 COPCs and the cumulative hazard indices (HIs), derived through summing the HQ values for each receptor location, are presented in Appendix C-2.

HIs exceeded one for multiple locations for both the child and the adult residential receptor. The maximum HI value obtained for the child resident was 117, located at the UTM coordinates 360.302, 4247.704 (see Figure 2-5). This location was found to exhibit the maximum noncarcinogenic hazards and carcinogenic risks for Task 1 data as well. The maximum HI value obtained for the adult resident was 42 and was found at the same location. Locations with HI values greater than one are presented in Tables 3.7-5 and 3.7-6 for the child and adult receptor, respectively.

The distribution of HIs for the adult and child receptor are shown in Figures 3-4 and 3-5. These figures illustrate that the noncarcinogenic risks were greatest near the facilities. However, in contrast to the findings using the Task 1 data, HIs for modeling points located adjacent to the city of Kenova did not exceed one. Receptor locations in some areas almost two miles distant from the industrial facilities were still in excess of one based on Task 3 data.

Forty locations were designed as sensitive receptor locations in the modeling report (USEPA Region 5, 2000). HIs in excess of one were found at four sensitive receptor locations based on

results for the child receptor (sensitive receptor identification numbers 33- Citizen's residence, 35- Corn Field monitoring location, 36- Sweet Run monitoring location and 37- Centennial Drive monitoring location), and in two sensitive receptor locations based on results for the adult receptor (sensitive receptor identification numbers 33- Citizen's residence and 35- Corn Field monitoring location). HIs and HQs for the 40 sensitive receptor locations are presented in Tables 3.7-7 and 3.7-8 for the child residential receptor and adult residential receptor, respectively.

Compounds with HQs in excess of one for the child receptor included: antimony, benzene, carbon tetrachloride, chlorine, naphthalene, 1,2,4-trimethylbenzene and toluene. HQs for COPCs acrylic acid, arsenic, furfural, and nickel were less than one at all 4022 locations. In contrast to Task 1 data, hydrogen chloride was not a COPC for the Task 3 data set.

Compounds with HQs in excess of one for the adult receptor included: benzene, carbon tetrachloride, chlorine, naphthalene, and 1,2,4-trimethylbenzene. HQs for COPCs acrylic acid, antimony, arsenic, furfural, nickel and toluene were less than one at all 4022 locations. In contrast to Task 1 data, hydrogen chloride was not a COPC for the Task 3 data set.

3.5.2.2 Results of Cancer Risk Analysis

Task 1 Carcinogenic Risks

Carcinogenic risks were calculated for five COPCs at 4022 receptor locations. The risk values obtained for individual COPCs and the cumulative risks, derived through summing the risk values for individual COPCs at each receptor location, are presented in Appendix C-3.

Results for the lifetime receptor were obtained by summing risks calculated for the adult and the child residential receptor. The lifetime receptor represents an individual who would reside in the Kenova Industrial Cluster area from childhood through the age of 30.

Figures 3-6, 3-7 and 3-8 illustrate the distribution of carcinogenic risks for the lifetime, adult and

child receptors, respectively. For the lifetime, adult and child receptor, risks in excess of 1E-4 and 1E-5 were found in many locations. The highest risks were obtained at locations closest to the industrial facilities. Locations with lifetime risks in excess of 1E-4 are presented in Table 3.8-1. Locations with risks in excess of 1E-6 for the lifetime, adult and child receptors are presented in Appendix C-4. To ultimately facilitate risk management, risks from individual chemicals at any location in excess of 1E-6 have been highlighted in the tables presented in Appendix C-4.

The maximum lifetime risk obtained equaled 1E-3 located at the UTM coordinates 360.302, 4247.704 (see Figure 2-5). This was also the location for the maximum HI value for both adult and child residential receptors.

Carcinogenic risks for the 40 sensitive receptor locations are summarized in Tables 3.8-2, 3.8-3, and 3.8-4 for the lifetime, adult and child receptors, respectively. Cumulative lifetime risks were found to exceed 1E-5 at three special receptor locations (sensitive receptor identification numbers 33- citizen's residence, 35- Corn Field monitoring location and 37- Centennial Drive monitoring location), but risks did not exceed 1E-4 for any special receptor location.

Lifetime risks for all five carcinogenic COPCs, including arsenic, benzene, 1,3-butadiene, carbon tetrachloride and nickel, exceeded 1E-6 at numerous receptor locations.

Task 3 Carcinogenic Risks

Carcinogenic risks were calculated for five COPCs at 4022 receptor locations. The risk values obtained for individual COPCs and the cumulative risks, derived through summing the risk values for individual COPCs at each receptor location, are presented in Appendix C-5.

Results for the lifetime receptor were obtained by summing risks calculated for the adult and the child residential receptor. The lifetime receptor represents an individual who would reside in the Kenova Industrial Cluster area from childhood through the age of 30.

Figures 3-9, 3-10 and 3-11 illustrate the distribution of carcinogenic risks for the lifetime, adult and child receptors, respectively. For the lifetime, adult and child receptor, risks in excess of 1E-4 and 1E-5 were found in many locations. The highest risks were obtained at locations closest to the industrial facilities. Locations with lifetime risks in excess of 1E-4 are presented in Table 3.8-5. Locations with risks in excess of 1E-6 for the lifetime, adult and child receptors are presented in Appendix C-6. To ultimately facilitate risk management, risks from individual chemicals at any location in excess of 1E-6 have been highlighted in the tables presented in Appendix C-6.

The maximum lifetime risk obtained equaled 1E-3 located at the UTM coordinates 360.302, 4247.704 (see Figure 2-5). This was also the location for the maximum HI value for both adult and child residential receptors, and the location for all maximum risk results based on Task 1 data.

Carcinogenic risks for the 40 sensitive receptor locations are summarized in Tables 3.8-6, 3.8-7 and 3.8-8 for the lifetime, adult and child receptors, respectively. Cumulative lifetime risks were found to exceed 1E-5 at four special receptor locations (sensitive receptor identification numbers 33- Citizen's residence, 35- Corn Field monitoring location, 36- Sweet Run monitoring location and 37- Centennial Drive monitoring location) but risks did not exceed 1E-4 for any special receptor location.

Individual risks for all five carcinogenic COPCs, including arsenic, benzene, 1,3-butadiene, carbon tetrachloride and nickel, exceeded 1E-6 at numerous receptor locations.

3.6 UNCERTAINTY ANALYSIS

This section discusses the uncertainties associated with this evaluation. The risk measures used in this evaluation are not fully probabilistic estimates of risk, but conditional estimates given a considerable number of assumptions about exposure and toxicity. Thus, it is important to specify the assumptions and uncertainties inherent in the risk assessment to place the risk estimates in proper perspective. Another use of uncertainty characterization can be to identify areas where a moderate amount of additional data collection might significantly improve the basis for risk-based decision making (USEPA 1989a).

Highly quantitative statistical uncertainty analysis is usually not practical or necessary for many risk assessments for a number of reasons, not the least of which are the resource requirements to collect and analyze site data in such a way that the results can be presented as valid probability distributions. As in all environmental risk assessments, it already is known that uncertainty about the numerical results is generally large (i.e., on the range of at least an order of magnitude or greater). Consequently, it is more important to identify the key site-related variables and assumptions that contribute most to the uncertainty than to precisely quantify the degree of uncertainty in the risk assessment. Thus, the focus of this section is on qualitative information on the possible sources and magnitudes of uncertainty in the risk estimates.

There are uncertainties associated with each component of the risk assessment from data collection through risk characterization. For example, there is uncertainty in the initial selection of substances used to characterize exposures and risk on the basis of the modeled data and available toxicity information. Other sources of uncertainty are inherent in the toxicity values for each substance and the exposure assessments used to characterize risks. Finally, additional uncertainties are incorporated in the risk assessment when exposures to several substances across multiple pathways are summed.

Once the risk assessment is complete, the results must be reviewed and evaluated to try and identify the type and magnitude of uncertainty involved. This interpretation is especially relevant when the risks exceed the point-of-departure for defining "acceptable" risk. Areas of uncertainty in each risk assessment step are discussed below.

3.6.1 List of Physical Setting Definition Uncertainties

Chemicals Not Included in the Risk Assessment

The chemicals evaluated in this risk assessment were based on those selected for inclusion in the TGI air modeling project (TGI 1997b, USEPA Region 5, 2000). This list of compounds included 35 chemicals. The appropriateness of the chemicals selected for the modeling process would influence the data usability of the results of the modeling. The selection process for the modeled chemicals included the objective of developing data suitable for use in the risk assessment (TGI 1997b,c). However, the extent to which this goal was achieved is difficult to determine and represents an uncertainty in this risk assessment.

Chemicals were screened out during the COPC selection process based on USEPA Region IV methodologies for reducing the number of chemicals to be carried through the risk assessment process (USEPA Region 4, 1995). The purpose of such a screen is to reduce the number of calculations necessary while not significantly affecting the quantitative risk evaluation outcome. There is a minor amount of uncertainty associated with this COPC selection process that may impact the numerical risk estimates. The selection of COPCs is made on a conservative basis and it is unlikely that significant risk drivers would be omitted during the COPC selection process.

The RBC health-based screening benchmarks for non-carcinogenic effects have traditionally been derived for adult-only exposures, rather than for children. This may tend to underestimate the potential risks presented by airborne pollutants since non-carcinogenic RBC values derived specifically for children would be slightly lower than those derived for adult-only exposures (i.e.,

non-carcinogenic RBCs based on childhood-only exposures would be lower than adult-only RBCs by a factor of approximately 2.8).

COPCs in this risk assessment were not screened against background concentrations. All COPCs were retained to provide a complete characterization of risk, even though some modeled concentrations may be within the range of background concentrations. The use of this approach leads to an overestimation of potential risks associated with contaminants found in the study area.

Sample Representativeness

The risk estimates presented in this report are based on a relatively large number of points located on a modeling grid. The distance between points on the grid was considerably less than a kilometer for all areas of the grid (the grid contain three distinct zones with receptor spacing of 100 meters in the center area, 250 meters in the intermediate portion of the grid and 500 meters around the edges of the grid). The large number of grid points included in the modeling is believed to be sufficient to provide representative risk estimates for all locations within the grid. For special receptor locations located outside of the grid, results for these locations were modeled based on a single point. However, the intent of the special receptor locations was to determine potential adverse effects to sensitive populations, such as children, the elderly or the infirm, located at the specific special receptor points. As such, limiting the modeling to a single point for the special receptors rather than as a number of gridded points should not have significantly affected the results.

Modeling was performed on an hourly basis for one year. This frequency and duration of results should provide a good description for the one year period for which results were generated. However, between year variation has not been taken into account by this analysis, and this represents an uncertainty of an unknown direction of bias in the results.

Likelihood of the Completed Exposure Pathway Considered

There is little uncertainty that residents in the Kenova Industrial Cluster are breathing the air. However, indirect pathways such as deposition of airborne contaminants to soil or water with subsequent ingestion or dermal contact with airborne contaminants have not been considered. In addition, no modification to exposure units have been performed based on a partitioning among types of activities. For example, contaminants present in indoor air may not be identical to those present in outdoor air. Not having evaluated all possible exposure pathways will tend to underestimate the risk.

3.6.2 Model Applicability and Assumptions

The risk assessment model used to evaluate exposure in this assessment (see Section 3.3 above) presumes that risk is appropriately evaluated by determining a total dose of chemical and averaging it over the exposure duration (in the case of non-carcinogens) or over a lifetime (in the case of carcinogens). This assumption may tend to underestimate the risk since averaging over the exposure duration or lifetime does not allow for an evaluation of excursions in exposure (i.e., high spikes in concentration over a short time period). Such excursions could provide a dose which, when not averaged out over the averaging time, is high enough to bring the receptor into a range of acute effects (note that acute effects were specifically evaluated in this assessment).

Uncertainties associated with the use of the CALMET meteorological preprocessor and the CALPUFF air model have been discussed in Sections 4.0 and 5.0 of the TGI Kenova Industrial Cluster air modeling report (USEPA Region 5, 2000). Assumptions made regarding input sources, meteorological variables, turbulence, dispersion rates, vertical wind shear, plume rise, building downwash, complex terrain, deposition, chemical transformation, wet removal and other factors all affect the accuracy of the modeled results. In addition, the interaction among assumptions applied to each variable would also influence the final results of the modeled output. The extent to which these assumptions have impacted the risk assessment results has not been quantitatively determined, but is considered to have a major influence on the results of the risk assessment.

3.6.3 Parameter Value Uncertainty

During the course of a risk assessment, numerous parameter values are included in the calculations of human intake. It is important to summarize the uncertainty associated with key parameters and to describe the effect they may have on the overall assessment. An evaluation of certain key parameters is provided below.

Uncertainties in a risk assessment may be associated with the selected exposure point concentrations (EPCs). In this case, modeled results for each location were used as the EPCs. Sensitivity tests were performed during model calibration to determine optimum parameters to use in the CALPUFF model (USEPA Region 5, 2000). This type of calibration should have resulted in a reduction in the uncertainty in the concentration data generated. However, the actual magnitude and direction of this uncertainty can not be determined.

Values used for other exposure parameters used in these evaluation such as inhalation rate, exposure duration and exposure frequency were obtained from a variety of secondary sources. These parameter values were developed based on studies of activity patterns and physiology published in the primary, peer reviewed literature. This risk assessment used both high end (RME) and central (CT) parameter values to evaluate risks. As such, the values used are believed to be sufficiently conservative to not have resulted in an underestimation of risk.

3.6.4 Toxicity Assessment Uncertainty Factors

Uncertainties associated with the toxicity assessment (determination of RfDs and CSFs are use of available criteria) are inherent in the risk assessment process. Uncertainty exists in the toxicological data base and in the methodology used to derive RfDs and CSFs. However, this uncertainty is mitigated by the use of uncertainty and modifying factors for RfDs. For cancer effects, the uncertainty associated with dose-response factors is mitigated by assuming the 95 percent upper bound for the slope factor. As a conservative assumption, oral RfDs or CSFs were used in the inhalation pathway for COPCs lacking inhalation RfDs or CSFs. This procedure may have resulted in an overestimation or underestimation of risks from this pathway.

Uncertainties exist in the use of the provisional RfD developed by NCEA for chlorine (USEPA NCEA, 1999). In addition, revised unit risks are in development for 1,3-butadiene (Smith et. al. 2000). Modifications to the unit risk for nickel based on assumed forms of nickel in the atmosphere represent an additional source of uncertainty. The unit risk used for nickel equaled the unit risk for nickel subsulfide published in IRIS (April 2000) divided by a factor of four to account for the presence of 75% of the nickel in non-carcinogenic forms. However, in all three cases, the choices made, as detailed in the toxicity assessment, are believed to be conservative.

Oral RfDs were used to evaluate inhalation risks for antimony, arsenic and nickel. The use of these values represents an uncertainty as it is not known whether the toxicity experienced through oral exposure is comparable to that from inhalation exposure.

Toxicity data were not available to evaluate six of the chemicals used in the modeling program. These chemicals were not evaluated in this risk assessment using toxicity values derived from structurally similar surrogates because the actual chemicals may be more or less toxic than the surrogate selected. Therefore, some uncertainty has been introduced into the risk assessment by omitting an evaluation of these chemicals. No toxicity values were available to evaluate the COPCs calcium oxides, cyclohexane, ethylene, hydrogen fluoride, nonane, and propylene. The occupational literature reports that ethylene and propylene are generally smothering hazards

though they may result in toxicological effects when present in the percent range. In this modeling, these chemicals were present in the range of parts per million suggesting that human health impacts from exposure to these compounds may be limited.

High concentrations of cyclohexane and nonane may act as a central nervous system depressants (HSDB database online). Cyclohexane may also irritate eyes and skin while nonane has been shown to irritate the respiratory tract. However, quantitative evaluation of these effects is not possible owing to the absence of toxicity factors.

Calcium oxide or lye has been evaluated under industrial conditions. Industrial experience has shown it to be very irritating to mucous membranes and moist skin resulting from alkalinity impacts. Inflammation of respiratory passages upon exposure to calcium oxide has been observed. Major complaints of workers exposed to lime consists of irritation of skin and eyes (American Conference of Governmental Industrial Hygienists, Inc. Documentation of the Threshold Limit Values, 4th ed., 1980. Cincinnati, Ohio: American Conference of Governmental Industrial Hygienists, Inc., 1980. 63).

Hydrogen fluoride is often acutely toxic. As will be presented in Section 4.0, hydrogen fluoride did not exceed acute screening values. However, impacts from chronic exposure cannot be determined in the absence of toxicity factors.

Other aspects of toxicity assessment uncertainty include:

- *Use of Animal Data as a Surrogate for Human Exposures* - A large amount of uncertainty exists due to the models used to extrapolate from animal data to humans, including the use of models to evaluate responses in the low dose portion of the curve. Depending on the chemical in question, such assumptions may tend to over- or underestimate the resulting risk.

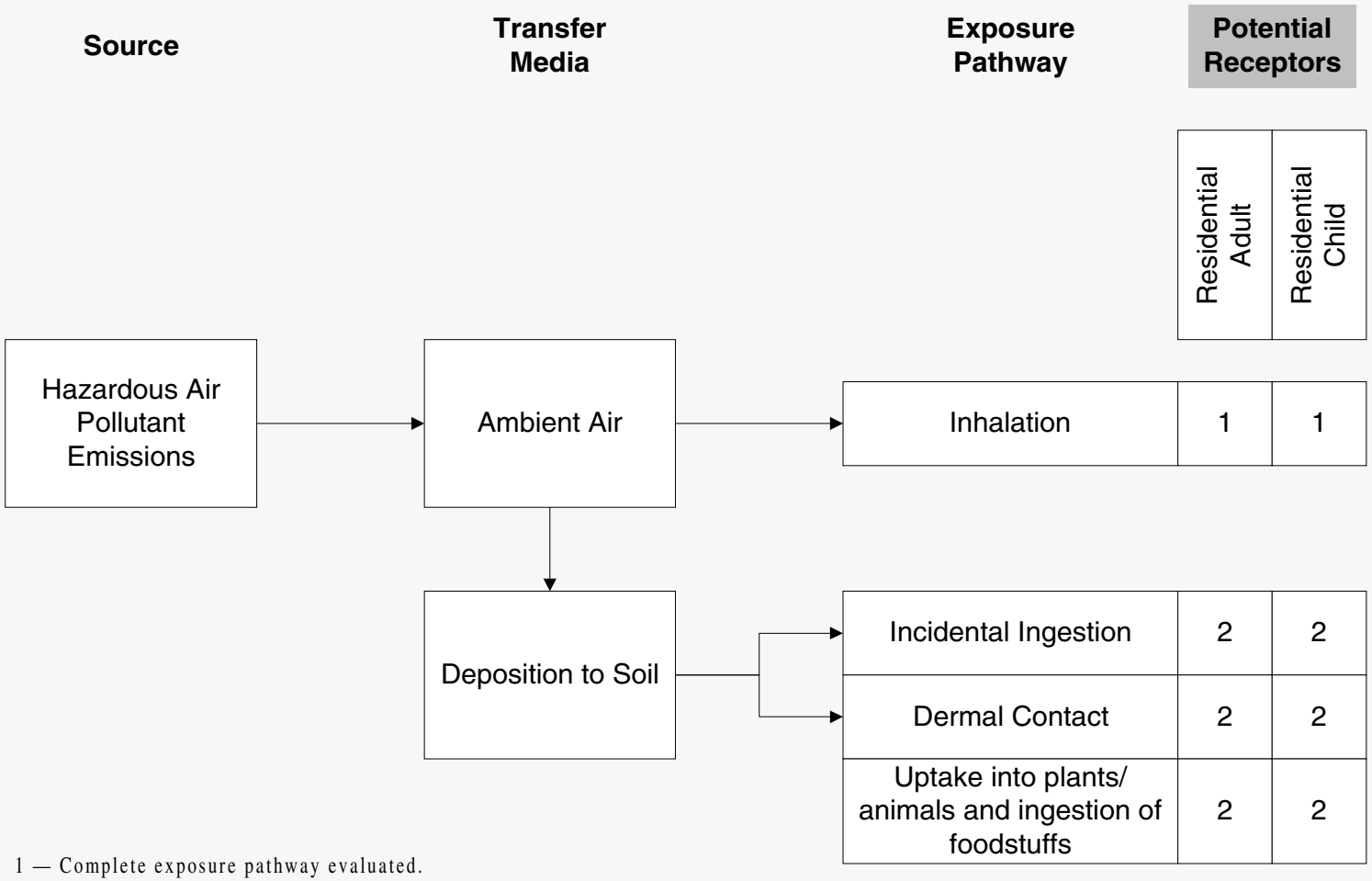
- *Multiple Substance Exposure Uncertainties* - Uncertainties associated with summing

risks or hazard quotients for several substances are of particular concern in the risk characterization step. The assumption of dose additivity ignores possible synergisms or antagonisms among chemicals, and assumes similarity in mechanisms of action and metabolism. Unfortunately, data to assess interactions quantitatively are generally lacking. In the absence of adequate information, USEPA guidelines indicate that carcinogenic and non-carcinogenic risks should be treated as additive. These assumptions are made to help prevent an underestimation of cancer risk or potential noncancer health effects. For the Kenova Industrial Cluster evaluation, the following statements regarding uncertainty in dose additivity may be made:

- The idea that all carcinogens should be added together may overestimate the risk since it is only surmised that all carcinogens behave according to the linearized multistage model of cancer, with extrapolation to zero appropriate in the low dose portion of the dose-response curve. In fact, a number of carcinogens may actually behave more like classical non-carcinogens and exhibit a threshold effect. Conversely, neither antagonistic effects (which would cause a further overestimation of risk) nor synergistic effects (which would cause the opposite) have been taken into account.

- Note that, similar to carcinogens, the role of unknown antagonistic and synergistic effects has also not been evaluated in this risk analysis.

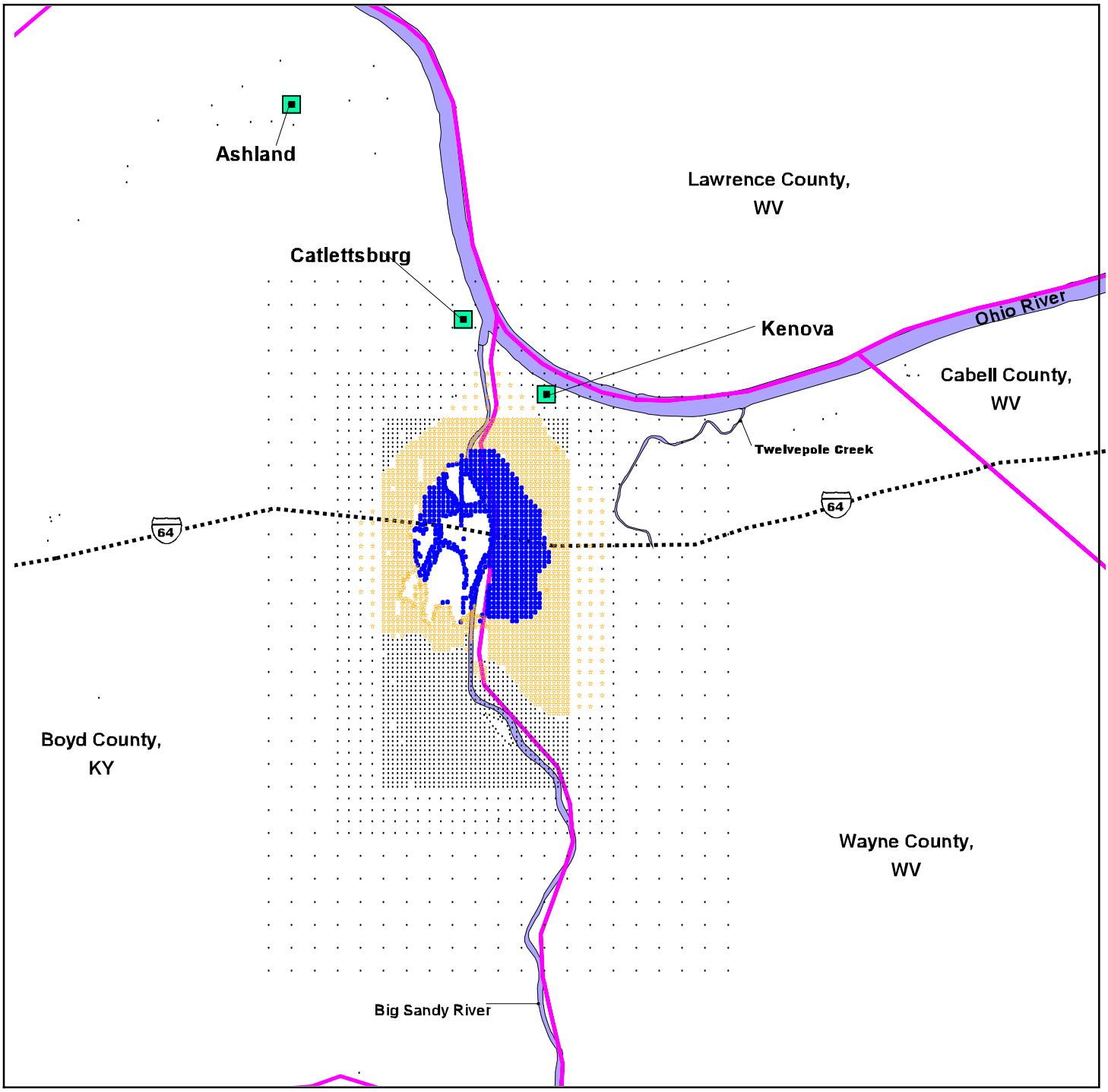
HIs were not segregated by target organ. This represents an uncertainty in that some receptor locations with cumulative HIs in excess of one may not have organ system-specific HIs in excess of one. However, it is anticipated that only a few receptor locations would fall in this category given the large number of chemicals included in this risk assessment which affect the respiratory or nervous systems.



1 — Complete exposure pathway evaluated.
2 — Will be assessed in future deposition modeling risk assessment.

FIGURE 3-1

Human Health Conceptual Site Model



- Risks are greater or equal to 3
- Risks are less than 3, but are greater or equal to 1
- Risks are less than 1

Political Boundaries
Highways

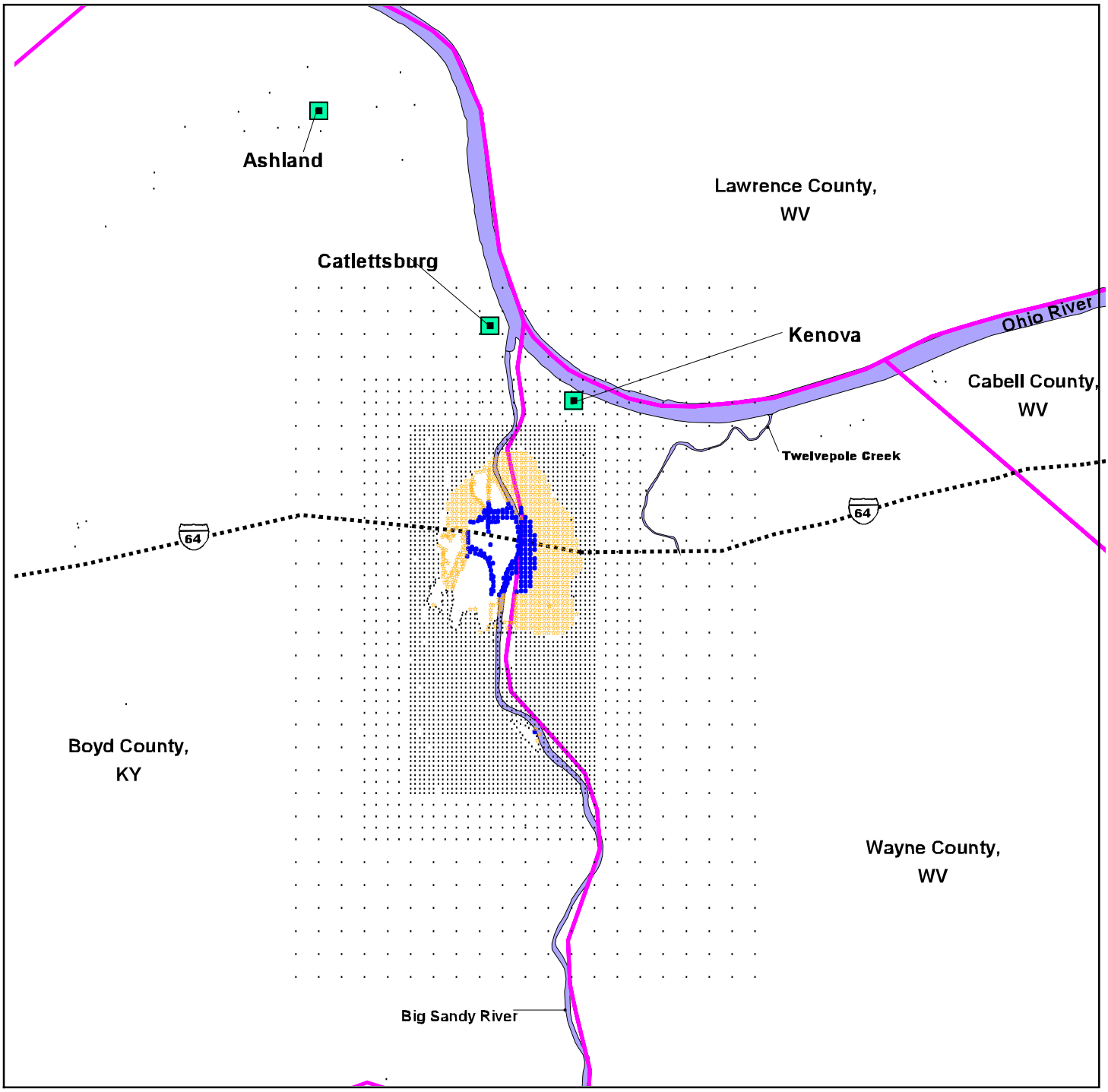
Figure 3-2
Non-Cancer Hazards for the Child Resident Receptor
Task 1 Data
Reasonable Maximum Exposure

N
W E
S

Scale = 1:125,000

4 0 4 Miles

Task 1 - Child Noncancer
Prepared by: Gannett Fleming, Inc.



- Risks are greater or equal to 3
- Risks are less than 3, but are greater or equal to 1
- Risks are less than 1

Political Boundaries
Highways

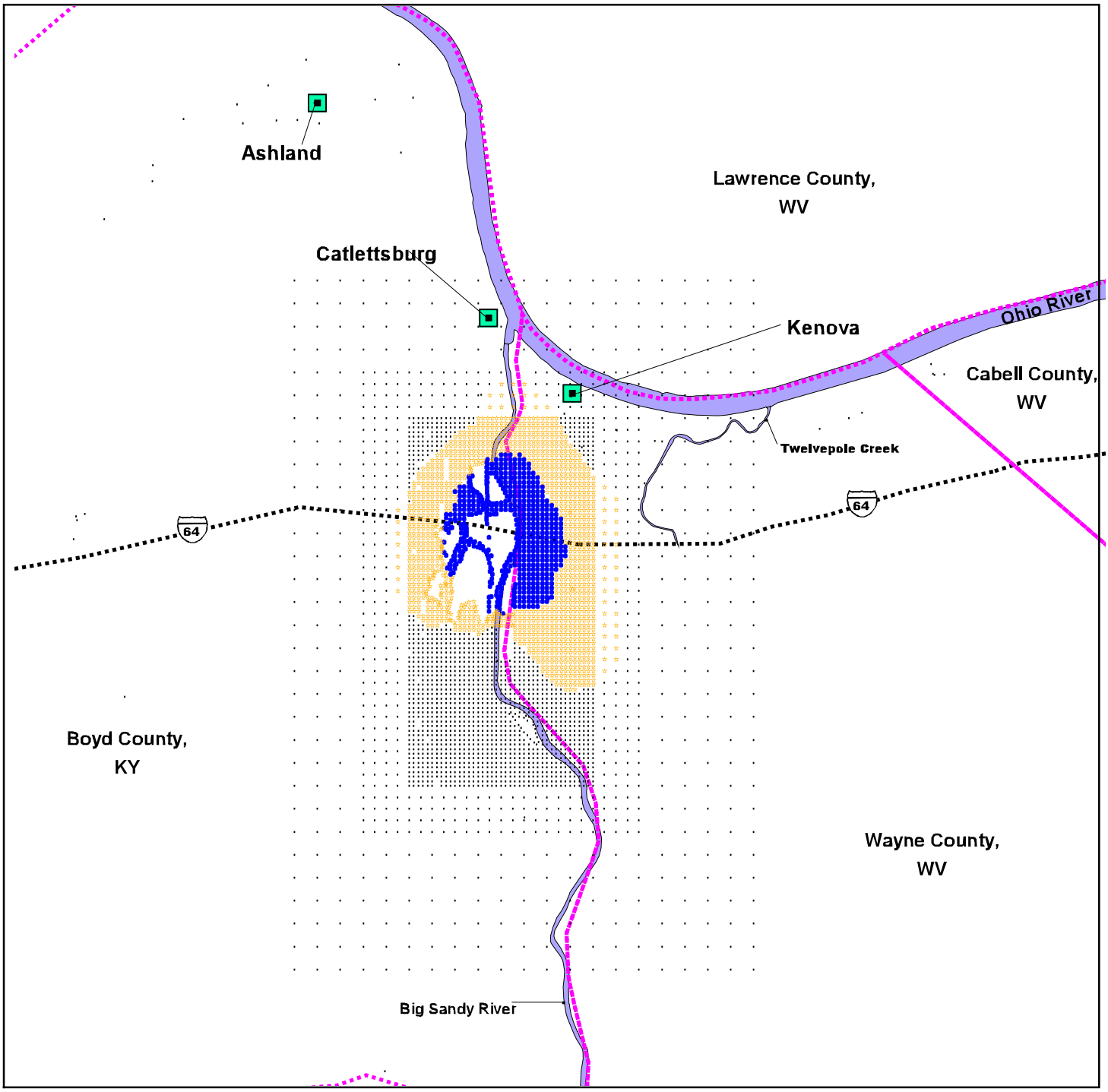
Figure 3-3
Non-Cancer Hazards for the Adult Resident Receptor
Task 1 Data
Reasonable Maximum Exposure

N
W E
S

Scale = 1:125,000

4 0 4 Miles

Task 1 - Adult Noncancer
Prepared by: Gannett Fleming, Inc.



- Risks are greater or equal to 3
- Risks are less than 3, but are greater or equal to 1
- Risks are less than 1

Political Boundaries
Highways

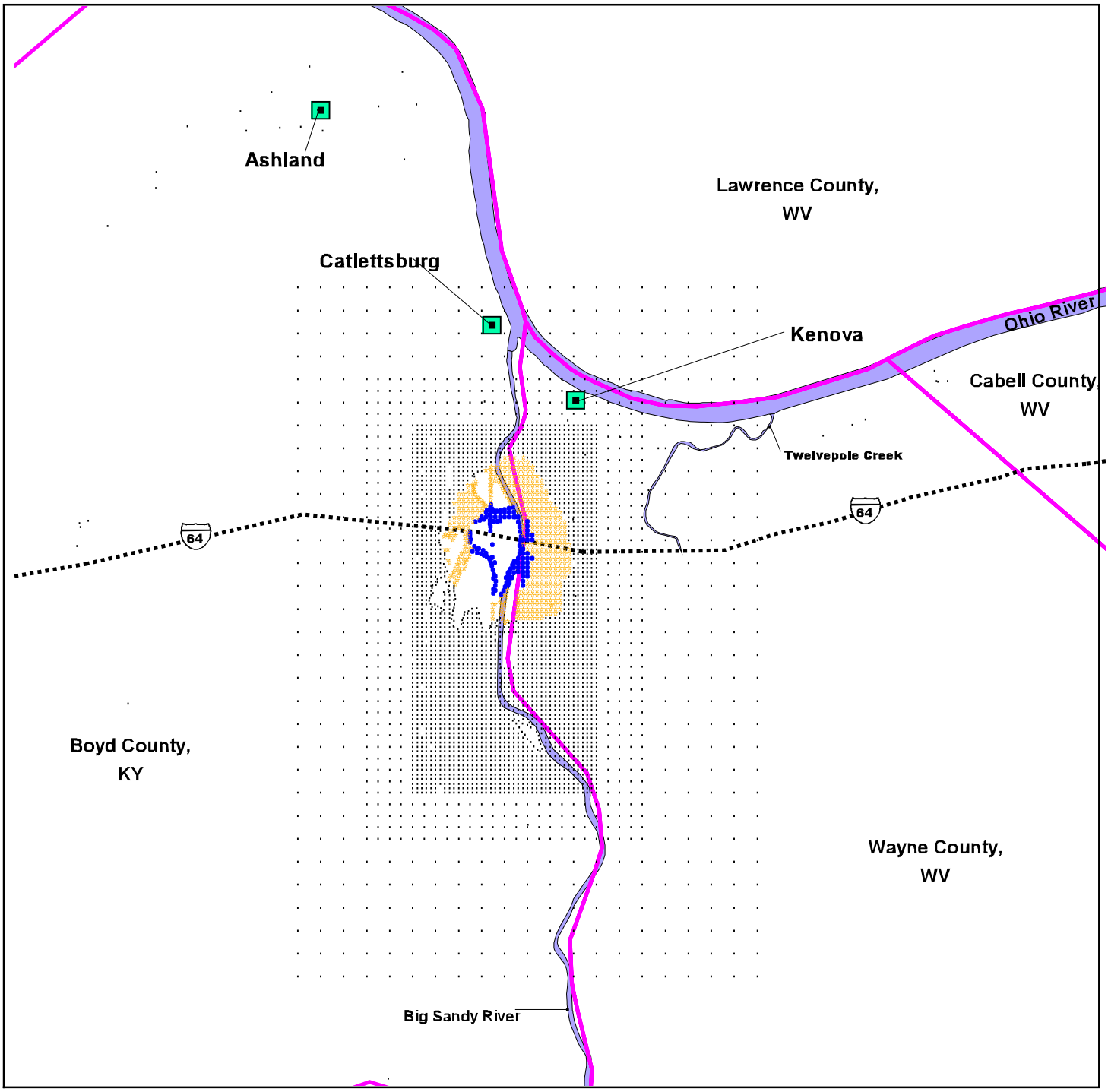
Figure 3-4
Non-Cancer Hazards for the Child Resident Receptor
Task 3 Data
Reasonable Maximum Exposure

N
W E
S

Scale = 1:125,000

4 0 4 Miles

Task 3 - Child Noncancer
Prepared by: Gannett Fleming, Inc.



- Risks are greater or equal to 3
- Risks are less than 3, but are greater or equal to 1
- Risks are less than 1

Political Boundaries
Highways

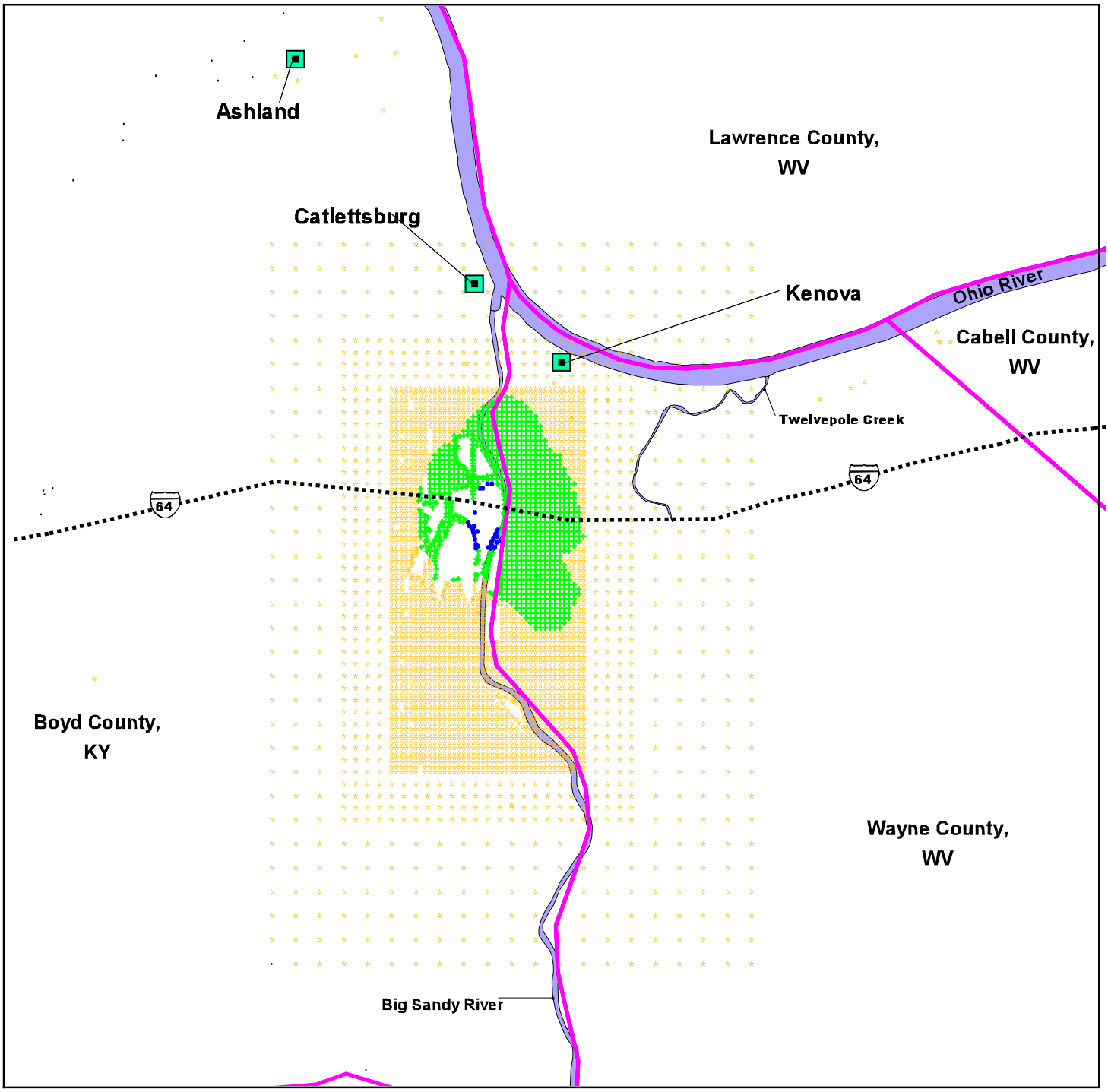
Figure 3-5
Non-Cancer Hazards for the Adult Resident Receptor
Task 3 Data
Reasonable Maximum Exposure

N
W E
S

Scale = 1:125,000

4 0 4 Miles

Task 3 - Adult Noncancer
Prepared by: Gannett Fleming, Inc.



- Risks are greater than or equal to 1E-4
- Risks are between 1E-4 and 1E-5
- Risks are between 1E-5 and 1E-6
- Risks are less than 1E-6

Political Boundaries
Highways

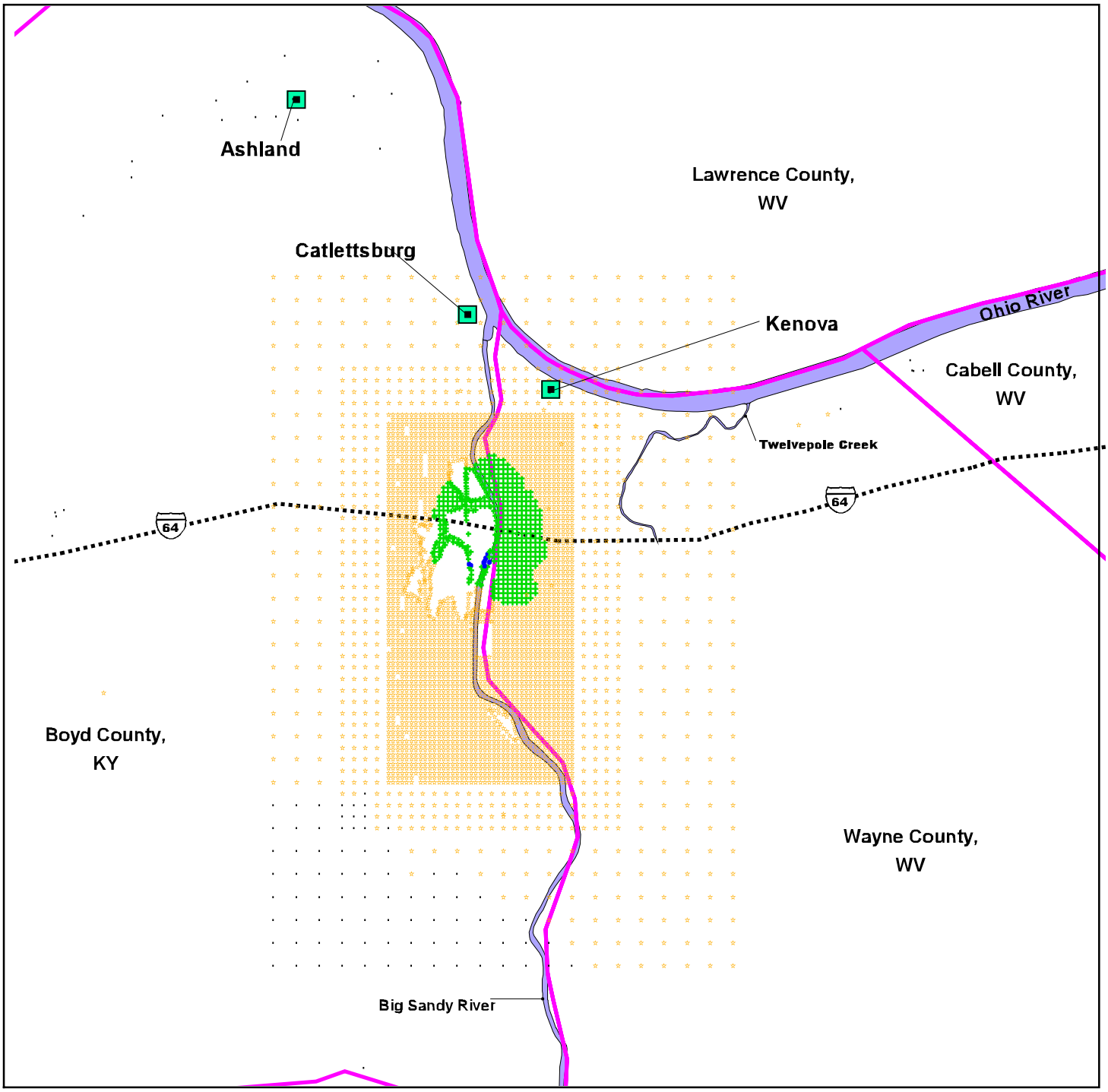
N
W
E
S

Scale = 1:125,000

4 0 4 Miles

Figure 3-6
Cancer Risks for the
Lifetime Resident Receptor
Task 1 Data
Reasonable Maximum Exposure

Task 1 - Lifetime Cancer
Prepared by: Gannett Fleming, Inc.



- Risks are greater than or equal to 1E-4
- Risks are between 1E-4 and 1E-5
- Risks are between 1E-5 and 1E-6
- Risks are less than 1E-6

Political Boundaries
Highways

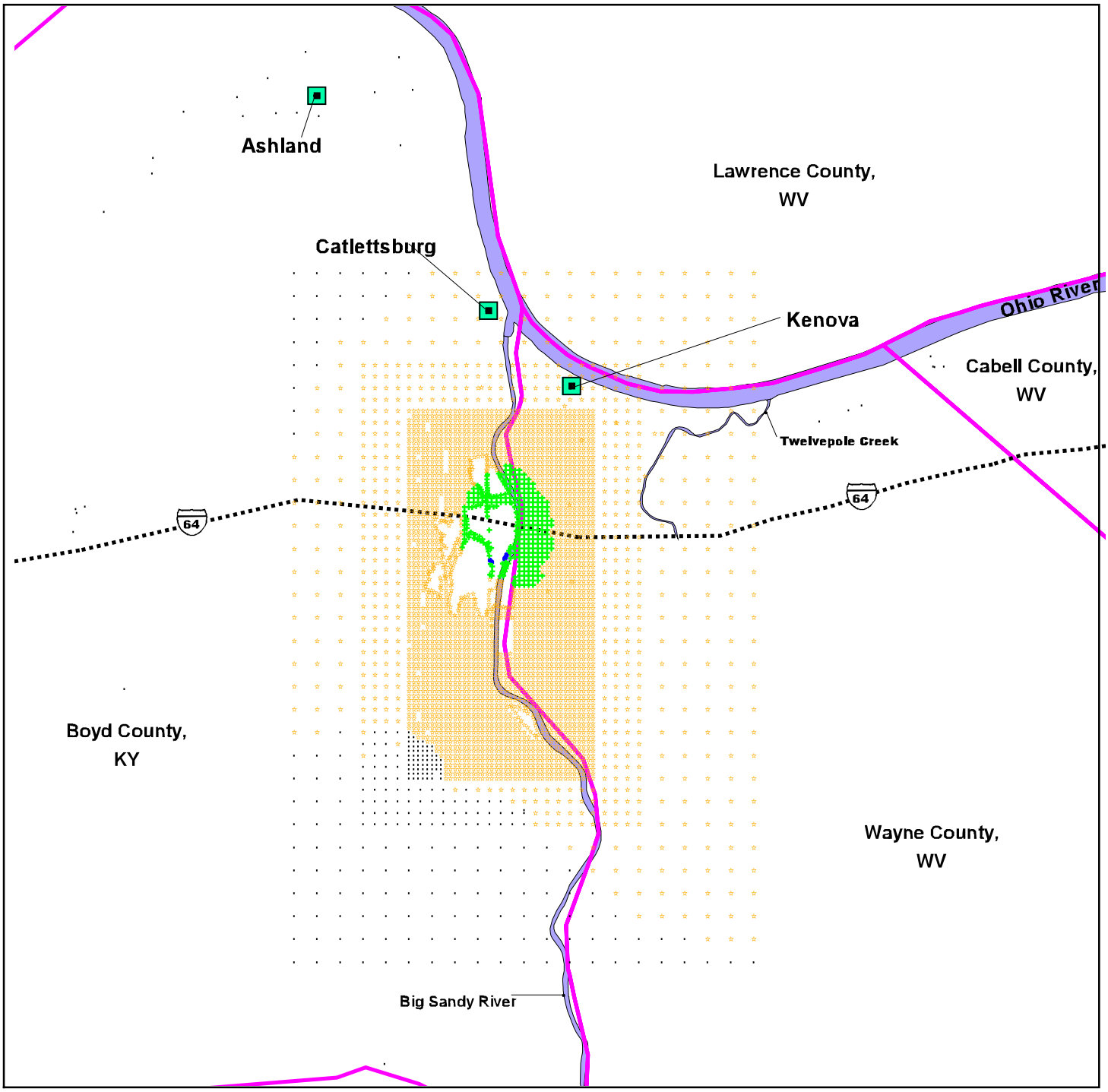
N
W
E
S

Scale = 1:125,000

4 0 4 Miles

Figure 3-7
Cancer Risks for the
Adult Resident Receptor
Task 1 Data
Reasonable Maximum Exposure

Task 1 - Adult Cancer
Prepared by: Gannett Fleming, Inc.



- Risks are greater than or equal to 1E-4
- Risks are between 1E-4 and 1E-5
- Risks are between 1E-5 and 1E-6
- Risks are less than 1E-6

Political Boundaries
Highways

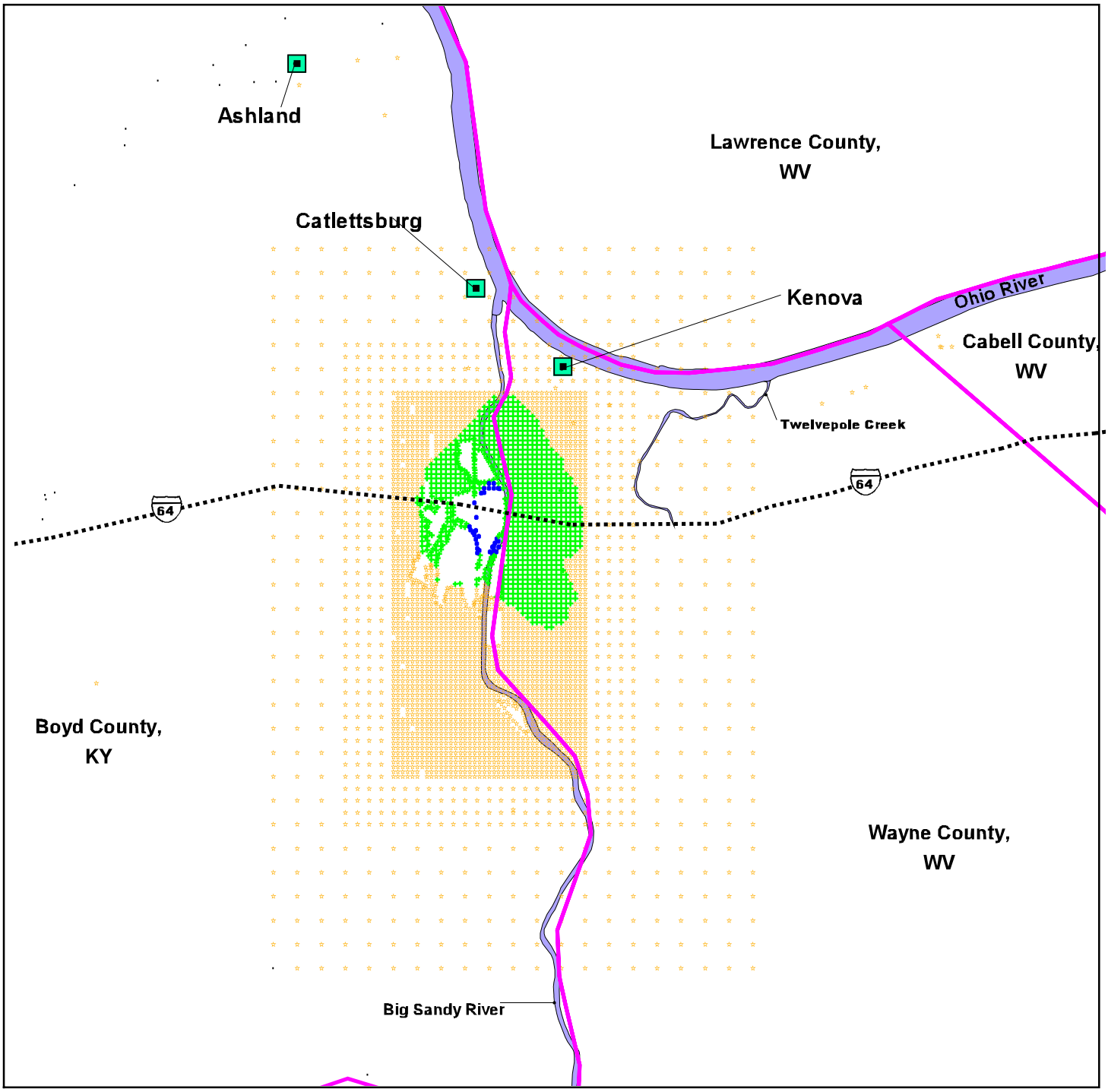
N
W
E
S

Scale = 1:125,000

4 0 4 Miles

Figure 3-8
Cancer Risks for the
Child Resident Receptor
Task 1 Data
Reasonable Maximum Exposure

Task 1 - Child Cancer
Prepared by: Gannett Fleming, Inc.



- Risks are greater than or equal to 1E-4
- Risks are between 1E-4 and 1E-5
- Risks are between 1E-5 and 1E-6
- Risks are less than 1E-6

Political Boundaries
Highways

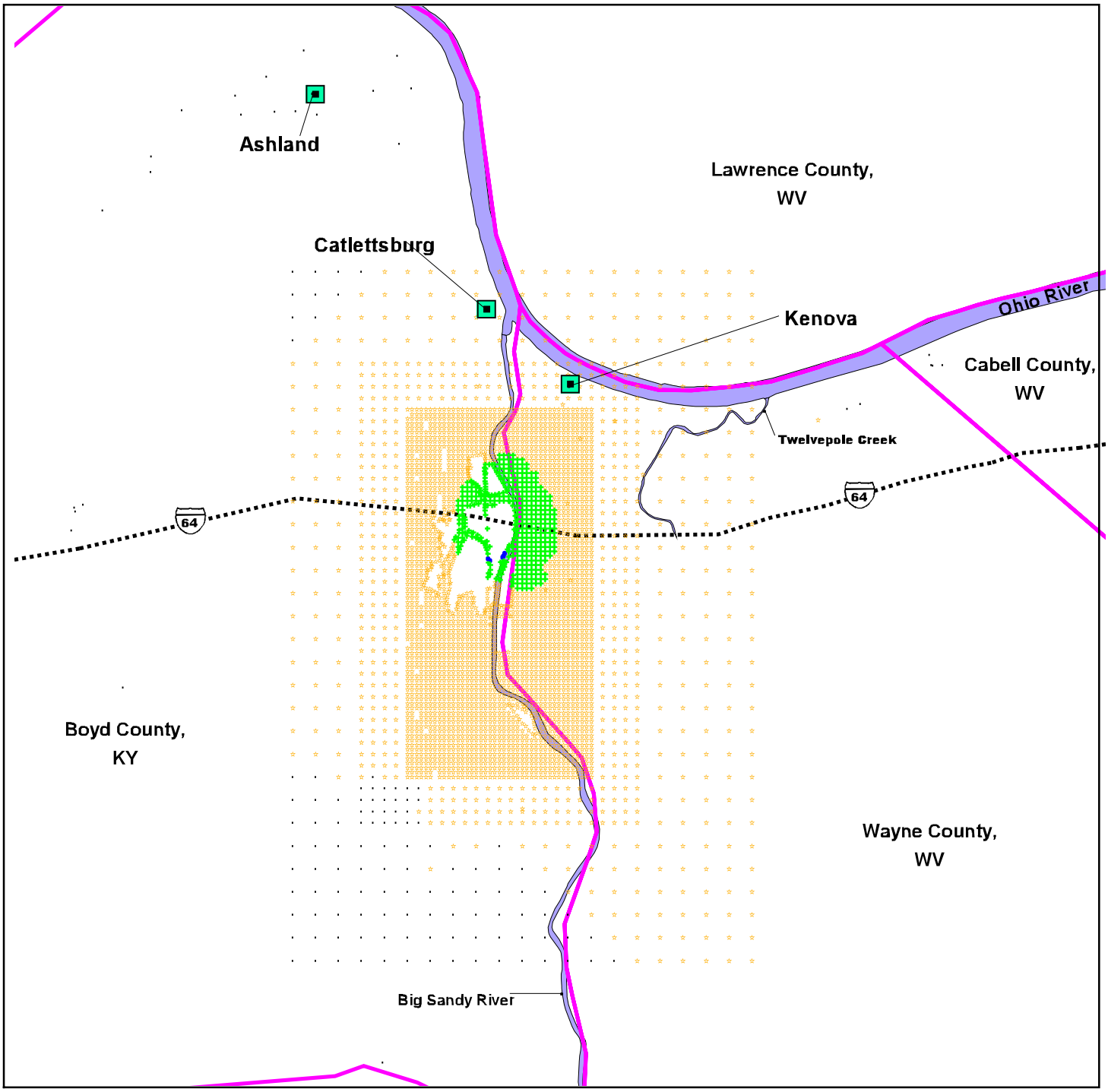
Figure 3-9
Cancer Risks for the
Lifetime Resident Receptor
Task 3 Data
Reasonable Maximum Exposure

N
W E
S

Scale = 1:125,000

4 0 4 Miles

Task 3 - Lifetime Cancer
Prepared by: Gannett Fleming, Inc.



- Risks are greater than or equal to 1E-4
- Risks are between 1E-4 and 1E-5
- Risks are between 1E-5 and 1E-6
- Risks are less than 1E-6

Political Boundaries
Highways

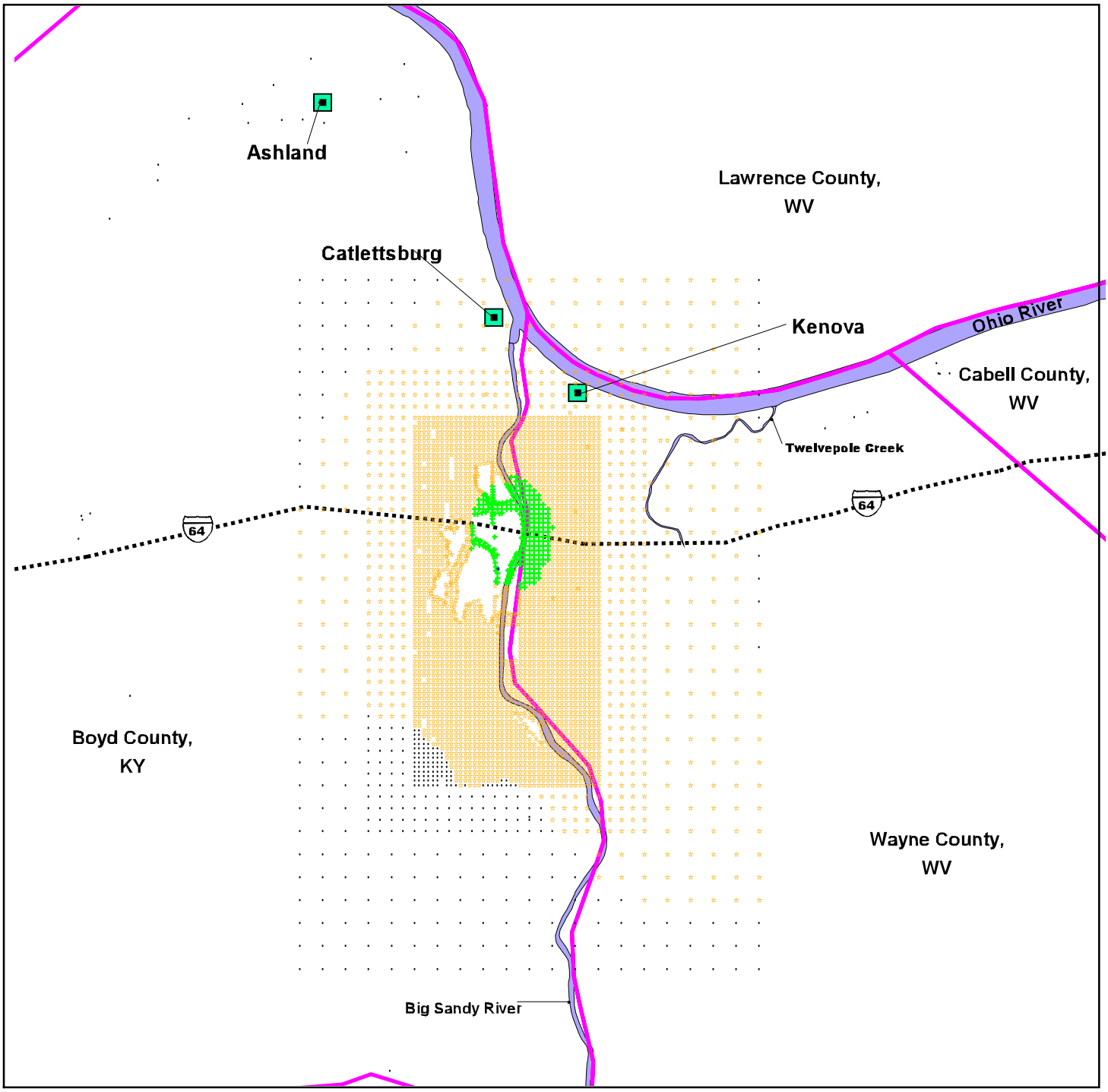
N
W
E
S

Scale = 1:125,000

4 0 4 Miles

Figure 3-10
Cancer Risks for the
Adult Resident Receptor
Task 3 Data
Reasonable Maximum Exposure

Task 3 - Adult Cancer
Prepared by: Gannett Fleming, Inc.



- Risks are greater than or equal to 1E-4
- Risks are between 1E-4 and 1E-5
- Risks are between 1E-5 and 1E-6
- Risks are less than 1E-6

Political Boundaries
Highways

N
W
E
S

Scale = 1:125,000

4 0 4 Miles

Figure 3-11
Cancer Risks for the
Child Resident Receptor
Task 3 Data
Reasonable Maximum Exposure

Task 3 - Child Cancer
Prepared by: Gannett Fleming, Inc.

4.0 HUMAN HEALTH ACUTE EFFECTS ANALYSIS

The assessment presented in Section 4 evaluates the potential health risks resulting from long-term (chronic) exposure to airborne toxicants. The risk analyses used an estimate of the one hour annual average concentrations to which residents are exposed to make these risk estimates since the annual average is more representative of long term exposures than the individual sampling events from which the average is derived.

Health effects that humans may experience due to short-term (acute) exposures to elevated levels of airborne contaminants can vary significantly from those experienced after long-term exposure to low doses, depending on the contaminant and its concentration. For example, a chemical that produces an increase in cancer rates after exposure to low concentrations for a long period of time (a chronic effect) might also cause immediate and severe eye irritation if present at high levels for a short period of time (an acute effect).

This portion of the risk assessment will evaluate the potential for adverse effects from acute exposures using the modeling results. The acute screening analysis using modeling results are presented for three (3) separate tasks: *Task 1* involved modeling to determine maximum one-hour concentrations of the selected chemicals. *Task 2* involved modeling for ten (10) separate "worst case" predicted episodes. Modeling for the ten (10) episodes was performed to determine both the maximum one hour concentration and maximum 24-hour average concentration for each chemical in each episode. *Task 3* involved modeling to determine maximum annual one-hour concentrations of the selected chemicals

4.1 INTRODUCTION

Hazardous substances are routinely released to the environment as the result of predictable (planned) continuous and intermittent releases from industrial facilities. However, facility and other non-facility releases (e.g., mobile source emissions from cars and trucks) may fluctuate considerably, with the result that daily and hourly maximum and minimum concentrations can

vary widely. Due to these changing releases, surrounding populations may, at times, be exposed to relatively high concentrations of airborne toxicants even though the annual average of all these fluctuating concentrations may be relatively low. Since the health effects resulting from short term exposure to high concentration spikes can be considerably different from the health effects seen for exposures to relatively lower doses over a long period of time, it is necessary to evaluate the potential for acute health effects separately from chronic health effects. For the purpose of this evaluation, an acute exposure was defined as an independent, intermittent exposure event occurring up to no more than 24-hours in duration.

It should be noted that emergency or accidental releases may also present acute health risks to surrounding populations. However, this type of exposure is likely to be rare and to occur at much higher concentrations than would be expected due to the day-to-day fluctuations of the Kenova Industrial Cluster sources. As such, emergency/accidental releases were not explicitly evaluated in this assessment.

To determine the potential for adverse health effects to occur from short-term exposure to elevated levels of airborne contaminants, each modeled result from this study was compared to an acute health-based screening value, if available. Because this is a screening-level evaluation of potential acute health effects, it was assumed that if a contaminant exceeded the screening criteria then there was a potential for adverse human health effects. A complete description of the acute screening values and their associated application is found in Sections 4.2 and 4.3.

4.1.1 Objectives

This evaluation focuses on the potential for acute health effects to occur from short-term exposure to elevated levels of airborne contaminants within the Kenova Industrial Cluster airshed. Specifically, the modeled data from Task 1, Task 2 (Episodes 1-10) and Task 3 were assessed for the potential to cause non-carcinogenic acute health effects for the locations and times sampled.

This evaluation does not consider carcinogenic effects resulting from acute exposures. For most chemicals, there are insufficient data to reasonably support these estimations in view of the many uncertainties related to extrapolation from long-term to short-term exposures and other factors such as mechanism of action, metabolism, promotional activity, and threshold effects (USEPA 1993). Instead, the potential for chemicals modeled in the Kenova Industrial Cluster airshed to result in cancer outcomes has been evaluated in the chronic exposure risk assessment (Section 3).

4.2 METHODOLOGY USED IN THE ACUTE EVALUATION

EPA has not developed a rigorous methodology for evaluating routine acute exposures to airborne contaminants by the general population. In the absence of such guidance, this assessment relies on the modeled data collected in the Kenova Industrial Cluster air modeling program along with a reasonably conservative methodology that uses existing health criteria to evaluate the potential for acute adverse effects to occur in area residents. The data used in this evaluation and the methodology for evaluating these concentrations is described below.

4.2.1 General Approach

To determine the potential for adverse health effects to occur from short-term exposure to elevated levels of airborne contaminants, each of the modeled results in this study was compared to an acute health-based screening value, if available. Because this is a screening-level evaluation of potential acute health effects, it was assumed that if a contaminant exceeded the screening criteria then there was a potential for adverse human health effects.

4.2.2 Data Used in this Analysis

As discussed in Section 2.0, air modeling was conducted for the Kenova Industrial Cluster study area for July 1996 through June 1997 period, in order to evaluate the potential for health effects to occur in area residents through inhalation of airborne toxicants. Data suitable for acute risk evaluation included the maximum annual 1 hour chemical concentration data generated in both

Tasks 1 and 3. In addition, data suitable for acute risk evaluation was also generated in Task 2 of the modeling project (USEPA Region 5, 2000) and included both maximum 1 hour concentration and maximum average 24 hour chemical concentration data generated for each episode. All Tasks developed modeling data for 4022 locations included 40 special receptor locations. Special receptor locations coincided with six of the air monitoring locations used in the *Tri-State Geographic Initiative Air Monitoring Risk Assessment,* (USEPA 2000b).

4.2.3 Periodicity and Length of Exposure

USEPA views intermittent exposure as exposure lasting less than 24 hours and occurring no more frequently than monthly (USEPA 1994). This assumes that an acute exposure is at least 10 times higher than a monthly average and that individual exposures are independent of one another. USEPA has also pointed out that very few chemicals will have enough data to determine a safe periodicity of an acute exposure. As such, each modeled data point collected during this investigation was evaluated as a single, independent exposure (although simultaneous exposure to multiple chemicals in any given modeled data point was considered - see below). Task 2, 24 hour modeled data, were evaluated with the assumption that a person would be exposed to the modeled concentration for no more than 24 hours. One hour modeled data were evaluated with the assumption that a person would be exposed to the concentration for no more than 1 hour.

4.2.4 Sources of Acute Health-Based Screening Values

With few exceptions there is no simple or widely accepted method for estimating the risks of routine short-term exposures to elevated concentrations of most toxic chemicals found in ambient air. As such, there are no uniformly accepted short-term air action levels for the majority of emissions from facilities and other common emission sources such as area sources. Instead, concentrations of chemicals protective of acute exposures have been established using a variety of differing methodologies. For example, occupational exposure limits are sometimes used to develop exposure values (acute and chronic) for protection of the general public. Such values are

usually generated by dividing the occupational number by safety factors that can range from 4.2 to as great as 1,000 or more. The concept behind such safety factors is to account for differences between workers, for which the standards were developed, and residents, for which they were not (USEPA 1993).

Some of the more widely used candidates for acute effects analysis include (USEPA 1991; OEHHA 1999):

State Guidelines

- California Environmental Protection Agency Acute Reference Exposure Levels (California RELs) for Airborne Toxicants

Occupational Guidelines

- American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value-Time Weighted Average (TLV-TWA)
- ACGIH Short-Term Exposure Limits (STELs)
- Occupational Safety and Health Administration (OSHA) Permissible Exposure Limits (PELs)
- National Institute of Occupational Safety and Health (NIOSH) Immediately Dangerous to Life and Health (IDLH) Values
- ACGIH Threshold Limit Values - - Ceiling (TLV-C)
- NIOSH Recommended Exposure Limits (RELs)

Emergency Guidelines

- National Academy of Science (NAS) Emergency Exposure Guidance Levels (EEGLs)
- American Industrial Hygiene Association Emergency Response Planning Guidelines (ERPGs)
- NAS Short-term Public Emergency Guidance Levels (SPEGLs)
- USEPA Acute Emergency Guidance Levels (AEGLs)
- National Research Council Community Emergency Exposure Levels (CEELs)

Other Guidelines

- USEPA Air Pollution Warning Levels
- USEPA Levels of Concern
- ATSDR Minimal Risk Levels (MRLs) for acute exposure

Tables 4-1.1 and 4-1.2 provide a complete listing of the sources of airborne screening values that were considered for use in this evaluation. Included in each table is a brief description of the intended use of each of these criteria and a summary of acceptance or rejection of the values for use in evaluating the Kenova Industrial Cluster modeled data.

4.2.5 Discussion of Acute Health-Based Screening Values

Unlike the screening values developed to evaluate chronic exposures, only a limited number of benchmarks for acute inhalation exposures have been developed at this time for non-emergency acute exposures. The following sections contain brief descriptions of the acute screening values which were utilized in this acute exposure evaluation. These values have been selected based on input from personnel at EPA's National Center for Environmental Assessment (Strickland 2000, pers. comm.).

4.2.5.1 California Reference Exposure Levels (RELs)

The California Environmental Protection Agency's (Cal EPA) Office of Environmental Health Hazard Assessment (OEHHA) has developed acute Reference Exposure Levels (RELs) for evaluating exposure to a limited number of airborne toxicants. OEHHA defines the acute REL as "an exposure that is not likely to cause adverse effects in a human population, including sensitive subgroups, exposed to that concentration for one hour on an intermittent basis" (OEHHA 1998). RELs are based upon the most sensitive, relevant, adverse health effect reported in the medical and toxicological literature. RELs are designed to protect the most sensitive individuals in the population by the inclusion of margins of safety. Since margins of safety are incorporated to address data gaps and uncertainties, exceeding the REL does not automatically indicate an adverse health impact.

RELs were developed by first prioritizing chemicals to be evaluated. A literature search was then conducted of the selected contaminants. As part of the literature review, existing standards were identified and evaluated. If the existing standard was determined to be acceptable, it was adopted as the REL. However, most of the available standards were determined to be unacceptable, and the RELs were developed *de novo* from the medical and toxicological literature.

RELs were developed from the primary literature by selecting the best studies with emphasis on those using human data. These studies were used to estimate a threshold level for no affect (a no observed adverse effect level or NOAEL). A NOAEL can be defined as "an exposure level with no biologically and/or statistically significant increase in the frequency or severity of adverse effects among an exposed population relative to a control group" (OEHHA 1998). Adjustments were made to the NOAELs to allow for comparison to one-hour exposures. Uncertainties in the data were then accounted for by applying safety factors to ensure that the REL values were sufficiently conservative. For example, if the NOAEL is based upon a study involving animals, an uncertainly factor of 10 may be applied to account for the uncertainty of extrapolating toxicity data from the test species to humans. Similarly, an "interspecies" safety factor is typically used to account for the variability in sensitivity to a toxicant within the general human population. The acute exposure NOAEL is divided by these uncertainty factors to arrive at a derived acute screening value.

The RELs developed by the OEHHA are based upon one-hour exposure durations. This exposure duration was selected in order to be comparable to the sampling and modeling requirements of California regulations.

The available RELs have been developed specifically to evaluate the potential for human health effects from acute exposure of the general population, including sensitive individuals, to routine industrial air emissions. Therefore, the RELs developed by OEHHA were determined to be acceptable for use in this evaluation.

4.2.5.2 Agency for Toxic Substances and Disease Registry Acute Minimum Risk Levels (MRLs)

The Agency for Toxic Substances and Disease Registry (ATSDR) has established airborne contaminant screening concentrations for acute exposure that are similar to the EPA's Reference Concentrations (RfCs) for chronic exposure. The values are derived by extensive review and evaluation of chemical-specific toxicological studies. Similar to Cal RELs, safety (or uncertainty) factors are applied to airborne contaminant concentrations from acute toxicology studies in which a NOAEL has been established. Safety factors are applied to the NOAEL to minimize or correct for uncertainties in the development of the NOAEL value.

The screening concentrations derived by the ATSDR in this manner are called "Minimum Risk Levels" or MRLs, which are published in ATSDR's chemical-specific Toxicological Profiles (ATSDR, 1997). MRLs are derived for acute (1-14 days), intermediate (15-364 days), and chronic (365 days and longer). Only acute MRLs were selected for this screening level evaluation.

4.2.5.3 Environmental Protection Agency Acute Exposure Guidelines Levels (AEGLs)

The National Advisory Committee for Acute Exposure Guideline Levels for Hazardous Substances is developing AEGLs for short-term hazardous chemical exposure information (Federal Register, 1997). These levels have been established for one time only exposures during emergency situations. Three levels of AEGLs have been developed. They are routinely used in evaluations involving the general public.

AEGL values are defined as follows:

AEGL-1 This is the airborne concentration (expressed as ppm or mg/m^3) of a substance at or above which it is predicted that the general population including "susceptible", but excluding "hyper susceptible" individuals, could experience notable discomfort. Airborne concentrations below AEGL-1 represent exposure levels

that could produce mild odor, taste, or other sensory irritations.

AEGL-2 AEGL-2 is the airborne concentration (expressed as ppm or mg/m^3) of a substance at or above which it is predicted that the general population, including "susceptible", but excluding "hyper susceptible" individuals, could experience irreversible or other serious, long-lasting effects or impaired ability to escape. Airborne concentrations below the AEGL-2, but at or above AEGL-1, represent exposure levels that may cause notable discomfort.

AEGL-3 AEGL-3 is the airborne concentration (expressed as ppm or mg/m^3) of a substance at or above which it is predicted that the general population, including "susceptible", but excluding "hyper susceptible" individuals, could experience life-threatening effects or death. Airborne concentrations below AEGL-3, but at or above AEGL-2, represent exposure levels that may cause irreversible or other serious, long lasting effects or impair a person's ability to escape.

AEGLs for some but not all chemicals have been established for four different exposure periods: 30 minutes, 1 hour, 4 hours and 8 hours.

4.2.5.4 American Industrial Hygiene Association Emergency Response Planning Guidelines (ERPGs)

ERPGs are developed by the American Industrial Hygiene Association's Emergency Response Planning Committee (AIHA, 1999). Similar to the AEGLs, ERPGs are useful as guidelines for emergency planning involving release of chemical materials. As with AEGLs, three levels of ERPGs have been developed:

ERPG-1 The maximum concentration in air below which it is believed nearly all individuals could be exposed for up to one hour without experiencing other than mild transient adverse health effects or perceiving a clearly defined objectionable odor;

ERPG-2 The maximum concentration in air below which it is believed that nearly all

individuals could be exposed for up to one hour without experiencing or developing irreversible or other serious health effects or symptoms that could impair their abilities to take protective action;

ERPG-3 The maximum concentration in air below which it is believed nearly all individuals could be exposed for up to one hour without experiencing or developing life-threatening health effects.

4.2.5.5 Department of Energy Temporary Emergency Exposure Limits (TEELs)

TEELs are recently developed values based on statistical extrapolations from the literature on the toxicity of each chemical in question. TEELs may be found on the web at (http://www.scapa.bnl.gov). TEELs are interim values developed for use in the absence of ERPGs and are considered to be stop gap values to be used in emergency exposure situations.

DOE Temporary Emergency Exposure Limits (TEELs) are defined as follows:

TEEL-0 The threshold concentration below which most people will experience no appreciable risk of health effects;

TEEL-1 The maximum concentration in air below which it is believed nearly all individuals could be exposed without experiencing other than mild transient adverse health effects or perceiving a clearly defined objectionable odor.

TEEL-2 The maximum concentration in air below which it is believed nearly all individuals could be exposed without experiencing or developing irreversible or other serious health effects or symptoms that could impair their abilities to take protective action;

TEEL-3 The maximum concentration in air below which it is believed nearly all individuals could be exposed without experiencing or developing life-threatening health effects.

TEELs have been established utilizing existing toxicity data published for ERPGs, AEGLs and

any other published toxicity data. Published data pertaining to TEELs recommends that TEELs be compared to peak 15-minute time weighted average concentrations.

4.2.5.6 National Research Council - Community Emergency Exposure Levels (CEELs) and Short-Term Public Exposure Guidance Levels (SPEGLs)

CEEL guidelines have been developed by the National Research Council Committee on Toxicology. The frame work has been established for developing these emergency response standards, but to date, no CEELs have been established (National Research Council, 1993).

The SPEGLs were also developed by the National Research Council Committee on Toxicology as public exposure guidelines for civilian populations near military bases. Only five SPEGLs have been developed to date, with hydrogen chloride having the only SPEGL established which applies to the Tri-State modeling results (National Research Council, 1986).

4.2.6 Time Adjustment of Acute Screening Values

The data collected during the air sampling of the Kenova Cluster consist of both 1 hour and 24 hour samples and the modeled chemicals in any given sample may not necessarily match the exposure time of the acute benchmark. For example, a chemical may have been modeled in a one hour sample; however the selected benchmark is based on a 24 hour exposure. In such cases it was necessary to adjust the screening values to match the sampling duration.

Haber's Law provides a method for extrapolating a contaminant concentration for a given time period to an equivalent concentration over a different time period. As described by Rinehart and Hatch (1964), Haber's Law states that the product of the concentration (C) and time of exposure (T) required to produce a specific physiologic effect is equal to a constant level or severity of response (K), or:

$$(C) \times (T) = K$$

When the duration of the experimental exposure concentration is different from the desired exposure duration, a modification of Haber's Law may be used to obtain an acute exposure level that is of a different duration from the experimental conditions (OEHHA, 1999):

$$(C^n) \times (T) = K$$

Where n describes the relationship between concentration and exposure duration in determining toxicity.

For example, in cases where n is equal to one, the toxicity of the chemical is equally dependent on concentration and exposure duration. However, when the value of n is less that one, the duration is a greater factor in determining toxicity than the concentration. Values of n that are greater than one indicate that the concentration is a greater determinant of toxicity than exposure duration. When available, chemical-specific values for n were used. Otherwise, default n values developed by OEHHA were used.

OEHHA default values were derived by examining a range of chemicals for which specific n values were available. It was concluded that when extrapolating from a shorter exposure duration to a longer duration, a default value of one should be selected for n (OEHHA, 1999).

According to OEHHA, when extrapolating from a longer exposure duration to a shorter exposure duration, two should be used as the default value for n in the Haber's Law equation. Based on the selected hierarchy of acute screening values (see §4.2.7), there were acute screening values of higher priority in the hierarchy (i.e., TEELs) that did not require an adjustment from longer to shorter exposure duration. Therefore, it was not necessary to make this type of time adjustment in this acute evaluation.

Tables E1 and E2 present the adjusted screening values that were used in this evaluation. For comparison, both the adjusted and unadjusted screening values have been included in the screening tables used to evaluate the sample data for each location.

4.2.7 24 Hour Screening Value Hierarchy

For comparison to 24 hour modeled values, the following hierarchy was used. This hierarchy (and the hierarchy presented below for 1 hour acute screening values) is based on discussions with an expert in acute toxicology at EPA's National Center for Environmental Assessment. A flowchart of the hierarchy described below is presented in Figure 4-1.

1. ATSDR Acute MRLs
2. CAL RELs adjusted to 24 hours using Haber's Law for all chemicals regardless of evaluation endpoints
3. EPA AEGLs (using AEGL-1 which is the LOAEL) adjusted to 24 hours using Haber's Law
4. AIHA ERPGs-1, SPEGLs and CEELs adjusted to 24 hours using Haber's Law

This hierarchy should be read as follows. For evaluation of 24 hours samples, first attempt to use ATSDR Acute MRLs. If no MRL is available, then use CAL RELs adjusted to 24 hour values using Haber's Law. If there is no MRL or CAL REL for a chemical, then use the 8 hour AEGL-1 adjusted to 24 hours using Haber's Law. Finally, if no AEGL is available, use ERPG-1 or SPEGLs adjusted to 24 hours using Haber's Law.

To maintain consistency among the various potential screening values and as a conservative approach, Lowest Observed Adverse Effect Level or LOAEL equivalent values were used for all comparisons. The selection of this level provides for protection from even mild adverse effects and provides protection for "hyper-susceptible" individuals. Based on the definitions for AEGL-1 and ERPG-1 presented above, these values may be considered to represent a or LOAEL. Also, from the definitions, AEGL-1 and ERPG -1 values, appear to be based on similar types of effects, and the use of these values should result in the development of comparable screening values.

DOE Temporary Emergency Exposure Limits (TEELs) were not used to compare to 24 hour

samples. TEELs are interim values developed for use in the absence of ERPGs and are considered to be stop gap values to be used in emergency exposure situations. In addition, TEELs are recommended only for a 15 minute averaging time. Therefore, they were considered to be inappropriate for comparison to 24 hour data.

ATSDR Acute MRLs were considered to be the screening value of choice. ATSDR derives benchmark values for airborne chemicals that are protective of exposures lasting from 24 hour to 2 weeks. Since this averaging time matches the averaging time of the samples collected in the monitoring study, they were used preferentially for screening samples for acute effects.

The acute CAL RELs are derived benchmarks designed to be protective of residential scenarios from routine emissions from industrials facilities. However, they are generally based on a 1-hour averaging time and must be converted to a 24-hour averaging time to be comparable to the samples evaluated in this acute evaluation. As such, they were given a second priority.

EPA AEGLs are emergency planning guidelines and were given a higher priority than other emergency related values because they are more recent values. AEGLs for some chemicals are available for time periods longer than one hour. Where an AEGL was available for a longer time period, this value was used as the basis for calculating screening values to be compared with 24 hour values.

Note that no CEELS have yet been developed for chemicals of interest in this study. CEELS provide the framework for developing public emergency response guidelines, but actual standards are not yet available. Only five SPEGLS have been developed; however, among these five, only hydrogen chloride was modeled for the Tri-State study. According to this hierarchy, the screening value promulgated by CAL EPA for hydrogen chloride would take precedence over the SPEGL for hydrogen chloride.

4.2.8 1-hour Screening Value Hierarchy

For comparison to 1 hour modeled values, the following hierarchy was used. A flowchart of the hierarchy is presented in Figure 4-2.

1. CAL RELs
2. EPA AEGLs-1 (one hour values)
3. AIHA ERPGs-1, CEELs and SPEGLs (one hour values)
4. DOE TEELs-1 (adjusted to one hour values by Haber's Law)
5. ATSDR MRLs (adjusted to one hour values by Haber's Law)

To maintain consistency among the various potential screening values and as a conservative approach, LOAEL equivalent values were used for all comparisons. The selection of this level provides for protection from even mild adverse effects and provides protection for "hyper-susceptible" individuals. Based on the definitions for AEGL-1, ERPG-1 and TEEL-1 presented above, these values may be considered to represent a or LOAEL. Also, from the definitions, AEGL-1, ERPG -1 and TEEL-1 values, appear to be based on similar types of effects, and the use of these values should result in the development of comparable screening values.

The "mildest" level of AEGL, ERPG and TEEL were utilized in this hierarchy because the specific definitions allow for direct comparison. In this manner, the selection of the "mildest" level provides for protection from even mild adverse effects and provides protection for "hyper-susceptible" individuals. As discussed in the 24-hour hierarchy, use of the AEGL, ERPG and TEEL (though TEEL is specific to the 1-hour hierarchy) provides for a level selected which represents an LOAEL. Additionally, selection of these "mildest" levels protects even "hyper-susceptible" individuals from suffering mild effects after exposure to the specific contaminants.

CAL RELs are one hour values and were used with no modification. Where results for RELs were based on developmental or reproductive endpoints, these RELs were applied directly with no adjustment for time period of exposure. Typically, studies with these endpoints used a 4 to 8 hour exposure period. However, uncertainty exists in the actual time period needed to accumulated a dose resulting in a developmental or reproductive effect. Therefore, as a conservative measure these RELs were not adjusted.

Three levels of AEGLs and ERPGs are available. AEGL-1 and ERPG-1 were used in this evaluation. In addition, AEGLs are available for different exposure periods. For evaluation of one hour results, all comparisons were performed using AEGLs developed on a one hour exposure basis.

As discussed for the acute evaluation of 24 hour samples, SPEGLs were considered in this hierarchy but it was not necessary to use these values in this evaluation since values with higher priority were available for use in the acute evaluation.

As discussed in Section 4.2.5, DOE TEELS are published and are available for reference in this acute air modeling study. Based on the definitions found in Section 4.2.5 and the intended use for TEELs, these values appeared to be suitable for use in the 1-hour evaluation, with TEEL-1 best matching the goals of this analysis. These values are developed based on a 15 minute exposure period. TEELs were adjusted to one hour values using Haber's Law.

ATSDR MRLs are considered in this hierarchy. However, because of the large number of TEELs available no MRLs needed to be used in this evaluation.

4.3 SUMMARY OF MODELED RESULTS

The results for each modeled event were compared to their respective health-based screening levels for one-hour exposures or 24-hour exposures. A complete list of the 24-hour and one-hour acute screening values can be found in Appendix E, Tables E-1 and E-2. Data modeled for one-hour periods were compared to one-hour screening values. Data modeled for 24-hour periods were compared to 24-hour screening values. A complete description of the screening value selection has been provided in Section 4.2.. When the maximum modeled concentration of a contaminant for all receptor locations exceeded the selected acute exposure screening value, a ratio of the modeled concentration to its screening value was calculated. This information is intended to quantify the magnitude of the exceedance. Similar to chronic hazard quotients, it should not be assumed that the magnitude of the potential acute effect, if any, from exposure to a

chemical which exceeds its acute screening criterion is directly correlated with the screening value exceedance quotient. The equation for the calculated "*acute hazard quotient*" is presented below:

$$HQacute = \frac{[chemical]}{[benchmark]acute}$$

The purpose of air modeling conducted to evaluate the air quality of the Tri-State Geographic Initiative was to evaluate the impacts of four facilities: the Ashland Petroleum Company, the Ashland Chemical Company, the Aristech Chemical Company and the Calgon Carbon Corporation. Modeling results were reported in the *Final Report of the Application of CALMET and CALPUFF to Assess Toxic Emissions from the Kenova Industrial Cluster Facilities Conducted in Support of the Tri-State Geographic Initiative* prepared by Earth Tech, Inc. for USEPA Region 5 (USEPA Region 5, 2000).

Data from the modeled Tasks were screened against the one hour and 24-hour screening values. The modeling occurred over a full year period and was conducted in three distinct tasks:

- Task 1 assumed the maximum emission rate at each of the four facilities is constant throughout the year.
- Task 2 used variable daily emissions for each source at each facility over ten distinct short-term episode periods.
- Task 3 used variable daily emissions for each source at each facility for the entire modeling period, i.e. a whole year.

The results are summarized by separate Task and Episode in Sections 4.3.1 through 4.3.3. A total of 40 special receptor locations were selected for inclusion in this modeling effort. These special receptor locations represented locations where individuals who may potentially be more susceptible to the health effects of pollution might reside or attend school. For example, child

care centers, elementary and high schools, and nursing homes have been included in the special receptor modeling effort. Special receptor locations coincided with six of the air monitoring locations used in the *Tri-State Geographic Initiative Air Monitoring Risk Assessment,* (USEPA 2000b).

4.3.1 Task 1

As described above, Task 1 modeling efforts assumed the maximum emission rate at each of the facilities (with the exception of Ashland Petroleum) was constant throughout the year. Task 1 modeling was conducted for determining the maximum one-hour ambient concentration for the individual contaminants. The modeled data were compared to the screening values, as presented in Section 4.2.8. From the comparison of the modeled data to the screening values, it was determined that modeled concentrations for three contaminants exceeded the selected acute screening value: arsenic, benzene and nickel. No exceedances occurred at special receptor locations. Table 4-2 summarizes the number of modeled values that exceeded the screening criteria for each contaminant. Figure 4-3 presents the locations of the modeled exceedances for the three contaminants.

4.3.2 Task 2

Task 2 modeling used variable daily emissions for each source at each facility as input to the model over ten distinct short-term episode periods. This episodic modeling was conducted for determining the maximum one-hour and maximum 24-hour average concentrations for individual contaminants. The episodes were selected using a variety of data that may reflect days with elevated constituents as described in *Application of CALMET and CALPUFF to Assess Toxic Emissions from the Kenova Industrial Cluster Facilities Conducted in Support of the Tri-State Geographic Initiative* (USEPA Region 5, 2000). The modeled data for the separate episodes was compared to the appropriate screening value, as presented in Sections 4.2.7 and 4.2.8.

4.3.2.1 Task 2 Episode 1

Modeling for Episode One was conducted for the period of August 27-28, 1996. From the comparison of the modeled data for the 24-hour screening values, it was determined that modeled concentrations for three contaminants exceeded the selected acute screening value: arsenic, benzene and nickel. For the one hour modeling results, it was determined that modeled concentrations for two contaminants exceeded the selected acute screening value: arsenic and benzene. No exceedances occurred at special receptor locations. Tables 4-3 and 4-4 summarize the number of exceedances. Figures 4-4 and 4-5 present the locations of the modeled exceedances for both the one-hour and 24-hour modeling periods.

4.3.2.2 Task 2 Episode 2

Modeling for Episode 2 was conducted for the period of September 5-9, 1996. From the comparison of the modeled data to the screening values, it was determined that modeled concentrations for three contaminants exceeded the selected acute screening value: arsenic, benzene and nickel. No exceedances occurred at special receptor locations. Tables 4-5 and 4-6 summarize the number of exceedances. It should be noted that the three contaminants exceeded the screening criteria for both the one-hour and 24-hour modeling periods. Figures 4-6 and 4-7 present the locations of the modeled exceedances for both the one-hour and 24-hour periods.

4.3.2.3 Task 2 Episode 3

Modeling for Episode 3 was conducted for the period of November 13-19, 1996. From the comparison of the modeled data to the screening values, it was determined that modeled concentrations for three contaminants exceeded the selected acute screening value: arsenic, benzene and nickel. No exceedances occurred at special receptor locations. Tables 4-7 and 4-8 summarize the number of exceedances. It should be noted that the three contaminants exceeded the screening criteria for both the one-hour and 24-hour modeling periods. Figures 4-8 and 4-9 present the locations of the modeled exceedances for both the one-hour and 24-hour periods.

4.3.2.4 Task 2 Episode 4

Modeling for Episode 4 was conducted for the period of December 12-17, 1996. From the comparison of the modeled data to the screening values, it was determined that modeled concentrations for three contaminants exceeded the selected acute screening value: arsenic, benzene and nickel. No exceedances occurred at special receptor locations. Tables 4-9 and 4-10 summarize the number of exceedances. It should be noted that the three contaminants exceeded the screening criteria for both the one-hour and 24-hour modeling periods. Figures 4-10 and 4-11 present the locations of the modeled exceedances for both the one-hour and 24-hour periods.

4.3.2.5 Task 2 Episode 5

Modeling for Episode 5 was conducted for the period of January 23-28, 1997. From the comparison of the modeled data to the screening values, it was determined that 24-hour modeled concentrations for three contaminants exceeded the selected acute screening value: arsenic, benzene and nickel. For the one-hour modeling, it was determined that modeled concentrations for two contaminants exceeded the selected acute screening value: arsenic and benzene. No exceedances occurred at special receptor locations. Tables 4-11 and 4-12 summarize the number of exceedances. Figures 4-12 and 4-13 present the locations of the modeled exceedances for both the one-hour and 24-hour periods.

4.3.2.6 Task 2 Episode 6

Modeling for Episode 6 was conducted for the period of February 6-11, 1997. For the one-hour modeling, it was determined that modeled concentrations for two contaminants exceeded the selected acute screening value: arsenic and nickel. For the 24-hour modeling, three contaminants exceeded the selected acute screening value: arsenic, benzene and nickel. No exceedances occurred at special receptor locations. Tables 4-13 and 4-14 summarize the number of exceedances. Figures 4-14 and 4-15 present the locations of the modeled exceedances for both the one-hour and 24-hour periods.

4.3.2.7 Task 2 Episode 7

Modeling for Episode 7 was conducted for the period of February 26-28, 1997. For the one-hour modeling, it was determined that modeled concentrations for three contaminants exceeded the selected acute screening value: arsenic, benzene and nickel. For the 24-hour modeling, two contaminants exceeded the selected acute screening value: arsenic and benzene. No exceedances occurred at special receptor locations. Tables 4-15 and 4-16 summarize the number of exceedances. It should be noted that the three contaminants exceeded the screening criteria for both the one-hour and 24-hour modeling periods. Figures 4-16 and 4-17 present the locations of the modeled exceedances for both the one-hour and 24-hour periods.

4.3.2.8 Task 2 Episode 8

Modeling for Episode 8 was conducted for the period of April 16-22, 1997. From the comparison of the modeled data to the acute screening values, it was determined that three contaminants exceeded the selected acute screening value: arsenic, benzene and nickel. No exceedances occurred at special receptor locations. Tables 4-17 and 4-18 summarize the number of exceedances. It should be noted that the three contaminants exceeded the screening criteria for both the one-hour and 24-hour modeling periods. Figures 4-18 and 4-19 present the locations of the modeled exceedances for both the one-hour and 24-hour periods.

4.3.2.9 Task 2 Episode 9

Modeling for Episode 9 was conducted for the period of June 5-7, 1997. For the one-hour modeled data, it was determined that modeled concentrations for two contaminants exceeded the selected acute screening value: arsenic and nickel. Exceedances for the 24-hour modeling included arsenic, benzene and nickel. No exceedances occurred at special receptor locations. Tables 4-19 and 4-20 summarize the number of exceedances. Figures 4-20 and 4-21 present the locations of the modeled exceedances for both the one-hour and 24-hour periods.

4.3.2.10 Task 2 Episode 10

Modeling for Episode 10 was conducted for the period of June 22-26, 1997. From the comparison of the modeled data to the screening values, it was determined that modeled concentrations for three contaminants exceeded the selected acute screening value: arsenic, benzene and nickel. Concerning the special receptor locations, a modeled result for nickel concentration slightly exceeded the 24 hour acute screening value at the Corn Field Special Receptor Monitoring Location in West Virginia. This exceedance was the only exceedance at a Special Receptor Locations for Episode 10 and for all other episodes. Tables 4-21 and 4-22 summarize the number of exceedances. It should be noted that the three contaminants exceeded the screening criteria for both the one-hour and 24-hour modeling periods. Figures 4-22 and 4-23 present the locations of the modeled exceedances for both the one-hour and 24-hour periods.

4.3.3 Task 3

Task 3 used variable daily emissions for each source at each facility for the entire modeling period (i.e., July 1996 though June 1997). The modeled data was compared to the screening values, as presented in Section 4.2.8. From the comparison of the modeled data to the screening values, it was determined that modeled concentrations for three contaminants exceeded the selected acute screening value: arsenic, benzene and nickel. No exceedances occurred at special receptor locations. Table 4-23 summarizes the number of exceedances. Figure 4-24 presents the locations of the modeled exceedances for the three contaminants.

4.4 DISCUSSION OF ACUTE EVALUATION

Of the modeled contaminants, three were determined to exceed the selected screening levels. The contaminants that exceed their selected acute screening values were arsenic, benzene and nickel. Therefore, exposure to these contaminants may be a human health concern at the modeled locations (see Uncertainties, Section 4.5). The sources of acute screening value used for the comparison to the 24 hour modeled results were as follows:

arsenic - CAL REL

benzene - ATSDR MRL

nickel - CAL REL

The sources of acute screening value used for comparison to the one hour modeled results were as follows:

arsenic - CAL REL

benzene - CAL REL

nickel - CAL REL

Table 4-24 provides a ratio of the maximum modeled concentrations to the selected acute screening levels for the three tasks. The ratios were calculated by dividing the selected acute screening value into the maximum modeled concentration of the contaminant. Ratios were only calculated for constituents for which the maximum modeled concentration exceeded the selected acute screening value. This information is intended to provide a measure of the relative magnitude of the exceedances. The calculated ratios for arsenic ranged from 1.06 to 7.98. Calculated ratios for benzene ranged from 1.16 to 3.97. This indicates that the maximum concentration modeled for these chemicals which exceeded the acute screening criterion only slightly exceeded its screening criterion. The calculated ratios for nickel exceedances ranged from 2.96 to 28.3. Modeled concentrations for nickel greatly exceeded the screening criterion in 10 separate modeled events.

4.5 UNCERTAINTIES

There are a number of uncertainties associated with the methods used in the acute evaluation.

There are a number of contaminants that were modeled for which there were no appropriate screening values identified. For comparison to one hour concentrations, four out of 35 modeled chemicals lacked acute screening values. For comparison to 24 hour concentrations, 18 out of 35 modeled chemicals lacked acute screening values. Therefore, the potential human health effects of these contaminants could not be evaluated. This limitation in the screening methodology may have had the effect of underestimating the potential acute human health effects of the modeled

contaminants.

In acute toxicology experiments, the study design usually involves exposures of short duration to an otherwise unexposed animal. However, real world acute exposures typically occur intermittently, rather than as rare events in a lifetime. Thus, the typical ambient exposure scenario is not reflected in the standard acute toxicology experimental design. Based upon this limitation of experimental design, the possibility of cumulative effects from intermittent ambient exposures is not typically addressed in the development of the acute screening values. Therefore, the screening methodology used in this evaluation may underestimate the potential for human health risks.

Haber's Law was used to adjust acute screening values from short periods of exposure to longer periods of exposure. Uncertainties exist in this procedure from several factors. The exponential "n" value has been empirically determined for relatively few chemicals. Therefore, assumptions are made regarding what value of "n" to use. The use of Haber's Law also assumes that the log function applied is valid for the chemicals in question. Although Haber's Law has been used extensively in the toxicological literature, uncertainties regarding its applicability are still present. Accurate screening values may be either greater or less than those calculated using Haber's Law.

In addition to uncertainties resulting from the use of Haber's Law to adjust for the exposure period of the screening values used, there is uncertainty introduced by selecting screening values based on previously derived lists of acute effects rather than from primary literature studies. The methodology for evaluating acute effects is still under development. This results in uncertainty in the results obtained from this screening-level evaluation although it is believed that actual risks would not be greater than those estimated in this study.

The assumption that exposures of interest are independent of other exposures has several uncertainties. First, the possible additive, synergistic, or antagonistic effects of multiple exposures are not evaluated. This may underestimate or overestimate the potential impacts from

simultaneous exposure to multiple chemicals depending on the contaminants.

The screening levels used in the acute exposure evaluation were taken from a variety of sources as described in Section 4.2. With the exception of the CAL RELs, the screening levels were not derived for the explicit purposes of evaluating acute residential exposures from routine industrial emissions. For example, many of the screening values were derived for assessing releases in emergencies. Therefore, the screening values used may not be directly applicable to the potential acute exposure scenarios presented in this acute human health exposure analysis. As a result, the use of diverse screening values from multiple sources may underestimate or overestimate the potential for human health risks.

It was determined that several contaminants exceeded screening values. However, using the current method for quantifying screening-level exceedances, it is not possible to accurately interpret the magnitude of the potential risks for acute exposures. The calculation of acute risk ratios greater than one demonstrates that the potential for acute effects exists. However, the severity of the impact cannot be determined by this method.

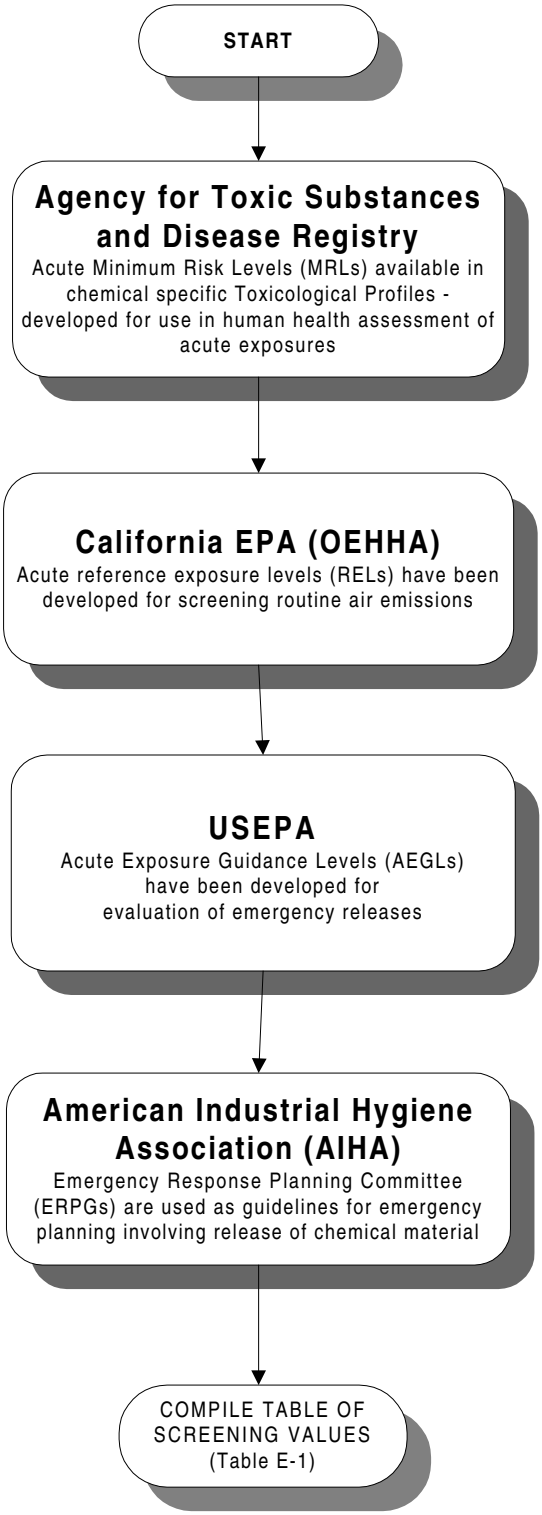


Figure 4-1

Process for Identifying Acute 24-Hour Toxicological Screening Values

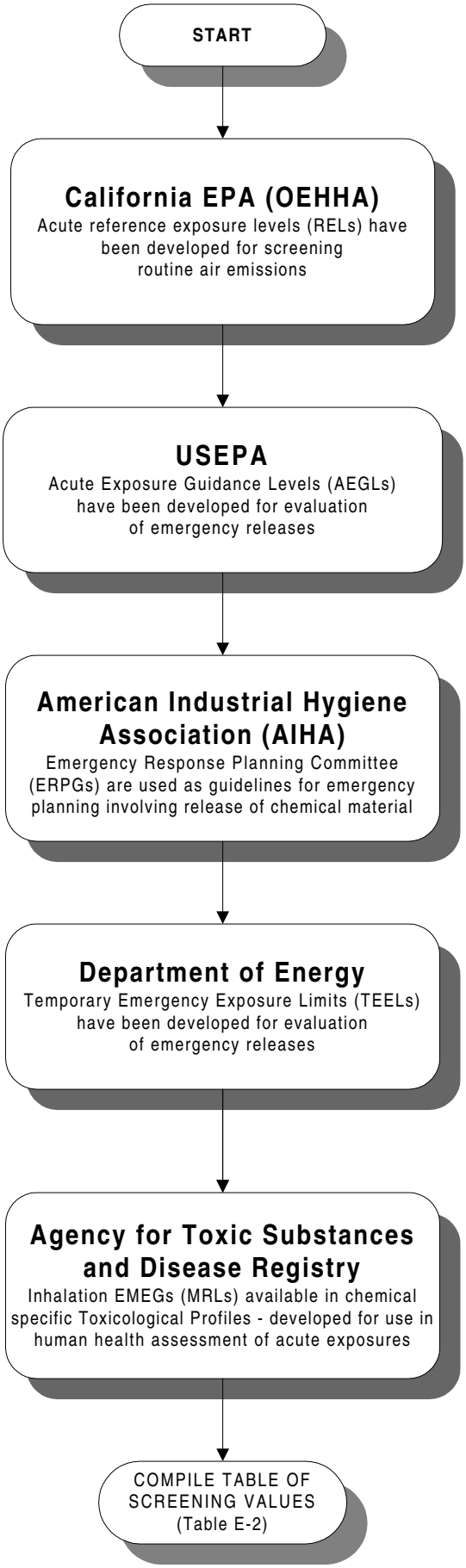
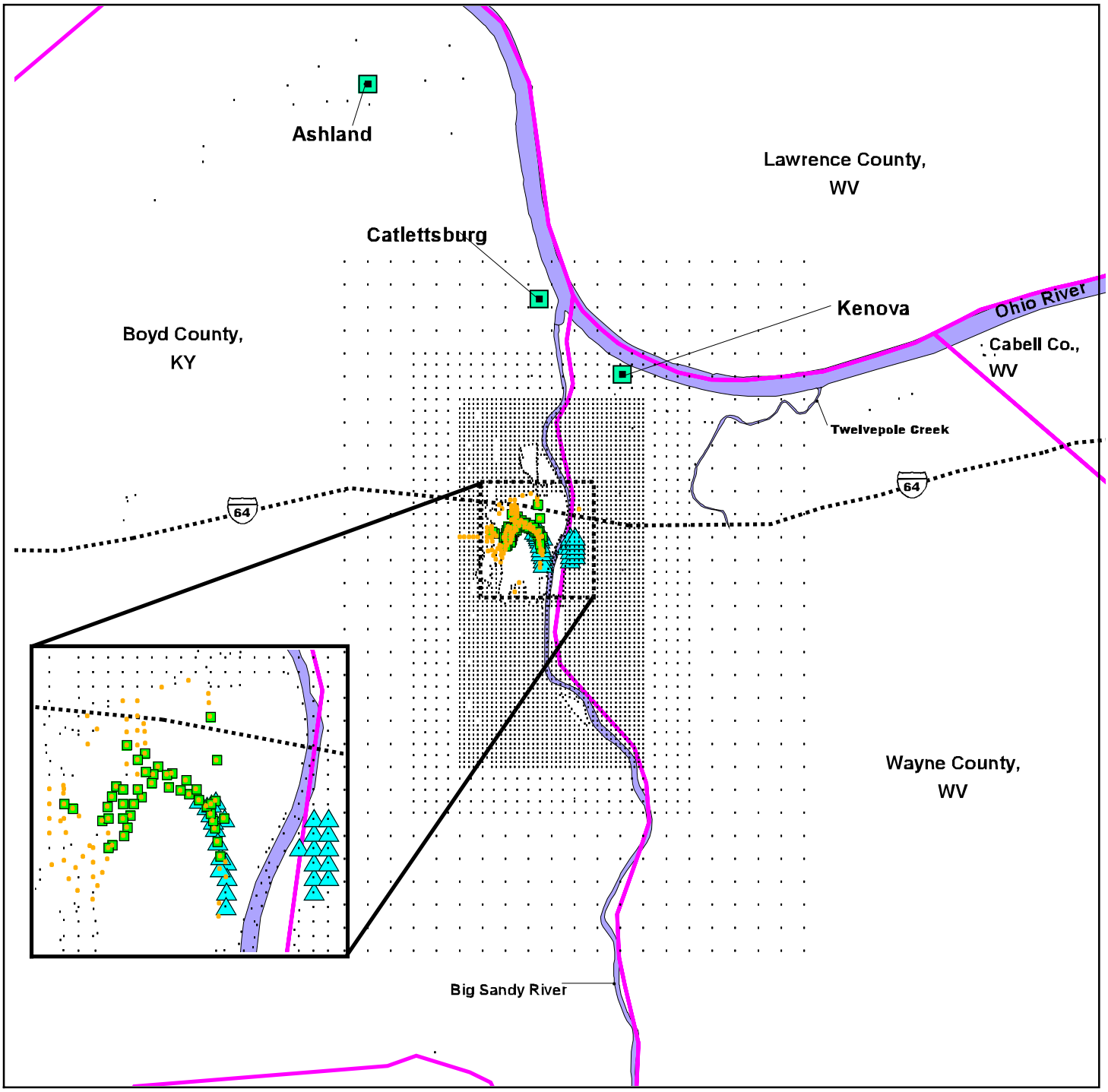


Figure 4-2

Process for Identifying Acute 1-Hour Toxicological Screening Values



Arsenic
Benzene
Nickel
Political Boundaries
Highways

N
W
E
S

Scale = 1:125,000

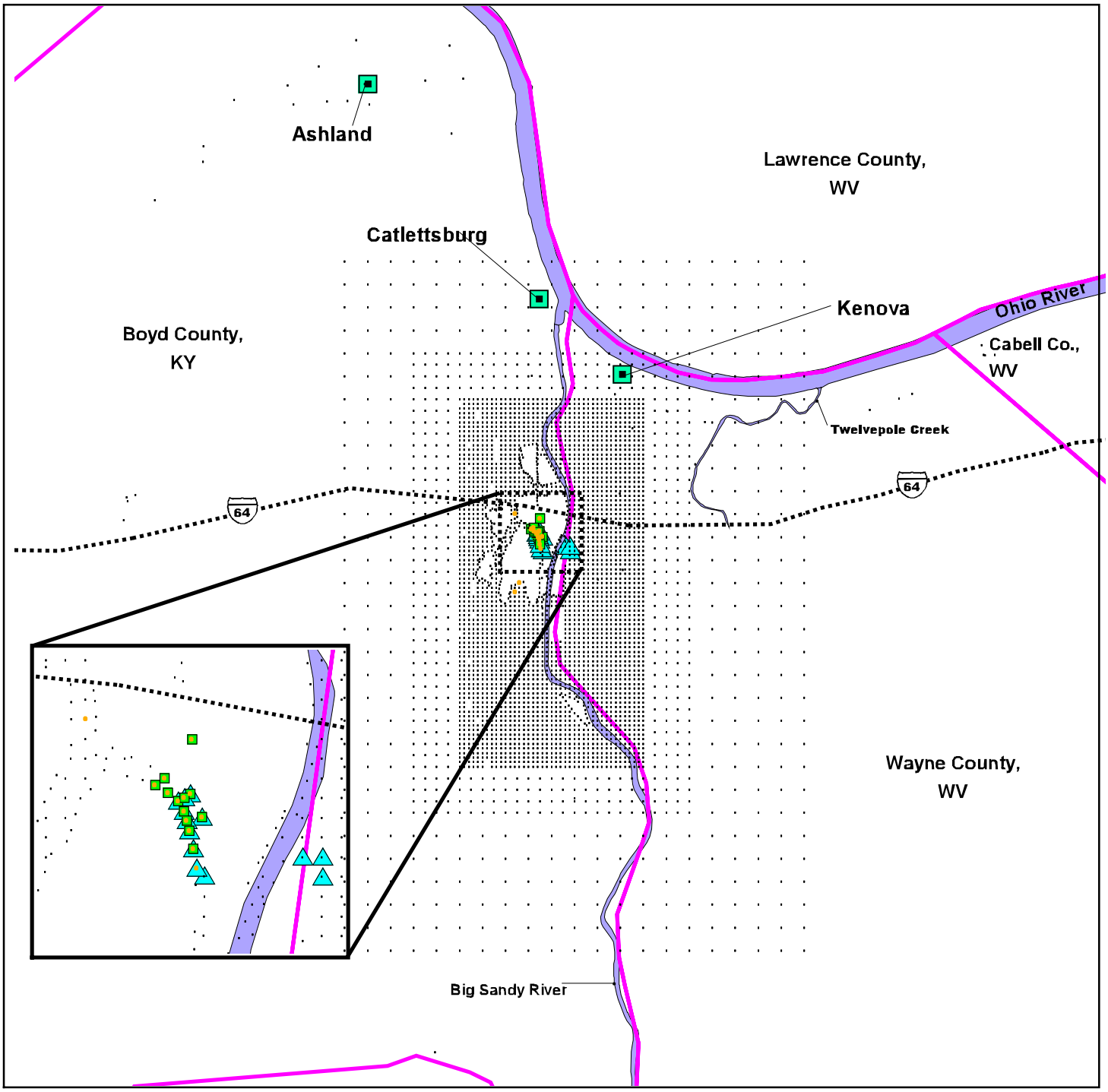
4 0 4 Miles

Figure 4 - 3

Acute Screening Results

Task 1, 1 Hour Data

T1, 1H
Prepared by: Gannett Fleming, Inc.



Arsenic

Nickel

Political Boundaries

Highways

Figure 4 - 4

Acute Screening Results

Task 2, Episode 1,

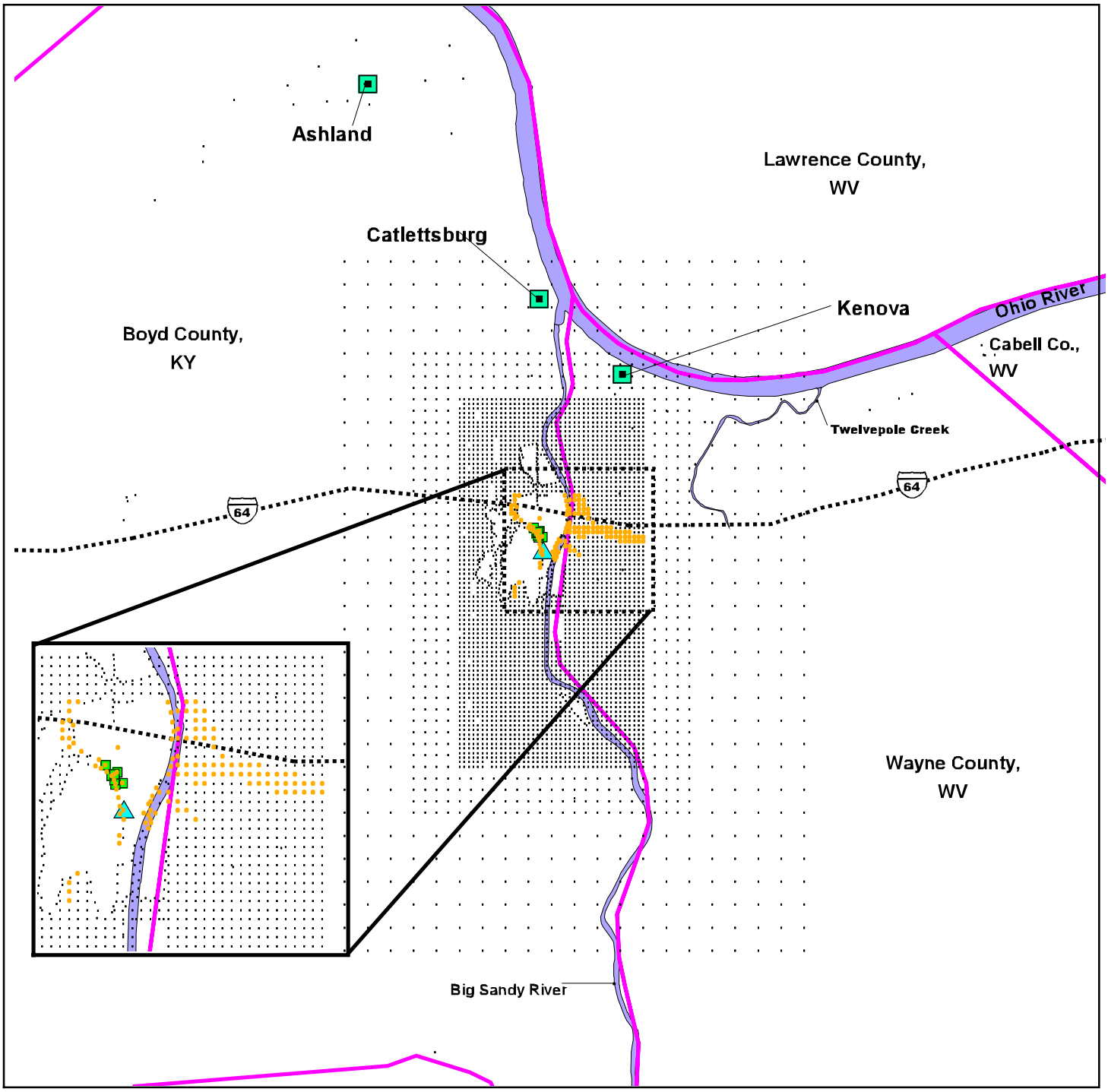
1 Hour Data

N
W
E
S

Scale = 1:125,000

4 0 4 Miles

T2, E01, 1H
Prepared by: Gannett Fleming, Inc.



Arsenic
Benzene
Nickel
Political Boundaries
Highways

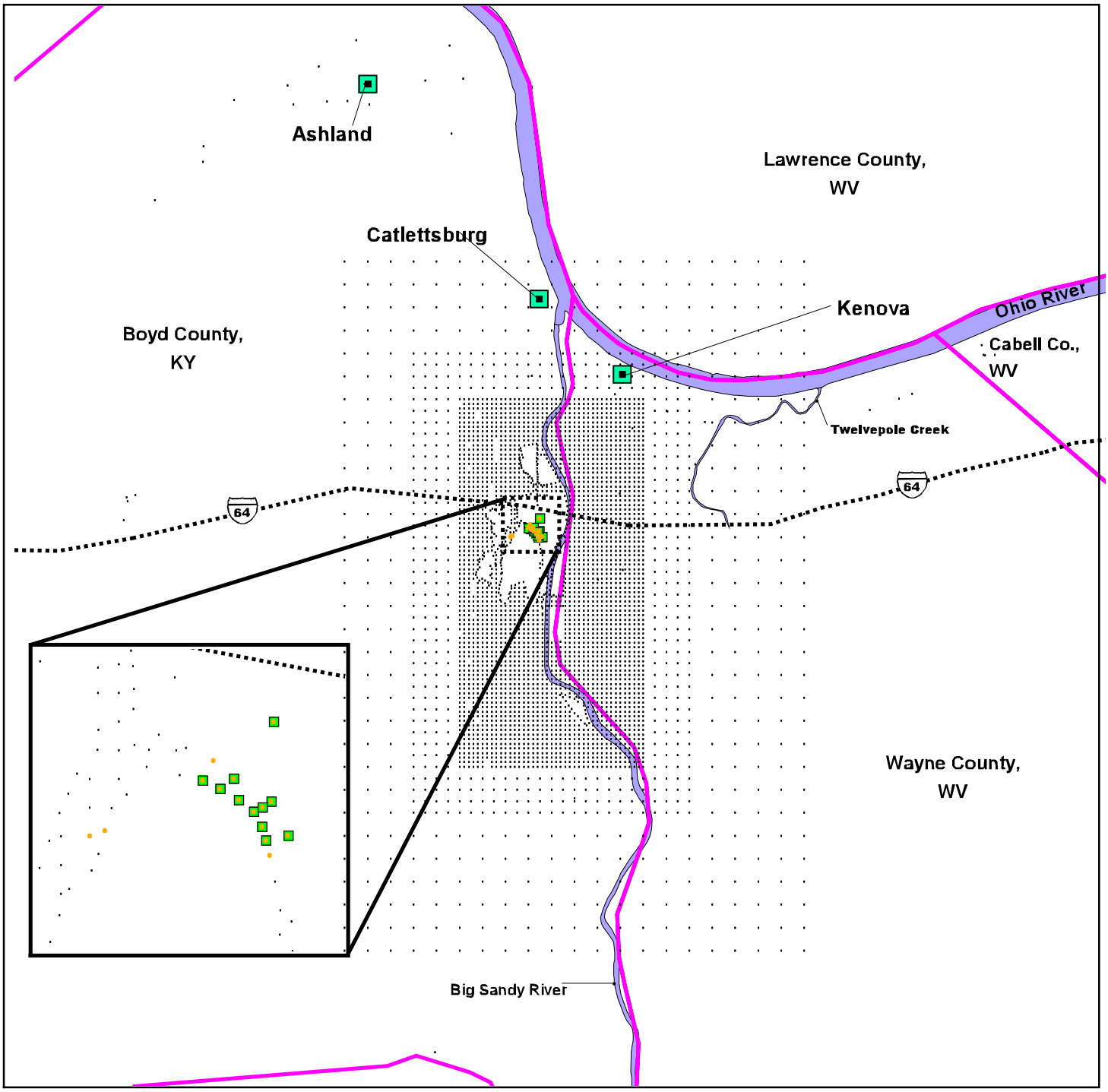
N
W
E
S

Scale = 1:125,000

4 0 4 Miles

Figure 4 - 5
Acute Screening Results
Task 2, Episode 1,
24 Hour Data

T2, E01, 24H
Prepared by: Gannett Fleming, Inc.



Arsenic

Nickel

Political Boundaries

Highways

Figure 4 - 6

Acute Screening Results

Task 2, Episode 2,

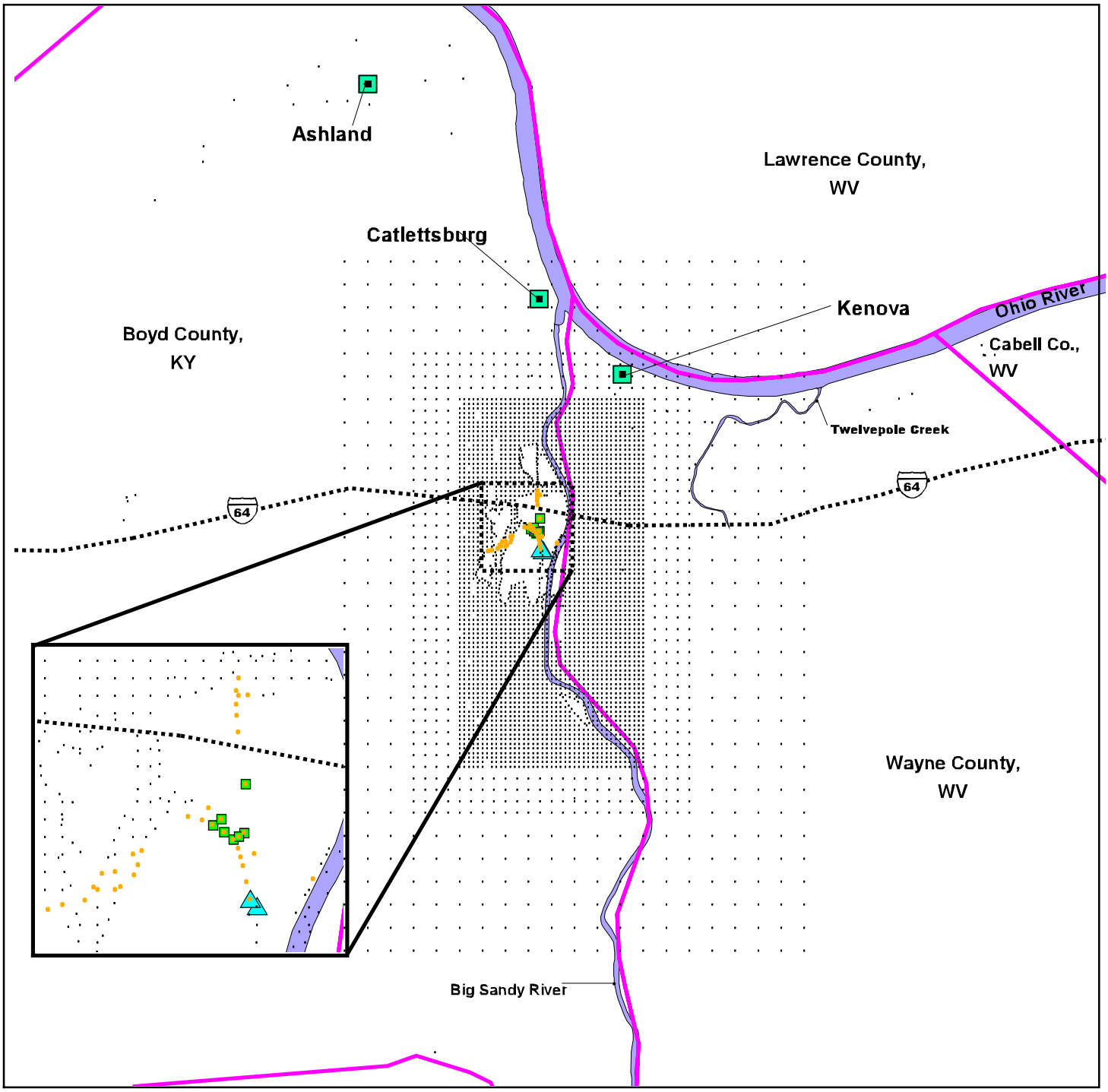
1 Hour Data

N
W E
S

Scale = 1:125,000

4 0 4 Miles

T2, E02, 1H
Prepared by: Gannett Fleming, Inc.



Arsenic
Benzene
Nickel
Political Boundaries
Highways

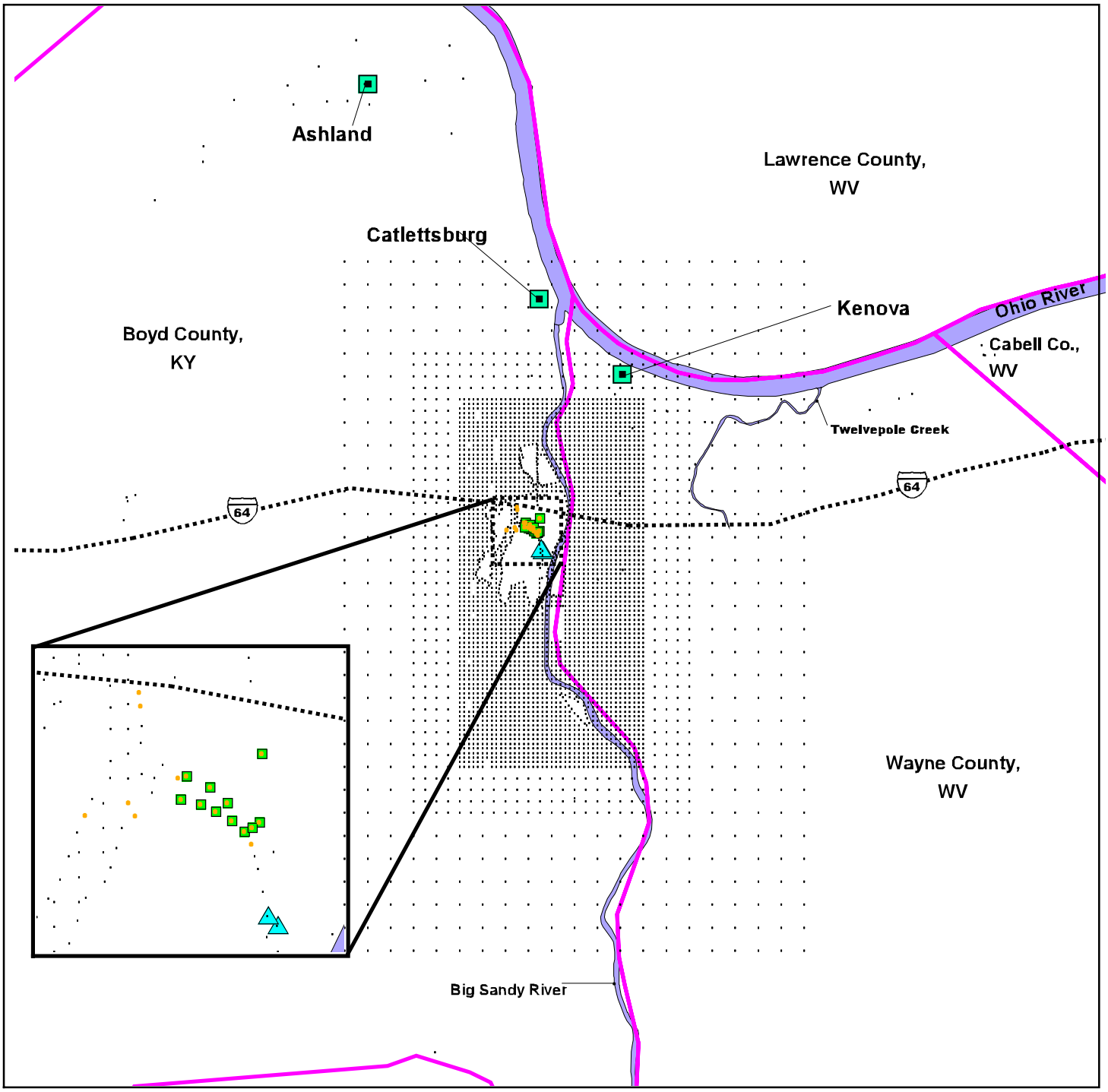
N
W
E
S

Scale = 1:125,000

4 0 4 Miles

Figure 4 - 7
Acute Screening Results
Task 2, Episode 2,
24 Hour Data

T2, E02, 24H
Prepared by: Gannett Fleming, Inc.



Arsenic
Benzene
Nickel
Political Boundaries
Highways

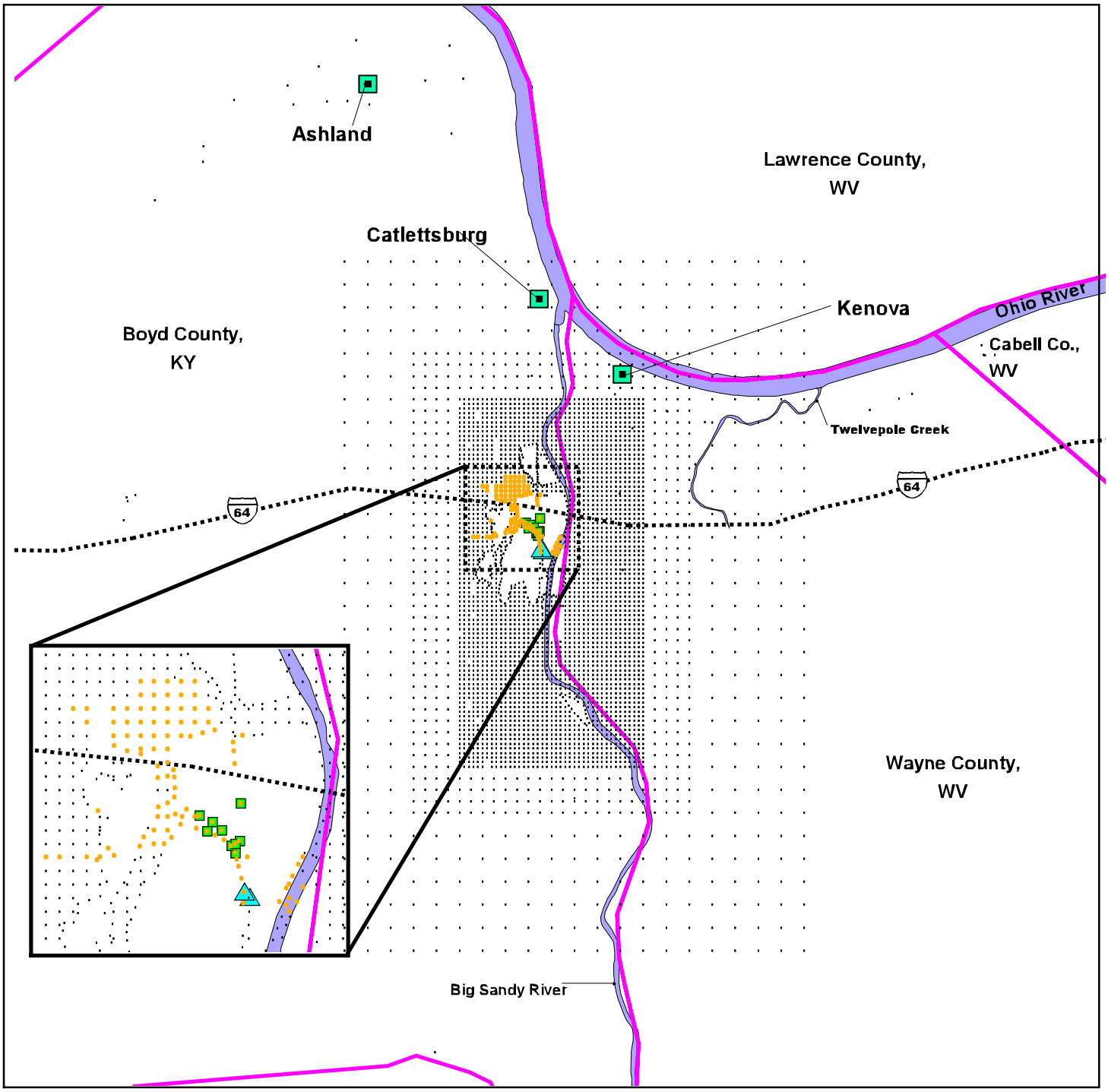
N
W
E
S

Scale = 1:125,000

4 0 4 Miles

Figure 4 - 8
Acute Screening Results
Task 2, Episode 3,
1 Hour Data

T2, E03, 1H
Prepared by: Gannett Fleming, Inc.



Arsenic
Benzene
Nickel
Political Boundaries
Highways

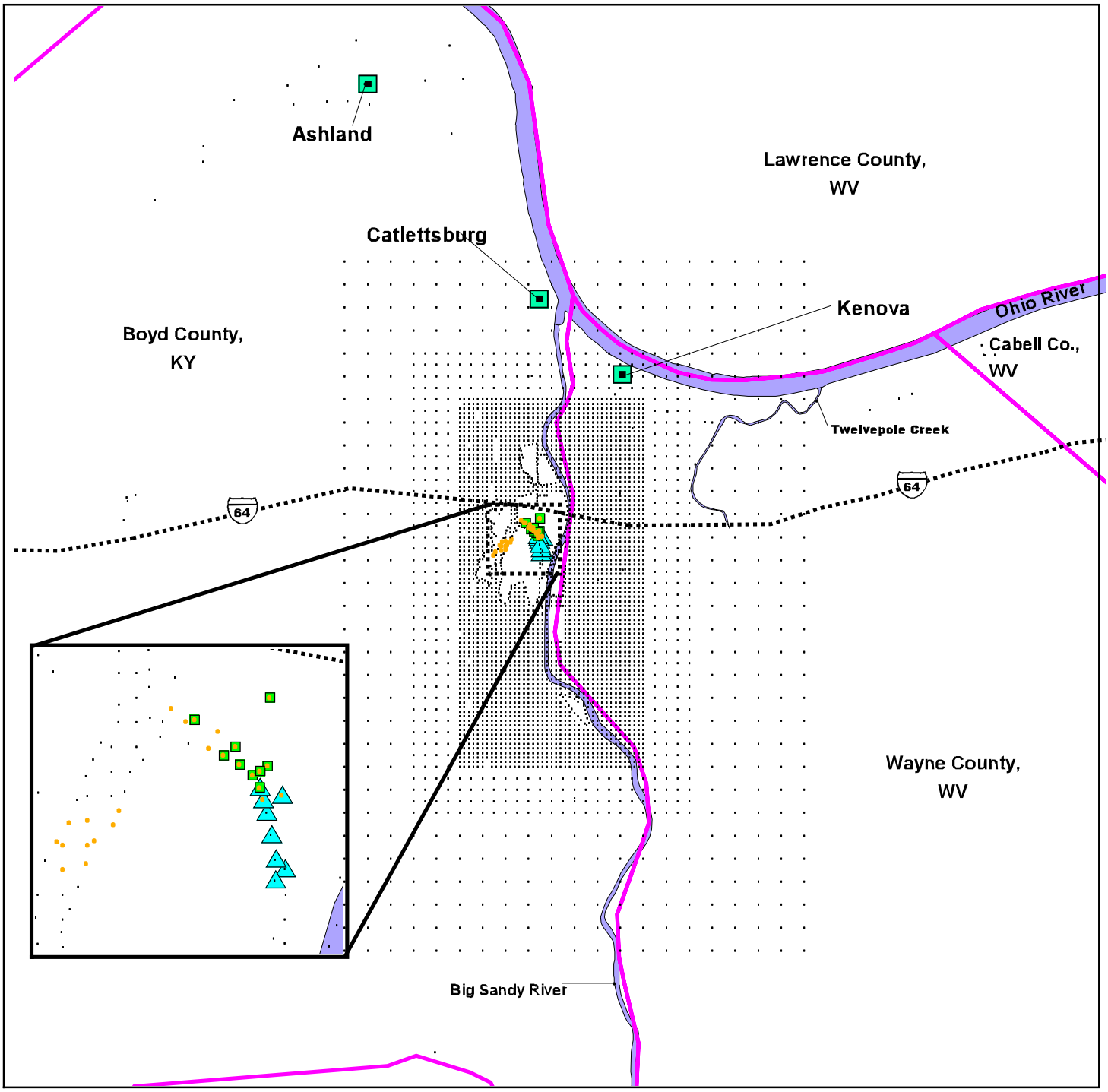
N
W
E
S

Scale = 1:125,000

4 0 4 Miles

Figure 4 - 9
Acute Screening Results
Task 2, Episode 3,
24 Hour Data

T2, E03, 24H
Prepared by: Gannett Fleming, Inc.



Arsenic
Benzene
Nickel
Political Boundaries
Highways

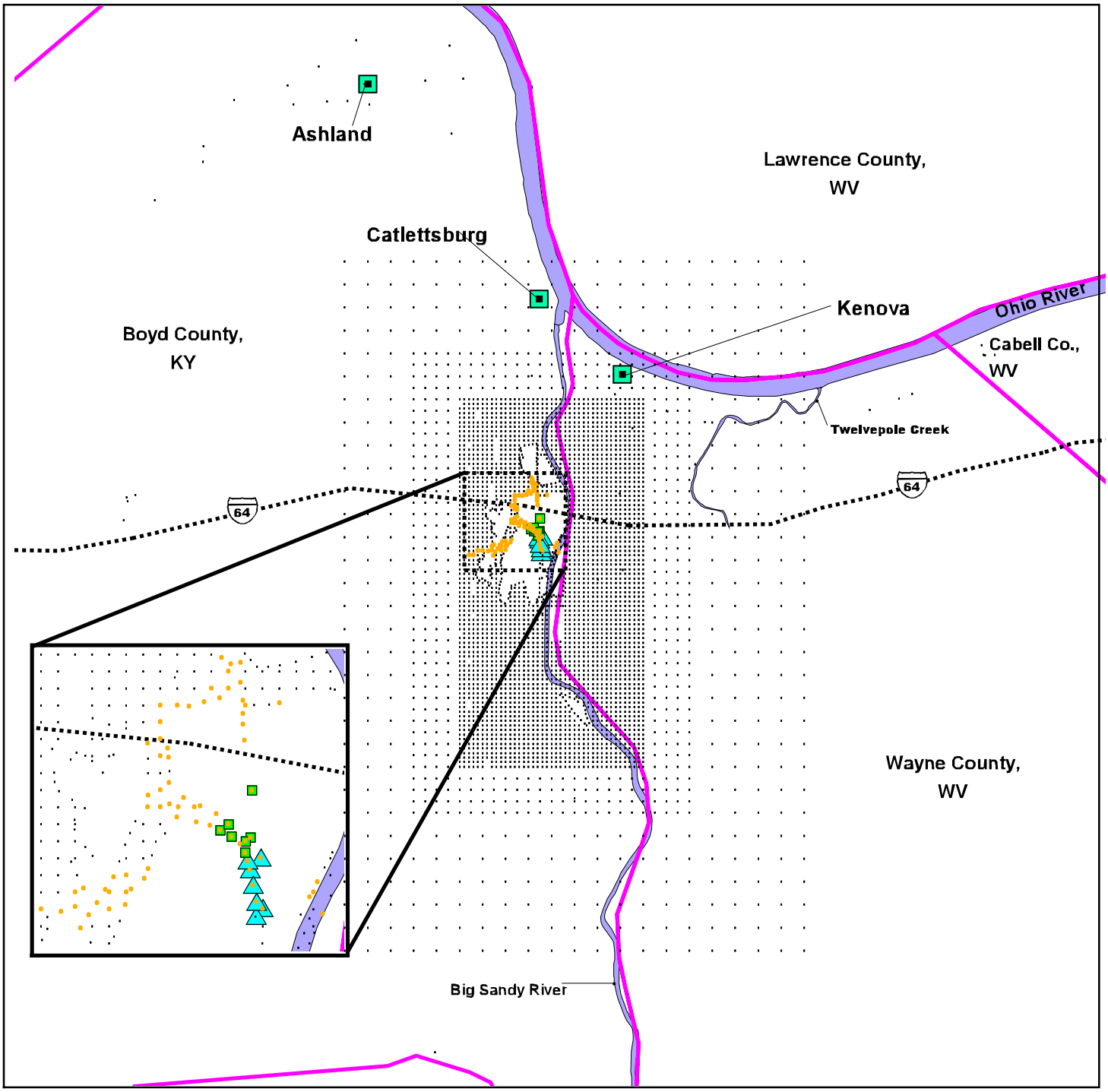
Figure 4 - 10
Acute Screening Results
Task 2, Episode 4,
1 Hour Data

N
W
E
S

Scale = 1:125,000

4 0 4 Miles

T2, E04, 1H
Prepared by: Gannett Fleming, Inc.



Arsenic
Benzene
Nickel
Political Boundaries
Highways

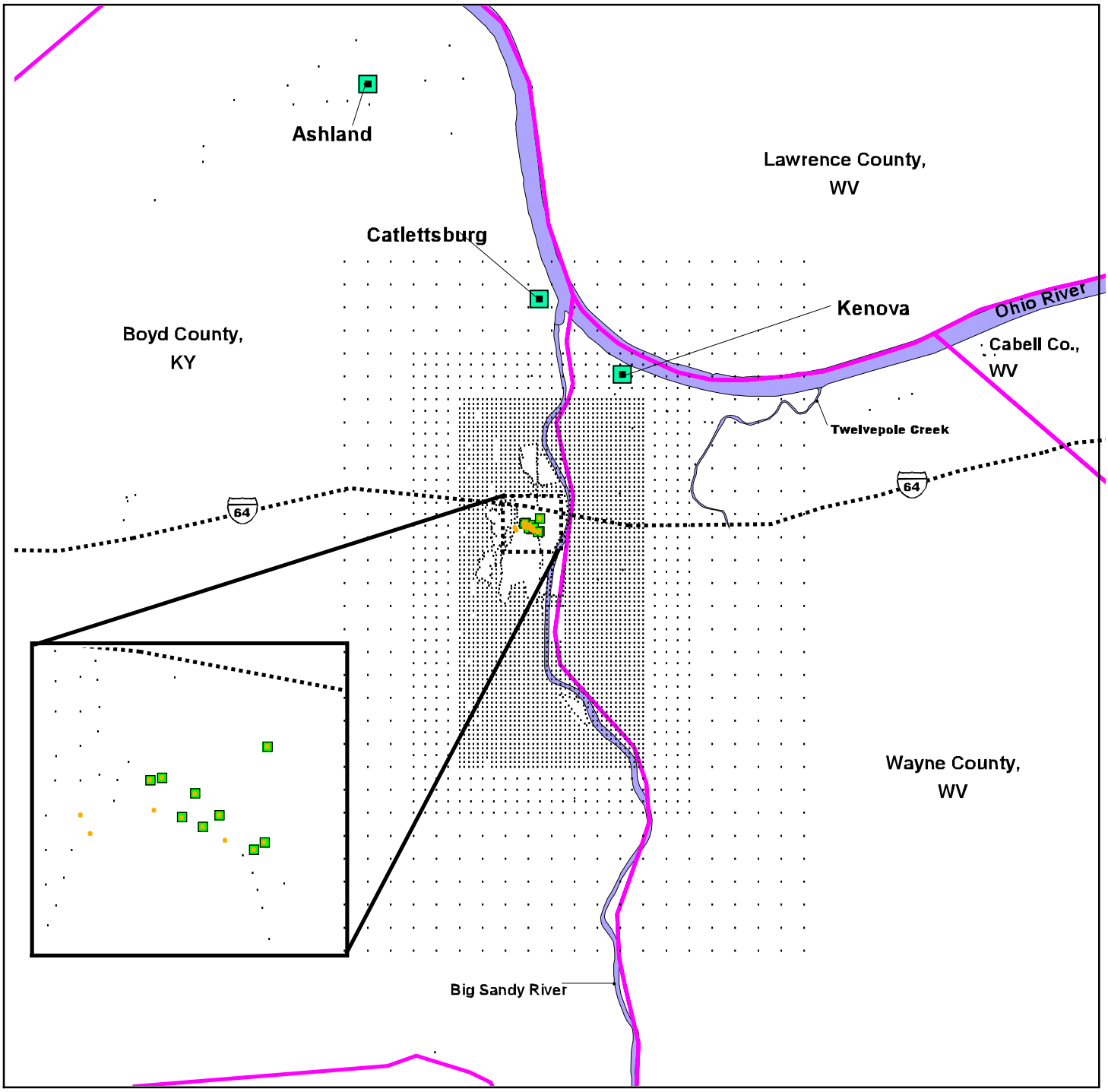
N
W
E
S

Scale = 1:125,000

4 0 4 Miles

Figure 4 - 11
Acute Screening Results
Task 2, Episode 4,
24 Hour Data

T2, E04, 24H
Prepared by: Gannett Fleming, Inc.



Arsenic

Nickel

Political Boundaries

Highways

Figure 4 - 12

Acute Screening Results

Task 2, Episode 5,

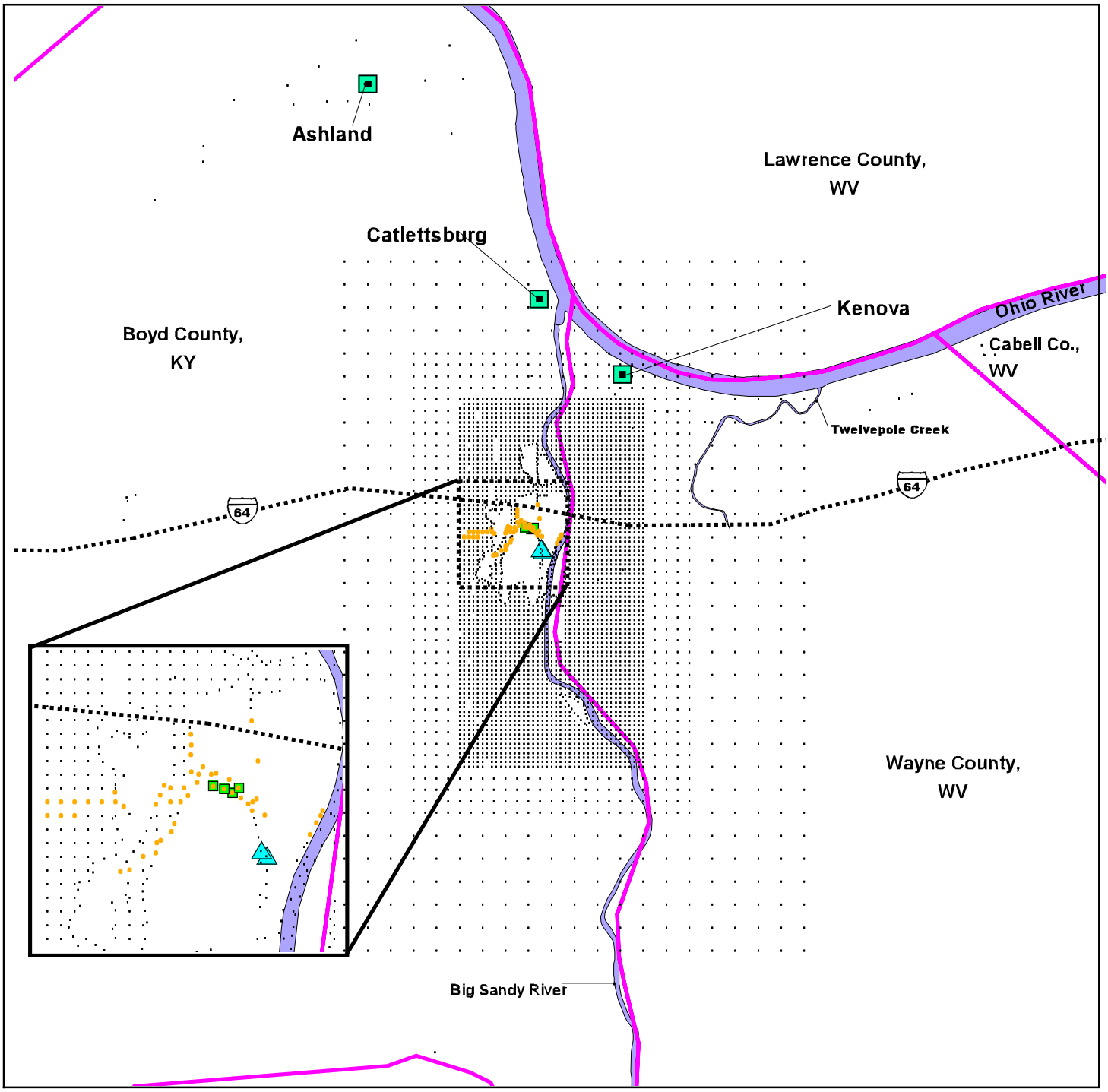
1 Hour Data

N
W
E
S

Scale = 1:125,000

4 0 4 Miles

T2, E05, 1H
Prepared by: Gannett Fleming, Inc.



Arsenic
Benzene
Nickel
Political Boundaries
Highways

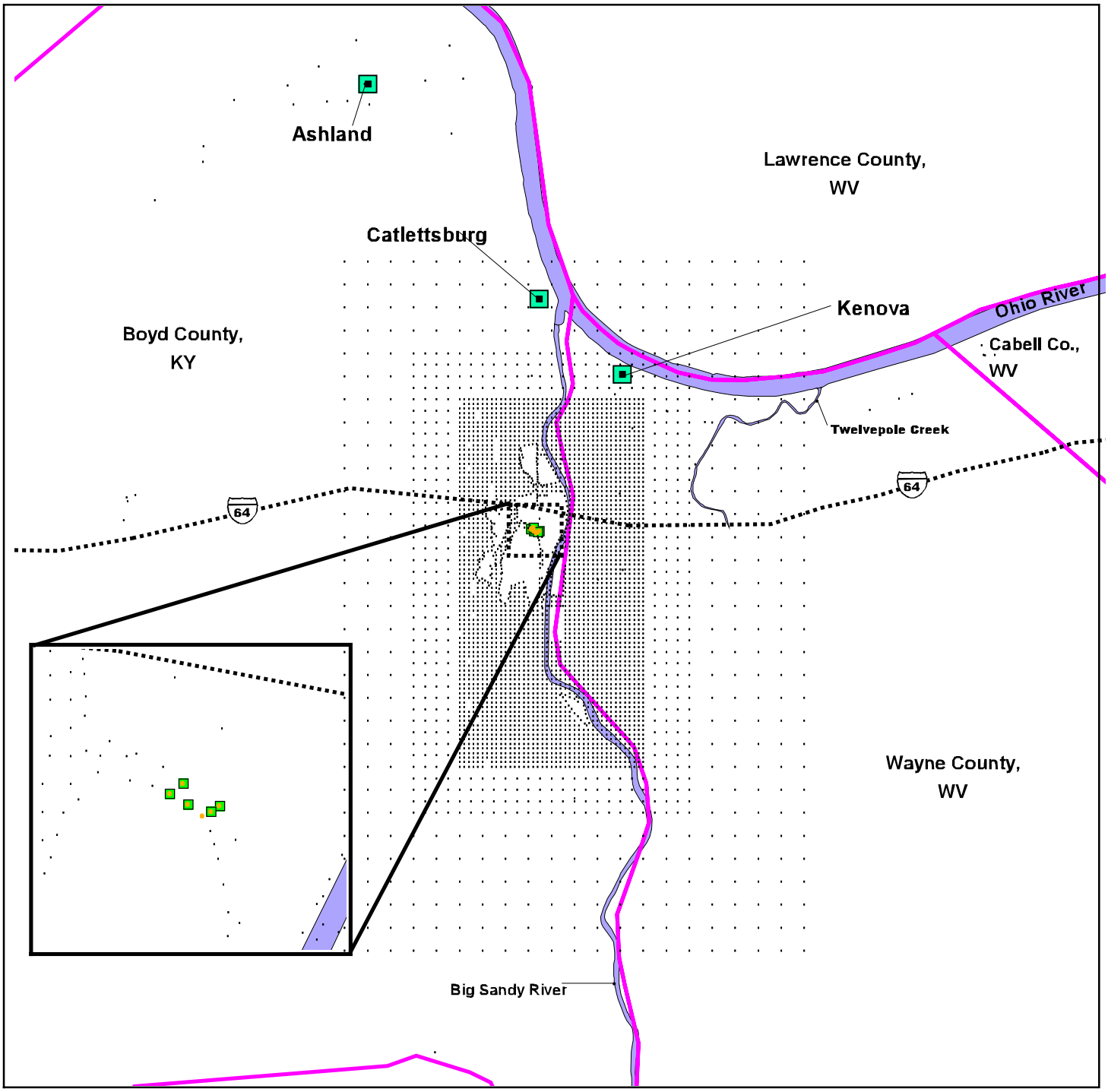
Figure 4 - 13
Acute Screening Results
Task 2, Episode 5,
24 Hour Data

N
W
E
S

Scale = 1:125,000

4 0 4 Miles

T2, E05, 24H
Prepared by: Gannett Fleming, Inc.



Arsenic

Nickel

Political Boundaries

Highways

Figure 4 - 14

Acute Screening Results

Task 2, Episode 6,

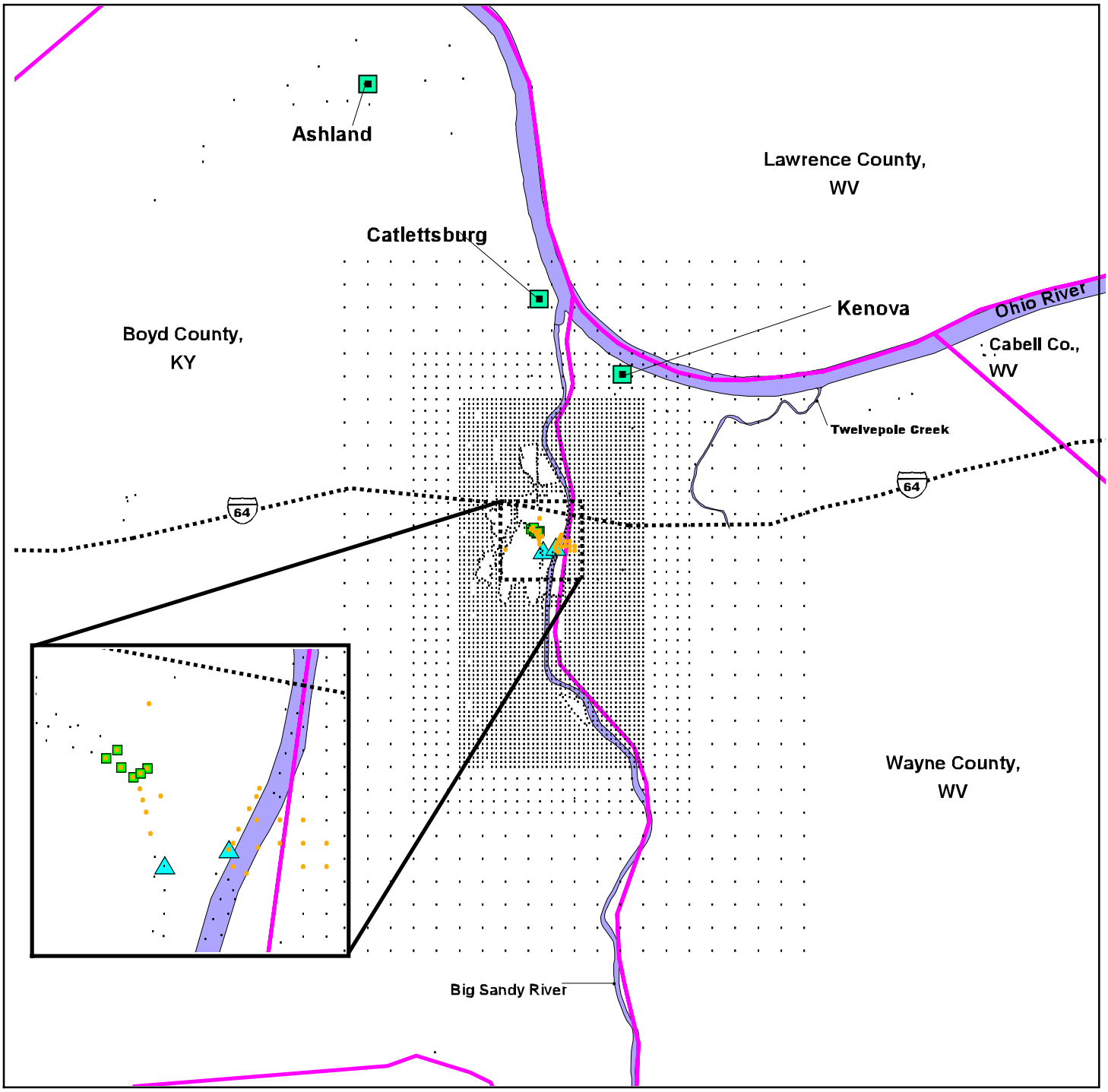
1 Hour Data

N
W
E
S

Scale = 1:125,000

4 0 4 Miles

T2, E06, 1H
Prepared by: Gannett Fleming, Inc.



Arsenic
Benzene
Nickel
Political Boundaries
Highways

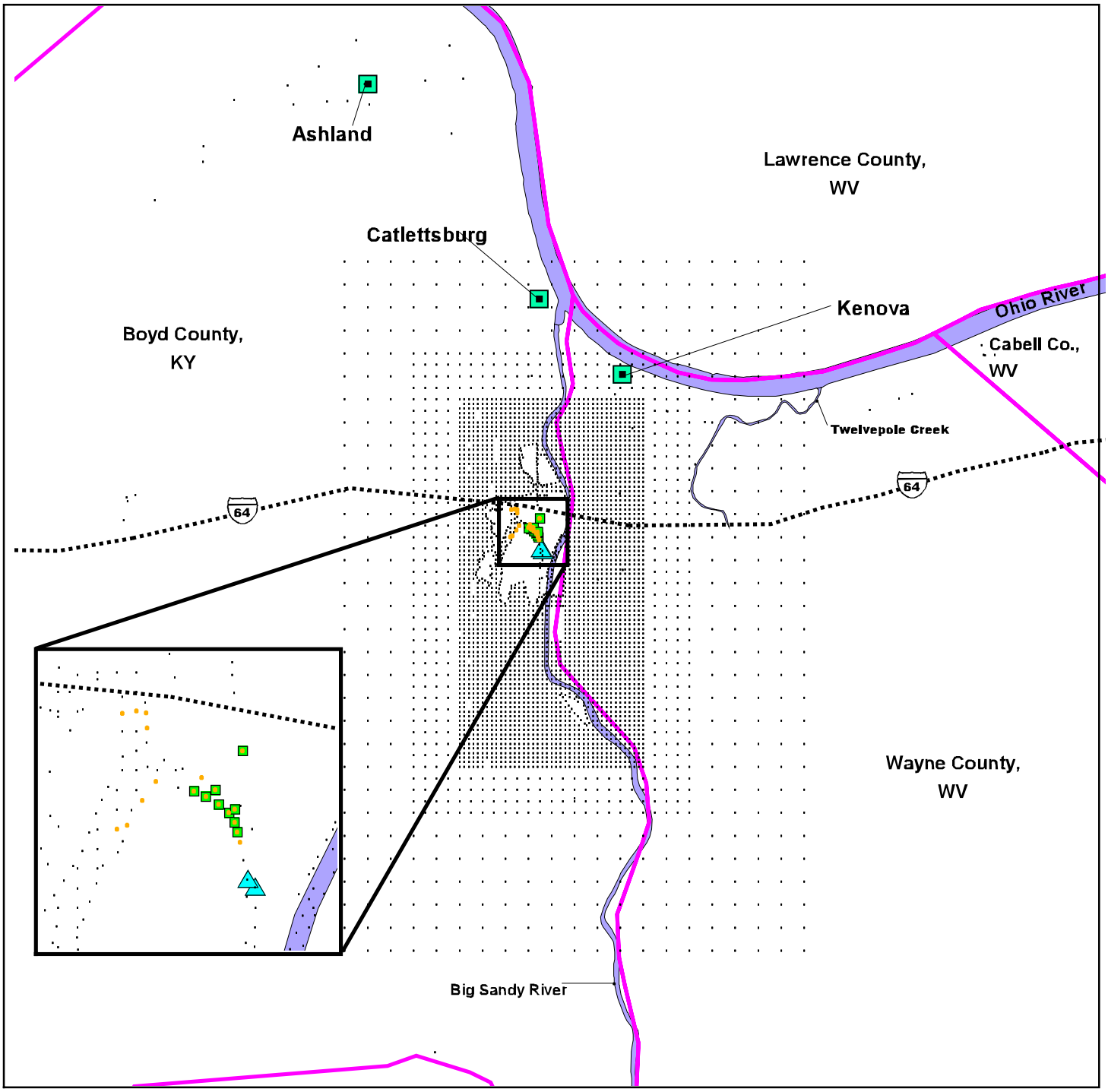
Figure 4 - 15
Acute Screening Results
Task 2, Episode 6,
24 Hour Data

N
W
E
S

Scale = 1:125,000

4 0 4 Miles

T2, E06, 24H
Prepared by: Gannett Fleming, Inc.



Arsenic
Benzene
Nickel
Political Boundaries
Highways

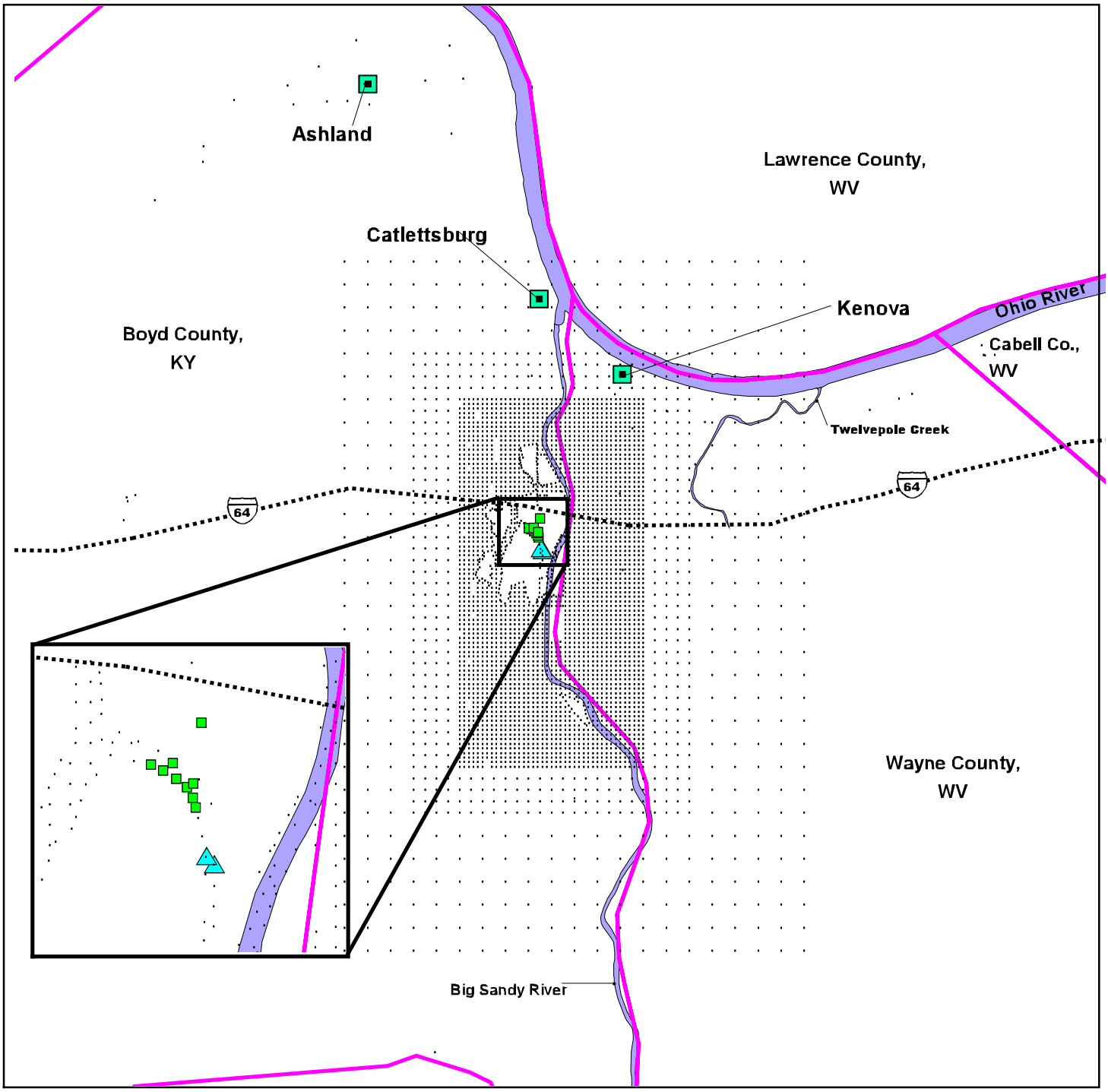
N
W
E
S

Scale = 1:125,000

4 0 4 Miles

Figure 4 - 16
Acute Screening Results
Task 2, Episode 7,
1 Hour Data

T2, E07, 1H
Prepared by: Gannett Fleming, Inc.



Arsenic

Benzene

Political Boundaries

Highways

Figure 4 - 17

Acute Screening Results

Task 2, Episode 7,

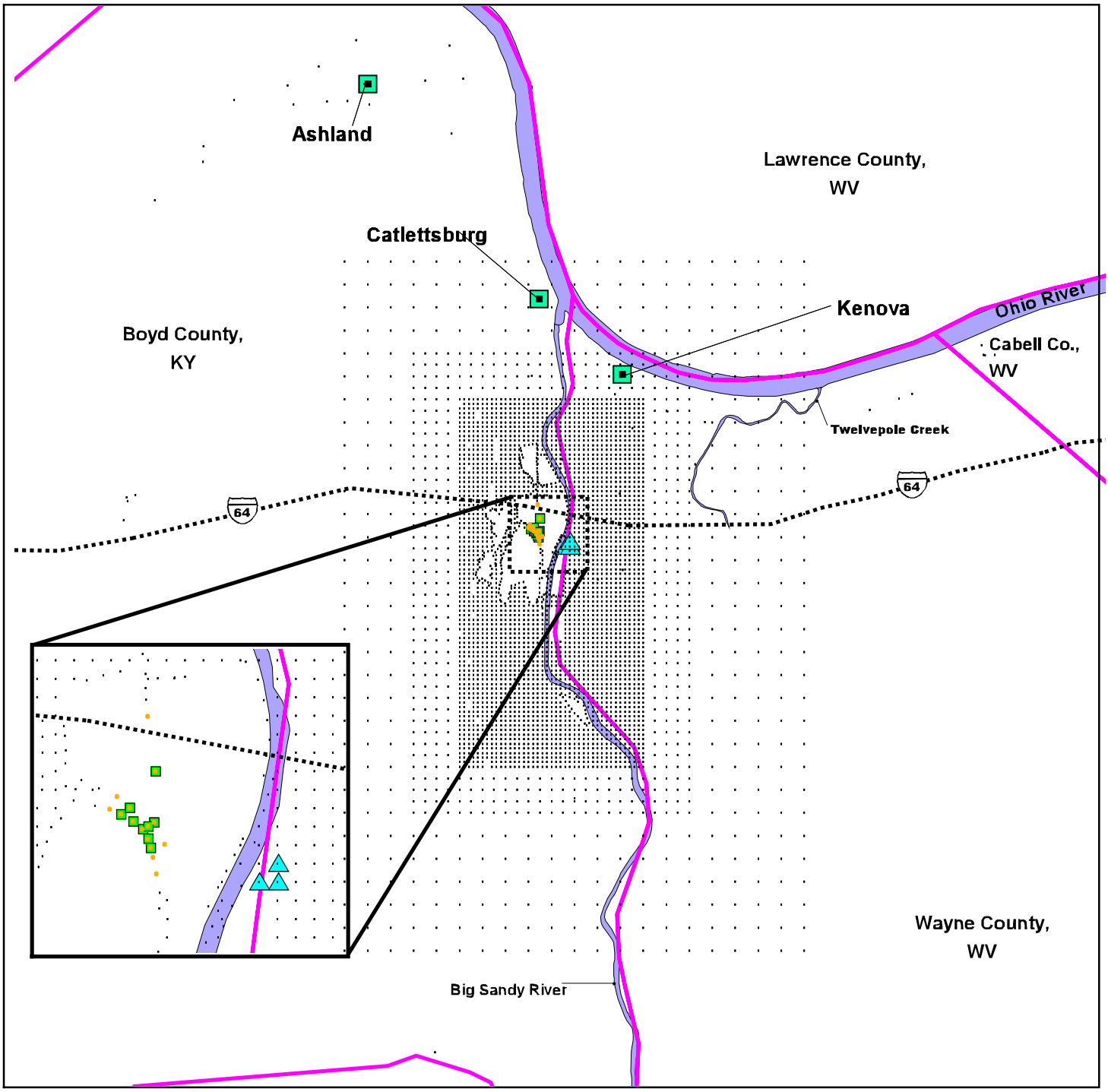
24 Hour Data

N
W
E
S

Scale = 1:125,000

4 0 4 Miles

T2, E07, 24H
Prepared by: Gannett Fleming, Inc.



Arsenic
Benzene
Nickel
Political Boundaries
Highways

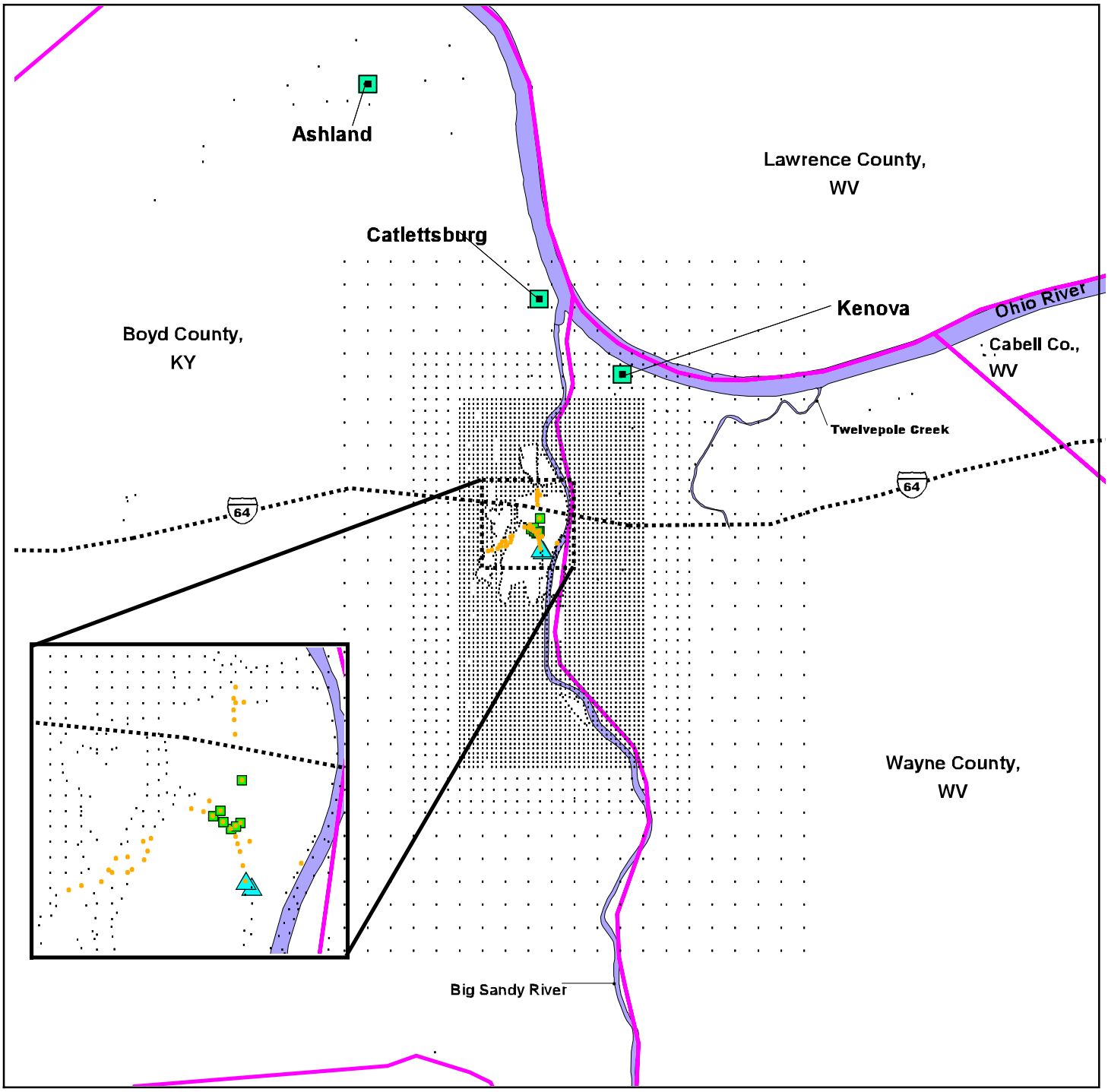
Figure 4 - 18
Acute Screening Results
Task 2, Episode 8,
1 Hour Data

N
W
E
S

Scale = 1:125,000

4 0 4 Miles

T2, E08, 1H
Prepared by: Gannett Fleming, Inc.



Arsenic
Benzene
Nickel
Political Boundaries
Highways

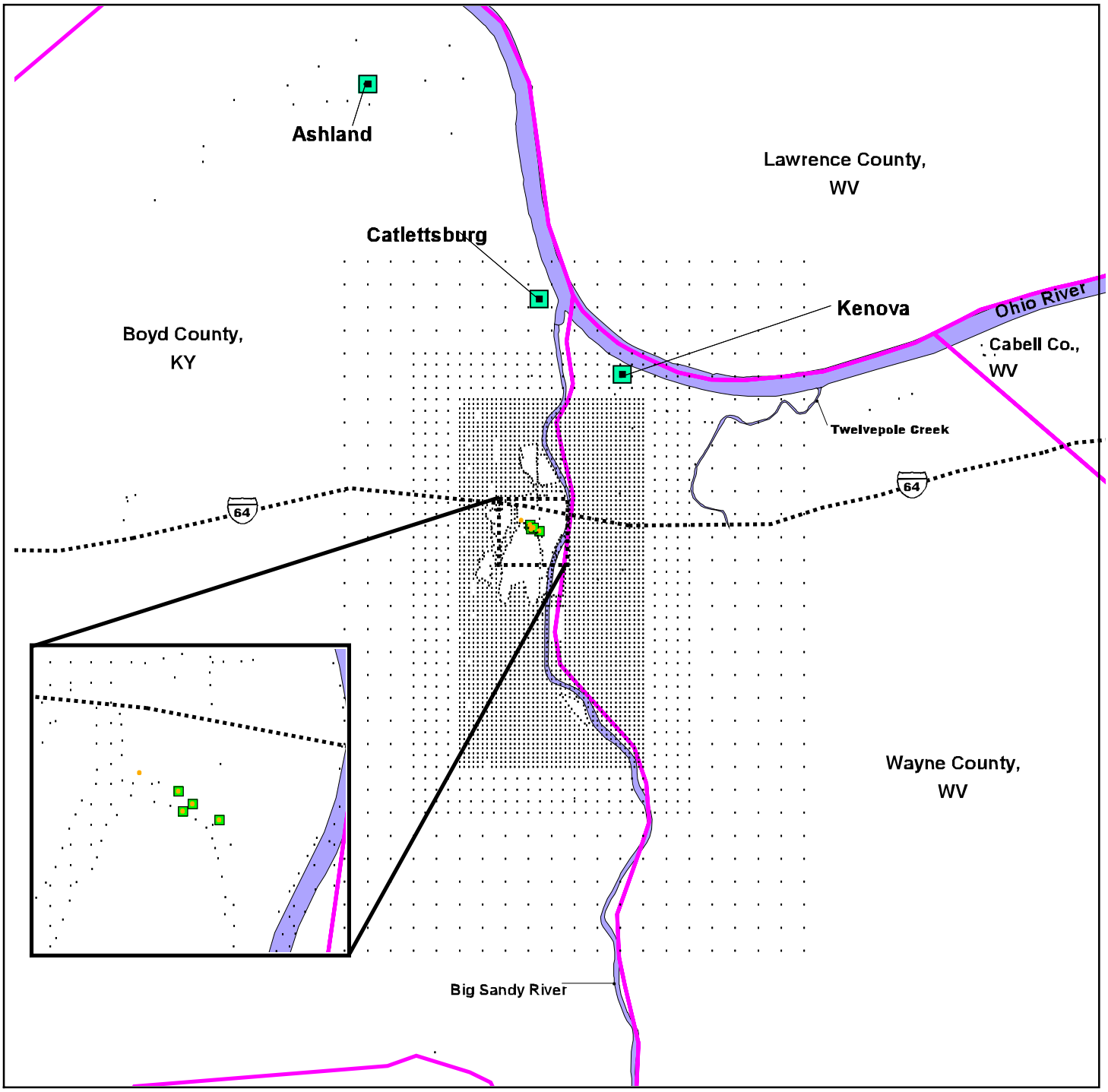
N
W
E
S

Scale = 1:125,000

4 0 4 Miles

Figure 4 - 19
Acute Screening Results
Task 2, Episode 8,
24 Hour Data

T2, E08, 24H
Prepared by: Gannett Fleming, Inc.



Arsenic

Nickel

Political Boundaries

Highways

Figure 4 - 20

Acute Screening Results

Task 2, Episode 9 ,

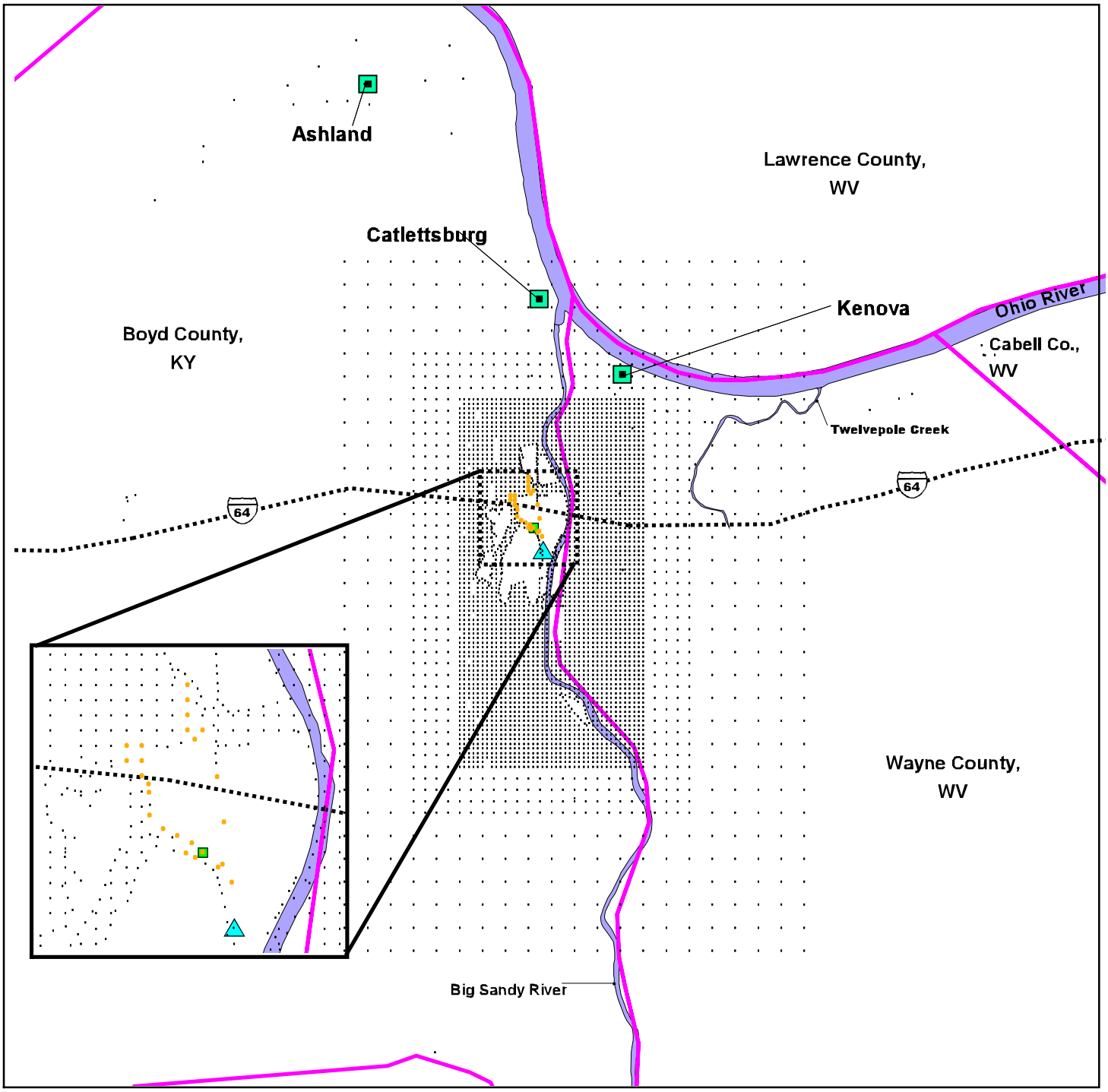
1 Hour Data

N
W
E
S

Scale = 1:125,000

4 0 4 Miles

T2, E09, 1H
Prepared by: Gannett Fleming, Inc.



Arsenic
Benzene
Nickel
Political Boundaries
Highways

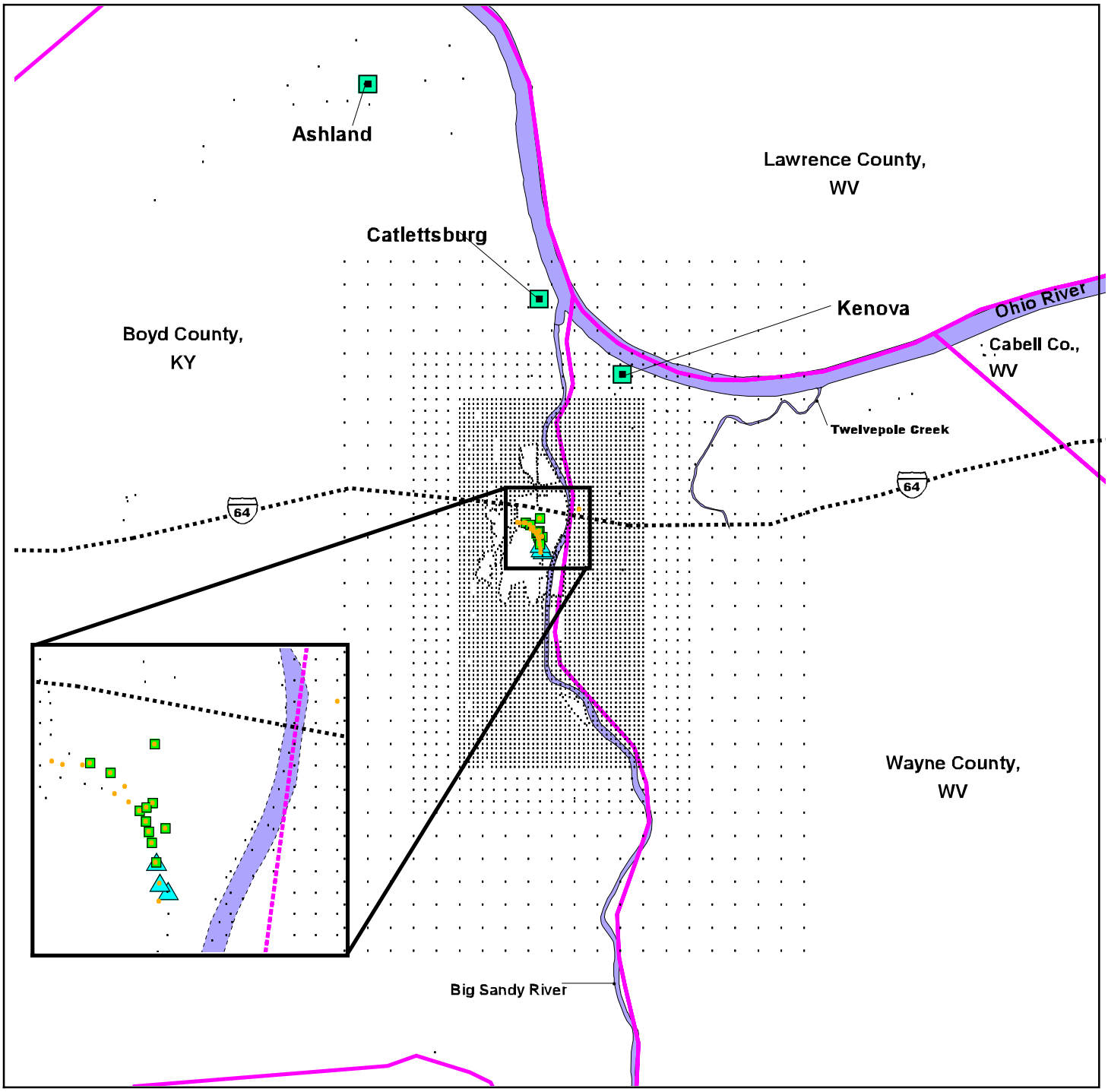
Figure 4 - 21
Acute Screening Results
Task 2, Episode 9,
24 Hour Data

N
W
E
S

Scale = 1:125,000

4 0 4 Miles

T2, E09, 24
Prepared by: Gannett Fleming, Inc.



Arsenic
Benzene
Nickel
Political Boundaries
Highways

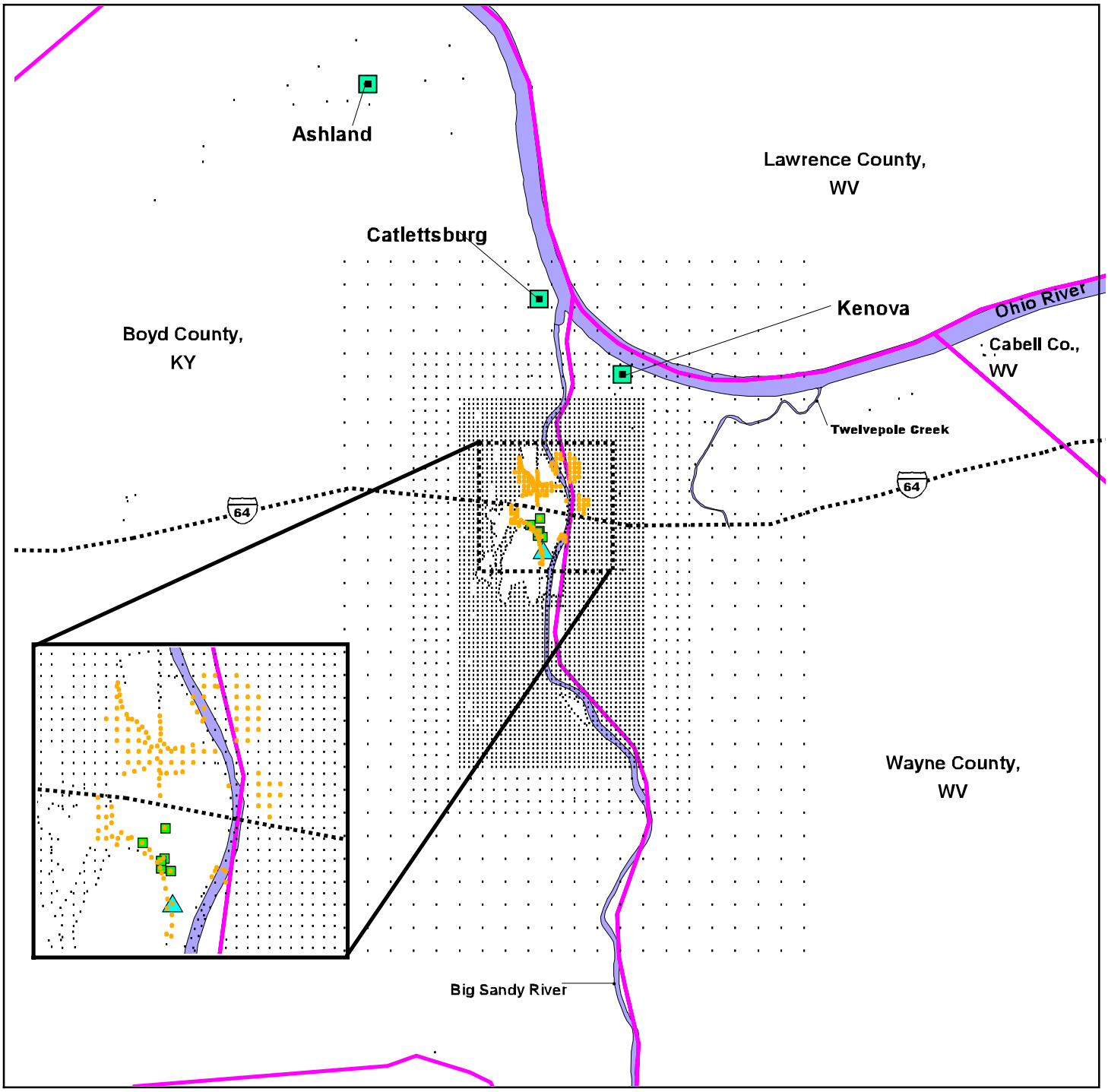
Figure 4 - 22
Acute Screening Results
Task 2 Episode 10,
1 Hour Data

N
W
E
S

Scale = 1:125,000

4 0 4 Miles

T2, E10, 1H
Prepared by: Gannett Fleming, Inc.



Arsenic
Benzene
Nickel
Political Boundaries
Highways

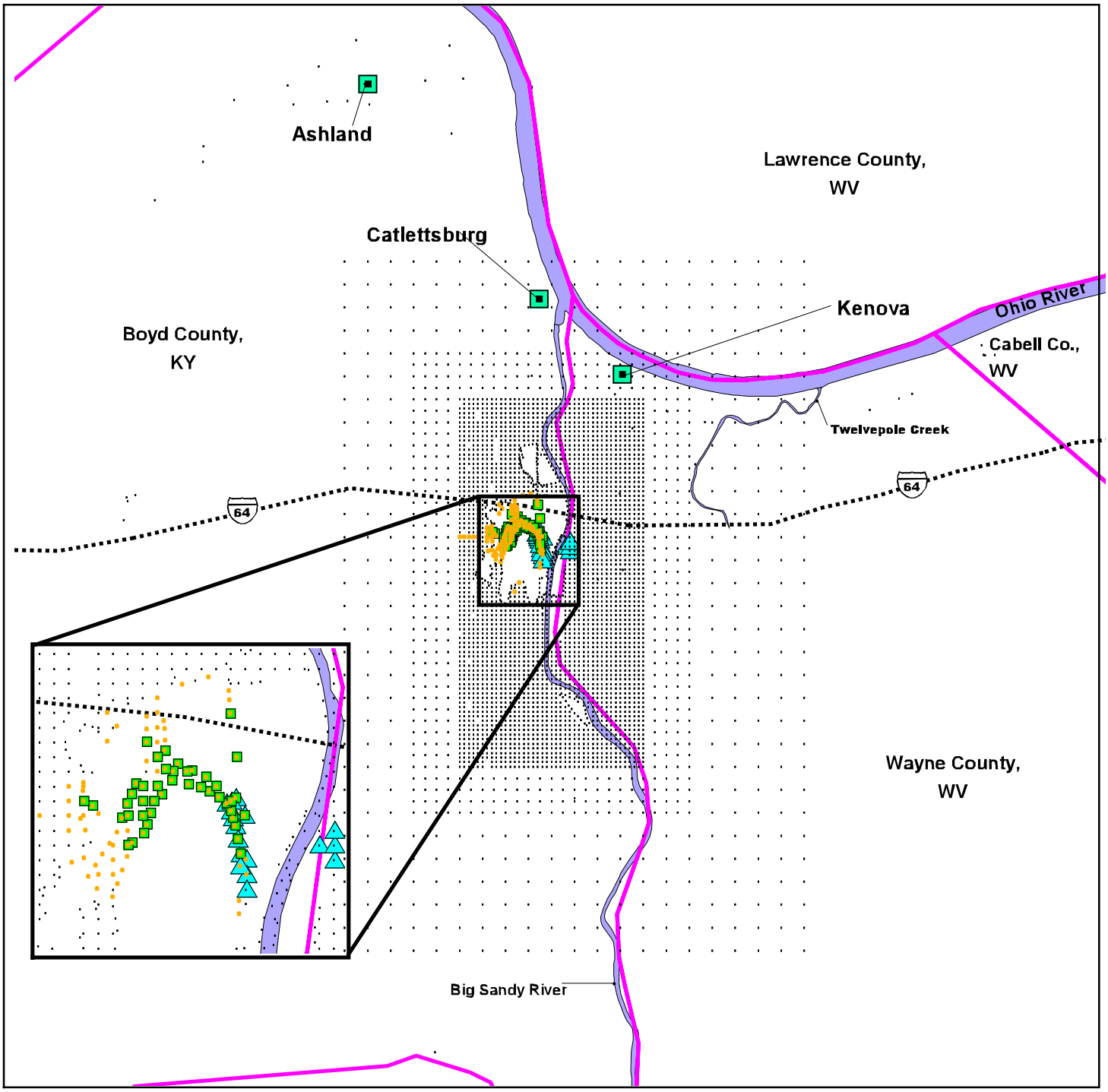
Figure 4 - 23
Acute Screening Results
Task 2, Episode 10,
24 Hour Data

N
W
E
S

Scale = 1:125,000

4 0 4 Miles

T2, E10, 24H
Prepared by: Gannett Fleming, Inc.



Arsenic
Benzene
Nickel
Political Boundaries
Highways

Figure 4 - 24
Acute Screening Results
Task 3, 1 Hour Data

N
W
E
S

Scale = 1:125,000

4 0 4 Miles

T3, 1H
Prepared by: Gannett Fleming, Inc.

5.0 CONCLUSIONS

This report presents the results of the human health risk assessment and acute effects evaluation performed using the air modeling data developed for the Kenova Industrial Cluster for the time period of July 1996 through June 1997. The air modeling risk assessment focuses only on direct exposure to airborne contaminants through the inhalation pathway.

Air modeling results were used in two human health evaluations. Results were integrated into a quantitative human health risk assessment which focused on potential long-term, or chronic, impacts to human health from exposure to airborne contaminants. Air sampling results were also evaluated for potential acute impacts to human health through a screening-level comparison using acute screening standards.

Hazard Quotients (HQs) were calculated for 12 noncarcinogenic COPCs for Task 1 data and 11 noncarcinogenic COPCs for Task 3 data at 4022 receptor locations. HIs exceeded one at multiple locations for both the child and the adult residential receptor for both data sets. The noncarcinogenic risks were found to be greatest near the facilities. However, HIs for modeling points located adjacent to the city of Kenova and in areas almost two miles distant from the industrial facilities were also in excess of one.

Forty locations were designed as sensitive receptor locations in the modeling report (USEPA 2000). For Task 1 data, HIs in excess of one were found at five sensitive receptor locations based on results for the child receptor (sensitive receptor identification numbers 22- Ferndale School, 33- Citizen's residence, 35- Corn Field monitoring location, 36- Sweet Run monitoring location and 37- Centennial Drive monitoring location), and in two sensitive receptor locations based on results for the adult receptor (sensitive receptor identification numbers 33- Citizen's residence and 35- Corn Field monitoring location). For Task 3 data, HIs in excess of one were found at four sensitive receptor locations based on results for the child receptor (sensitive receptor identification numbers 33- Citizen's residence, 35- Corn Field monitoring location, 36- Sweet Run monitoring location and 37- Centennial Drive monitoring location), and in two

sensitive receptor locations based on results for the adult receptor (sensitive receptor identification numbers 33- Citizen's residence and 35- Corn Field monitoring location).

Compounds with HQs in excess of one for the child receptor included: antimony, benzene, carbon tetrachloride, chlorine, naphthalene, 1,2,4-trimethylbenzene and toluene. HQs for the COPCs acrylic acid, arsenic, furfural, and nickel were less than one at all 4022 locations. Hydrogen chloride was not a COPC for the Task 3 data set and did not exceed an HQ of one for the Task 1 data set.

Carcinogenic risks were calculated for five COPCs at 4022 receptor locations for both Task 1 and Task 3 data sets. Results for the lifetime receptor were obtained by summing risks calculated for the adult and the child residential receptor. The lifetime receptor represents an individual who would reside in the Kenova Industrial Cluster area from childhood through the age of 30.

For the lifetime, adult and child receptor, risks in excess of 1E-4 and 1E-5 were found in many locations. The highest risks were obtained at locations closest to the industrial facilities. For Task 1 data, cumulative lifetime risks were found to exceed 1E-5 at three special receptor locations (sensitive receptor identification numbers 33- Citizen's residence, 35- Corn Field monitoring location and 37- Centennial Drive monitoring location), but risks did not exceed 1E-4 for any special receptor location. Cumulative lifetime risks were found to exceed 1E-5 at four special receptor locations (sensitive receptor identification numbers 33- Citizen's residence, 35- Corn Field monitoring location, 36- Sweet Run monitoring location and 37- Centennial Drive monitoring location) for the Task 3 data set but risks did not exceed 1E-4 for any special receptor location.

Individual risks for all five carcinogenic COPCs, including arsenic, benzene, 1,3-butadiene, carbon tetrachloride and nickel, exceeded 1E-6 at numerous receptor locations for both the Task 1 and the Task 3 data sets.

An additional objective of this report was to present an evaluation of the potential acute risks to human health based on the Kenova Industrial Cluster modeling results. Health effects that humans may experience due to short-term (acute) exposures to elevated levels of airborne contaminants can vary significantly from those experienced after long-term exposure to low doses, depending on the contaminant and its concentration.

To determine the potential for adverse health effects to occur from short-term exposure to elevated levels of airborne contaminants, each modeled result from this study was compared to an acute health-based screening value, if available. Because this was a screening-level evaluation of potential acute health effects, it was assumed that if a contaminant exceeded the screening criteria then there was a potential for adverse human health effects.

Unlike the screening values developed to evaluate chronic exposures, only a limited number of benchmarks for acute inhalation exposures have been developed at this time for non-emergency acute exposures. Acute screening values used in this evaluation were derived from numerous sources. Acute screening values were developed for comparison to 1 hour concentrations of each chemical and to 24 hour concentrations of each chemical. Data used in this evaluation included the 1 hour maximum annual concentrations generated from Tasks 1 and 3 and both the 1 hour maximum concentration and the maximum 24 hour average concentration generated for the 10 one-day episodes in Task 2.

Of the modeled contaminants, three were determined to exceed the selected screening levels for all three data sets. The contaminants that exceeded the selected acute screening value were arsenic, benzene and nickel.

A ratio of the maximum modeled concentrations to the selected acute screening levels were calculated for constituents for which the maximum modeled concentration exceeded the selected acute screening value. The ratios were calculated by dividing the selected acute screening value into the maximum modeled concentration of the contaminant. The calculated ratios for arsenic ranged from 1.0 to 8.0 Calculated ratios for benzene ranged from 1.2 to 4.0. This indicated that

the maximum concentration modeled for these chemicals that exceeded the acute screening criterion only slightly exceeded their screening criteria. The calculated ratios for nickel exceedances ranged from 3.0 to 28.3. Modeled concentrations for nickel greatly exceeded the screening criterion in 10 separate modeled events. The calculation of acute risk ratios greater than one demonstrates that the potential for acute effects exists. However, the severity of the impact cannot be determined by this method.

Results from the human health risk assessment and acute evaluation were compared to the target risk levels defined in the Tri-State Geographic Initiative *Risk Management Plan* (TGI 1997d). As defined in the TGI *Risk Management Plan*, further action will be proposed if any of the following is true:

- Chronic noncarcinoginic risks are found for any individual pollutant in excess of a hazard quotient of 1.
- Chronic carcinogenic risks are found for any individual pollutant in excess of a risk level of 1E-06 (or 1 in 1,000,000)
- Any chemicals are found to exceed their literature-derived acute screening value

All three of the target risk levels were exceeded by various chemicals evaluated in this chronic quantitative human health risk assessment and in the acute human health screening evaluation indicating that a potential for adverse human health effects exists.

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Appendix A

MODELED RESULTS

Data in this file are included electronically. These data are identical to the files on the Final Air Modeling Report CD.

An example page has been included to help the reader visualize these data.

APPENDIX A
EXAMPLE PAGE

8760 HOUR AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR (ug/m**3)

ACRYLIC 1

RECEPTOR (x,y) km		VALUE	MAXIMUM CONCENTRATION
359.832	4249.938	2.02E-03	5.95E-02
359.84	4249.884	2.08E-03	
359.86	4249.794	2.21E-03	
359.875	4249.736	2.31E-03	
359.806	4249.729	2.24E-03	
359.818	4249.667	2.35E-03	
359.827	4249.617	2.44E-03	
359.836	4249.56	2.56E-03	
359.849	4249.506	2.68E-03	
359.888	4249.439	2.91E-03	
359.939	4249.397	3.12E-03	
359.984	4249.373	3.27E-03	
360.032	4249.325	3.50E-03	
360.068	4249.275	3.69E-03	
360.088	4249.225	3.88E-03	
360.06	4249.18	4.00E-03	
360.115	4249.143	4.18E-03	
360.171	4249.034	4.77E-03	
360.171	4249.149	4.25E-03	
360.198	4249.204	4.11E-03	
360.2	4249.26	3.92E-03	
360.199	4249.312	3.76E-03	
360.195	4249.375	3.55E-03	
360.191	4249.427	3.39E-03	
360.189	4249.503	3.20E-03	
360.186	4249.569	3.04E-03	
360.178	4249.644	2.89E-03	
360.178	4249.719	2.75E-03	
360.186	4249.823	2.60E-03	
360.188	4249.929	2.46E-03	
360.18	4250.032	2.37E-03	
360.091	4250.02	2.25E-03	
360.003	4250.007	2.14E-03	
359.914	4249.995	2.07E-03	
360.269	4249.127	4.57E-03	
360.334	4249.128	4.90E-03	
360.403	4249.137	5.43E-03	
360.498	4249.157	6.44E-03	
360.592	4249.185	7.54E-03	
360.678	4249.21	8.28E-03	
360.632	4249.294	7.19E-03	
360.585	4249.378	6.14E-03	
360.538	4249.462	5.23E-03	
360.491	4249.545	4.53E-03	
360.444	4249.629	3.95E-03	
360.397	4249.713	3.52E-03	
360.35	4249.797	3.13E-03	
360.277	4249.8	2.87E-03	
360.233	4249.168	4.32E-03	
360.049	4248.941	4.74E-03	

Appendix A

MODELED RESULTS

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APPENDIX A
EXAMPLE PAGE

8760 HOUR AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR (ug/m**3)

ACRYLIC 1

RECEPTOR (x,y) km		VALUE	MAXIMUM CONCENTRATION
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359.86	4249.794	2.21E-03	
359.875	4249.736	2.31E-03	
359.806	4249.729	2.24E-03	
359.818	4249.667	2.35E-03	
359.827	4249.617	2.44E-03	
359.836	4249.56	2.56E-03	
359.849	4249.506	2.68E-03	
359.888	4249.439	2.91E-03	
359.939	4249.397	3.12E-03	
359.984	4249.373	3.27E-03	
360.032	4249.325	3.50E-03	
360.068	4249.275	3.69E-03	
360.088	4249.225	3.88E-03	
360.06	4249.18	4.00E-03	
360.115	4249.143	4.18E-03	
360.171	4249.034	4.77E-03	
360.171	4249.149	4.25E-03	
360.198	4249.204	4.11E-03	
360.2	4249.26	3.92E-03	
360.199	4249.312	3.76E-03	
360.195	4249.375	3.55E-03	
360.191	4249.427	3.39E-03	
360.189	4249.503	3.20E-03	
360.186	4249.569	3.04E-03	
360.178	4249.644	2.89E-03	
360.178	4249.719	2.75E-03	
360.186	4249.823	2.60E-03	
360.188	4249.929	2.46E-03	
360.18	4250.032	2.37E-03	
360.091	4250.02	2.25E-03	
360.003	4250.007	2.14E-03	
359.914	4249.995	2.07E-03	
360.269	4249.127	4.57E-03	
360.334	4249.128	4.90E-03	
360.403	4249.137	5.43E-03	
360.498	4249.157	6.44E-03	
360.592	4249.185	7.54E-03	
360.678	4249.21	8.28E-03	
360.632	4249.294	7.19E-03	
360.585	4249.378	6.14E-03	
360.538	4249.462	5.23E-03	
360.491	4249.545	4.53E-03	
360.444	4249.629	3.95E-03	
360.397	4249.713	3.52E-03	
360.35	4249.797	3.13E-03	
360.277	4249.8	2.87E-03	
360.233	4249.168	4.32E-03	
360.049	4248.941	4.74E-03	

Appendix B

EXPOSURE POINT CONCENTRATIONS AND RISK CALCULATIONS
RME RECEPTOR

These data have been included electronically. One page from each file is included in this Appendix.

KEY TO APPENDIX B COLUMN TITLES

Receptor– East and North UTM coordinates

Concentration– Concentration of COPC

RfD or CSF– Reference dose or Cancer Slope Factor for COPC

EXP #– This factor equals all exposure factors included in the intake equation for either the lifetime, the child or the adult receptor, for calculation of either a noncarcinogenic or a carcinogenic does, using either RME or CT exposure assumptions

HQ or Risk– The calculated risk at each location for the listed receptor using RME or CT exposure assumptions

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
ANTIMONY - TASK 1

RECEPTOR (x,y) km		CONCENTRATION (ug/m3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	1.89E-02	4.00E-04	2.74E-04	1.29E-02	7.67E-04	3.62E-02
359.84	4249.884	2.00E-02	4.00E-04	2.74E-04	1.37E-02	7.67E-04	3.84E-02
359.86	4249.794	2.26E-02	4.00E-04	2.74E-04	1.55E-02	7.67E-04	4.33E-02
359.875	4249.736	2.44E-02	4.00E-04	2.74E-04	1.67E-02	7.67E-04	4.69E-02
359.806	4249.729	2.27E-02	4.00E-04	2.74E-04	1.56E-02	7.67E-04	4.36E-02
359.818	4249.667	2.46E-02	4.00E-04	2.74E-04	1.69E-02	7.67E-04	4.72E-02
359.827	4249.617	2.60E-02	4.00E-04	2.74E-04	1.78E-02	7.67E-04	4.98E-02
359.836	4249.56	2.75E-02	4.00E-04	2.74E-04	1.88E-02	7.67E-04	5.27E-02
359.849	4249.506	2.90E-02	4.00E-04	2.74E-04	1.99E-02	7.67E-04	5.57E-02
359.888	4249.439	3.29E-02	4.00E-04	2.74E-04	2.26E-02	7.67E-04	6.32E-02
359.939	4249.397	3.78E-02	4.00E-04	2.74E-04	2.59E-02	7.67E-04	7.24E-02
359.984	4249.373	4.14E-02	4.00E-04	2.74E-04	2.84E-02	7.67E-04	7.94E-02
360.032	4249.325	4.76E-02	4.00E-04	2.74E-04	3.26E-02	7.67E-04	9.12E-02
360.068	4249.275	5.22E-02	4.00E-04	2.74E-04	3.58E-02	7.67E-04	1.00E-01
360.088	4249.225	5.72E-02	4.00E-04	2.74E-04	3.92E-02	7.67E-04	1.10E-01
360.06	4249.18	5.93E-02	4.00E-04	2.74E-04	4.06E-02	7.67E-04	1.14E-01
360.115	4249.143	6.66E-02	4.00E-04	2.74E-04	4.56E-02	7.67E-04	1.28E-01
360.171	4249.034	8.96E-02	4.00E-04	2.74E-04	6.14E-02	7.67E-04	1.72E-01
360.171	4249.149	6.78E-02	4.00E-04	2.74E-04	4.65E-02	7.67E-04	1.30E-01
360.198	4249.204	6.12E-02	4.00E-04	2.74E-04	4.19E-02	7.67E-04	1.17E-01
360.2	4249.26	5.56E-02	4.00E-04	2.74E-04	3.81E-02	7.67E-04	1.07E-01
360.199	4249.312	5.12E-02	4.00E-04	2.74E-04	3.50E-02	7.67E-04	9.81E-02
360.195	4249.375	4.59E-02	4.00E-04	2.74E-04	3.15E-02	7.67E-04	8.81E-02
360.191	4249.427	4.19E-02	4.00E-04	2.74E-04	2.87E-02	7.67E-04	8.04E-02
360.189	4249.503	3.75E-02	4.00E-04	2.74E-04	2.57E-02	7.67E-04	7.19E-02
360.186	4249.569	3.46E-02	4.00E-04	2.74E-04	2.37E-02	7.67E-04	6.64E-02
360.178	4249.644	3.23E-02	4.00E-04	2.74E-04	2.21E-02	7.67E-04	6.19E-02
360.178	4249.719	2.96E-02	4.00E-04	2.74E-04	2.03E-02	7.67E-04	5.67E-02
360.186	4249.823	2.60E-02	4.00E-04	2.74E-04	1.78E-02	7.67E-04	4.98E-02
360.188	4249.929	2.26E-02	4.00E-04	2.74E-04	1.55E-02	7.67E-04	4.34E-02
360.18	4250.032	2.07E-02	4.00E-04	2.74E-04	1.42E-02	7.67E-04	3.97E-02
360.091	4250.02	2.03E-02	4.00E-04	2.74E-04	1.39E-02	7.67E-04	3.89E-02
360.003	4250.007	1.99E-02	4.00E-04	2.74E-04	1.36E-02	7.67E-04	3.81E-02
359.914	4249.995	1.92E-02	4.00E-04	2.74E-04	1.32E-02	7.67E-04	3.69E-02
360.269	4249.127	6.76E-02	4.00E-04	2.74E-04	4.63E-02	7.67E-04	1.30E-01
360.334	4249.128	6.38E-02	4.00E-04	2.74E-04	4.37E-02	7.67E-04	1.22E-01
360.403	4249.137	5.78E-02	4.00E-04	2.74E-04	3.96E-02	7.67E-04	1.11E-01
360.498	4249.157	4.96E-02	4.00E-04	2.74E-04	3.40E-02	7.67E-04	9.51E-02
360.592	4249.185	4.24E-02	4.00E-04	2.74E-04	2.91E-02	7.67E-04	8.13E-02
360.678	4249.21	3.54E-02	4.00E-04	2.74E-04	2.42E-02	7.67E-04	6.79E-02
360.632	4249.294	3.62E-02	4.00E-04	2.74E-04	2.48E-02	7.67E-04	6.94E-02
360.585	4249.378	3.60E-02	4.00E-04	2.74E-04	2.47E-02	7.67E-04	6.91E-02
360.538	4249.462	3.51E-02	4.00E-04	2.74E-04	2.40E-02	7.67E-04	6.73E-02
360.491	4249.545	3.39E-02	4.00E-04	2.74E-04	2.33E-02	7.67E-04	6.51E-02
360.444	4249.629	3.22E-02	4.00E-04	2.74E-04	2.21E-02	7.67E-04	6.17E-02
360.397	4249.713	3.03E-02	4.00E-04	2.74E-04	2.07E-02	7.67E-04	5.81E-02
360.35	4249.797	2.78E-02	4.00E-04	2.74E-04	1.91E-02	7.67E-04	5.34E-02
360.277	4249.8	2.71E-02	4.00E-04	2.74E-04	1.86E-02	7.67E-04	5.20E-02
360.233	4249.168	6.45E-02	4.00E-04	2.74E-04	4.42E-02	7.67E-04	1.24E-01
360.049	4248.941	9.56E-02	4.00E-04	2.74E-04	6.55E-02	7.67E-04	1.83E-01
359.958	4248.92	6.78E-02	4.00E-04	2.74E-04	4.64E-02	7.67E-04	1.30E-01
359.868	4248.894	6.04E-02	4.00E-04	2.74E-04	4.14E-02	7.67E-04	1.16E-01
359.743	4248.646	6.70E-02	4.00E-04	2.74E-04	4.59E-02	7.67E-04	1.28E-01
359.749	4248.592	6.59E-02	4.00E-04	2.74E-04	4.52E-02	7.67E-04	1.26E-01
359.754	4248.513	5.57E-02	4.00E-04	2.74E-04	3.82E-02	7.67E-04	1.07E-01
359.751	4248.443	5.37E-02	4.00E-04	2.74E-04	3.68E-02	7.67E-04	1.03E-01
359.839	4248.354	7.87E-02	4.00E-04	2.74E-04	5.39E-02	7.67E-04	1.51E-01
359.934	4248.308	1.40E-01	4.00E-04	2.74E-04	9.60E-02	7.67E-04	2.69E-01
360.03	4248.262	3.05E-01	4.00E-04	2.74E-04	2.09E-01	7.67E-04	5.85E-01
360.23	4248.121	9.63E-01	4.00E-04	2.74E-04	6.59E-01	7.67E-04	1.85E+00
360.196	4248.694	2.46E-01	4.00E-04	2.74E-04	1.69E-01	7.67E-04	4.72E-01
360.188	4248.787	1.70E-01	4.00E-04	2.74E-04	1.16E-01	7.67E-04	3.25E-01
360.186	4248.85	1.39E-01	4.00E-04	2.74E-04	9.55E-02	7.67E-04	2.67E-01
360.187	4248.927	1.16E-01	4.00E-04	2.74E-04	7.98E-02	7.67E-04	2.23E-01
360.728	4248.992	3.77E-02	4.00E-04	2.74E-04	2.58E-02	7.67E-04	7.22E-02
360.4	4248.912	8.80E-02	4.00E-04	2.74E-04	6.03E-02	7.67E-04	1.69E-01
360.341	4248.904	1.01E-01	4.00E-04	2.74E-04	6.92E-02	7.67E-04	1.94E-01
360.253	4248.902	1.15E-01	4.00E-04	2.74E-04	7.91E-02	7.67E-04	2.21E-01
360.239	4248.398	1.20E+00	4.00E-04	2.74E-04	8.25E-01	7.67E-04	2.31E+00
360.289	4248.002	2.94E-01	4.00E-04	2.74E-04	2.01E-01	7.67E-04	5.63E-01
360.302	4247.704	5.21E-02	4.00E-04	2.74E-04	3.57E-02	7.67E-04	9.99E-02
360.305	4247.6	3.95E-02	4.00E-04	2.74E-04	2.70E-02	7.67E-04	7.57E-02
360.302	4247.5	3.07E-02	4.00E-04	2.74E-04	2.10E-02	7.67E-04	5.89E-02
360.301	4247.402	2.52E-02	4.00E-04	2.74E-04	1.72E-02	7.67E-04	4.83E-02
360.293	4247.104	1.75E-02	4.00E-04	2.74E-04	1.20E-02	7.67E-04	3.36E-02
360.296	4246.694	1.05E-02	4.00E-04	2.74E-04	7.20E-03	7.67E-04	2.01E-02
360.295	4246.592	9.44E-03	4.00E-04	2.74E-04	6.47E-03	7.67E-04	1.81E-02
360.298	4246.497	8.40E-03	4.00E-04	2.74E-04	5.75E-03	7.67E-04	1.61E-02
360.3	4246.446	8.00E-03	4.00E-04	2.74E-04	5.48E-03	7.67E-04	1.53E-02
360.299	4246.33	7.37E-03	4.00E-04	2.74E-04	5.05E-03	7.67E-04	1.41E-02
360.328	4246.639	8.81E-03	4.00E-04	2.74E-04	6.03E-03	7.67E-04	1.69E-02
360.337	4246.747	9.31E-03	4.00E-04	2.74E-04	6.38E-03	7.67E-04	1.79E-02
360.383	4246.773	8.55E-03	4.00E-04	2.74E-04	5.86E-03	7.67E-04	1.64E-02
360.404	4246.9	9.54E-03	4.00E-04	2.74E-04	6.53E-03	7.67E-04	1.83E-02
360.413	4246.998	1.06E-02	4.00E-04	2.74E-04	7.26E-03	7.67E-04	2.03E-02
360.428	4247.101	1.21E-02	4.00E-04	2.74E-04	8.32E-03	7.67E-04	2.33E-02
360.395	4247.146	1.31E-02	4.00E-04	2.74E-04	8.98E-03	7.67E-04	2.51E-02
360.41	4247.229	1.48E-02	4.00E-04	2.74E-04	1.01E-02	7.67E-04	2.83E-02
360.426	4247.312	1.69E-02	4.00E-04	2.74E-04	1.16E-02	7.67E-04	3.24E-02
360.481	4247.39	2.14E-02	4.00E-04	2.74E-04	1.46E-02	7.67E-04	4.10E-02

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
ACRYLIC ACID - TASK 1 - REASONABLE MAXIMUM EXPOSURE

RECEPTOR (x,y) km		CONCENTRATION (ug/m3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	2.02E-03	2.86E-04	2.74E-04	1.94E-03	7.67E-04	5.42E-03
359.84	4249.884	2.08E-03	2.86E-04	2.74E-04	1.99E-03	7.67E-04	5.57E-03
359.86	4249.794	2.21E-03	2.86E-04	2.74E-04	2.12E-03	7.67E-04	5.94E-03
359.875	4249.736	2.31E-03	2.86E-04	2.74E-04	2.22E-03	7.67E-04	6.20E-03
359.806	4249.729	2.24E-03	2.86E-04	2.74E-04	2.15E-03	7.67E-04	6.01E-03
359.818	4249.667	2.35E-03	2.86E-04	2.74E-04	2.25E-03	7.67E-04	6.31E-03
359.827	4249.617	2.44E-03	2.86E-04	2.74E-04	2.34E-03	7.67E-04	6.56E-03
359.836	4249.56	2.56E-03	2.86E-04	2.74E-04	2.45E-03	7.67E-04	6.85E-03
359.849	4249.506	2.68E-03	2.86E-04	2.74E-04	2.57E-03	7.67E-04	7.18E-03
359.888	4249.439	2.91E-03	2.86E-04	2.74E-04	2.78E-03	7.67E-04	7.79E-03
359.939	4249.397	3.12E-03	2.86E-04	2.74E-04	2.99E-03	7.67E-04	8.38E-03
359.984	4249.373	3.27E-03	2.86E-04	2.74E-04	3.13E-03	7.67E-04	8.76E-03
360.032	4249.325	3.50E-03	2.86E-04	2.74E-04	3.35E-03	7.67E-04	9.38E-03
360.068	4249.275	3.69E-03	2.86E-04	2.74E-04	3.53E-03	7.67E-04	9.89E-03
360.088	4249.225	3.88E-03	2.86E-04	2.74E-04	3.72E-03	7.67E-04	1.04E-02
360.06	4249.18	4.00E-03	2.86E-04	2.74E-04	3.83E-03	7.67E-04	1.07E-02
360.115	4249.143	4.18E-03	2.86E-04	2.74E-04	4.01E-03	7.67E-04	1.12E-02
360.171	4249.034	4.77E-03	2.86E-04	2.74E-04	4.57E-03	7.67E-04	1.28E-02
360.171	4249.149	4.25E-03	2.86E-04	2.74E-04	4.08E-03	7.67E-04	1.14E-02
360.198	4249.204	4.11E-03	2.86E-04	2.74E-04	3.94E-03	7.67E-04	1.10E-02
360.2	4249.26	3.92E-03	2.86E-04	2.74E-04	3.76E-03	7.67E-04	1.05E-02
360.199	4249.312	3.76E-03	2.86E-04	2.74E-04	3.60E-03	7.67E-04	1.01E-02
360.195	4249.375	3.55E-03	2.86E-04	2.74E-04	3.40E-03	7.67E-04	9.53E-03
360.191	4249.427	3.39E-03	2.86E-04	2.74E-04	3.25E-03	7.67E-04	9.09E-03
360.189	4249.503	3.20E-03	2.86E-04	2.74E-04	3.06E-03	7.67E-04	8.57E-03
360.186	4249.569	3.04E-03	2.86E-04	2.74E-04	2.92E-03	7.67E-04	8.16E-03
360.178	4249.644	2.89E-03	2.86E-04	2.74E-04	2.77E-03	7.67E-04	7.74E-03
360.178	4249.719	2.75E-03	2.86E-04	2.74E-04	2.64E-03	7.67E-04	7.38E-03
360.186	4249.823	2.60E-03	2.86E-04	2.74E-04	2.50E-03	7.67E-04	6.99E-03
360.188	4249.929	2.46E-03	2.86E-04	2.74E-04	2.36E-03	7.67E-04	6.61E-03
360.18	4250.032	2.37E-03	2.86E-04	2.74E-04	2.27E-03	7.67E-04	6.36E-03
360.091	4250.02	2.25E-03	2.86E-04	2.74E-04	2.16E-03	7.67E-04	6.03E-03
360.003	4250.007	2.14E-03	2.86E-04	2.74E-04	2.05E-03	7.67E-04	5.75E-03
359.914	4249.995	2.07E-03	2.86E-04	2.74E-04	1.98E-03	7.67E-04	5.55E-03
360.269	4249.127	4.57E-03	2.86E-04	2.74E-04	4.38E-03	7.67E-04	1.22E-02
360.334	4249.128	4.90E-03	2.86E-04	2.74E-04	4.69E-03	7.67E-04	1.31E-02
360.403	4249.137	5.43E-03	2.86E-04	2.74E-04	5.20E-03	7.67E-04	1.46E-02
360.498	4249.157	6.44E-03	2.86E-04	2.74E-04	6.17E-03	7.67E-04	1.73E-02
360.592	4249.185	7.54E-03	2.86E-04	2.74E-04	7.23E-03	7.67E-04	2.02E-02
360.678	4249.21	8.28E-03	2.86E-04	2.74E-04	7.93E-03	7.67E-04	2.22E-02
360.632	4249.294	7.19E-03	2.86E-04	2.74E-04	6.89E-03	7.67E-04	1.93E-02
360.585	4249.378	6.14E-03	2.86E-04	2.74E-04	5.88E-03	7.67E-04	1.65E-02
360.538	4249.462	5.23E-03	2.86E-04	2.74E-04	5.01E-03	7.67E-04	1.40E-02
360.491	4249.545	4.53E-03	2.86E-04	2.74E-04	4.34E-03	7.67E-04	1.21E-02
360.444	4249.629	3.95E-03	2.86E-04	2.74E-04	3.79E-03	7.67E-04	1.06E-02
360.397	4249.713	3.52E-03	2.86E-04	2.74E-04	3.37E-03	7.67E-04	9.43E-03
360.35	4249.797	3.13E-03	2.86E-04	2.74E-04	3.00E-03	7.67E-04	8.40E-03
360.277	4249.8	2.87E-03	2.86E-04	2.74E-04	2.75E-03	7.67E-04	7.70E-03
360.233	4249.168	4.32E-03	2.86E-04	2.74E-04	4.14E-03	7.67E-04	1.16E-02
360.049	4248.941	4.74E-03	2.86E-04	2.74E-04	4.54E-03	7.67E-04	1.27E-02
359.958	4248.92	4.24E-03	2.86E-04	2.74E-04	4.06E-03	7.67E-04	1.14E-02
359.868	4248.894	3.96E-03	2.86E-04	2.74E-04	3.79E-03	7.67E-04	1.06E-02
359.743	4248.646	2.92E-03	2.86E-04	2.74E-04	2.80E-03	7.67E-04	7.83E-03
359.749	4248.592	2.75E-03	2.86E-04	2.74E-04	2.63E-03	7.67E-04	7.36E-03
359.754	4248.513	2.43E-03	2.86E-04	2.74E-04	2.33E-03	7.67E-04	6.51E-03
359.751	4248.443	2.17E-03	2.86E-04	2.74E-04	2.08E-03	7.67E-04	5.83E-03
359.839	4248.354	2.05E-03	2.86E-04	2.74E-04	1.97E-03	7.67E-04	5.51E-03
359.934	4248.308	2.15E-03	2.86E-04	2.74E-04	2.06E-03	7.67E-04	5.78E-03
360.03	4248.262	2.24E-03	2.86E-04	2.74E-04	2.14E-03	7.67E-04	6.00E-03
360.23	4248.121	2.48E-03	2.86E-04	2.74E-04	2.37E-03	7.67E-04	6.64E-03
360.196	4248.694	5.34E-03	2.86E-04	2.74E-04	5.12E-03	7.67E-04	1.43E-02
360.188	4248.787	5.38E-03	2.86E-04	2.74E-04	5.16E-03	7.67E-04	1.44E-02
360.186	4248.85	5.31E-03	2.86E-04	2.74E-04	5.09E-03	7.67E-04	1.42E-02
360.187	4248.927	5.16E-03	2.86E-04	2.74E-04	4.95E-03	7.67E-04	1.38E-02
360.728	4248.992	1.04E-02	2.86E-04	2.74E-04	9.99E-03	7.67E-04	2.80E-02
360.4	4248.912	6.26E-03	2.86E-04	2.74E-04	6.00E-03	7.67E-04	1.68E-02
360.341	4248.904	5.78E-03	2.86E-04	2.74E-04	5.54E-03	7.67E-04	1.55E-02
360.253	4248.902	5.37E-03	2.86E-04	2.74E-04	5.15E-03	7.67E-04	1.44E-02
360.239	4248.398	4.31E-03	2.86E-04	2.74E-04	4.13E-03	7.67E-04	1.16E-02
360.289	4248.002	2.39E-03	2.86E-04	2.74E-04	2.29E-03	7.67E-04	6.41E-03
360.302	4247.704	2.23E-03	2.86E-04	2.74E-04	2.13E-03	7.67E-04	5.97E-03
360.305	4247.6	3.14E-03	2.86E-04	2.74E-04	3.01E-03	7.67E-04	8.43E-03

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
ARSENIC - TASK 1

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	1.01E-03	3.00E-04	2.74E-04	9.21E-04	7.67E-04	2.58E-03
359.84	4249.884	1.05E-03	3.00E-04	2.74E-04	9.62E-04	7.67E-04	2.69E-03
359.86	4249.794	1.16E-03	3.00E-04	2.74E-04	1.06E-03	7.67E-04	2.96E-03
359.875	4249.736	1.23E-03	3.00E-04	2.74E-04	1.12E-03	7.67E-04	3.14E-03
359.806	4249.729	1.16E-03	3.00E-04	2.74E-04	1.06E-03	7.67E-04	2.95E-03
359.818	4249.667	1.23E-03	3.00E-04	2.74E-04	1.12E-03	7.67E-04	3.14E-03
359.827	4249.617	1.28E-03	3.00E-04	2.74E-04	1.17E-03	7.67E-04	3.28E-03
359.836	4249.56	1.34E-03	3.00E-04	2.74E-04	1.22E-03	7.67E-04	3.42E-03
359.849	4249.506	1.40E-03	3.00E-04	2.74E-04	1.28E-03	7.67E-04	3.59E-03
359.888	4249.439	1.56E-03	3.00E-04	2.74E-04	1.42E-03	7.67E-04	3.98E-03
359.939	4249.397	1.75E-03	3.00E-04	2.74E-04	1.60E-03	7.67E-04	4.47E-03
359.984	4249.373	1.90E-03	3.00E-04	2.74E-04	1.73E-03	7.67E-04	4.85E-03
360.032	4249.325	2.15E-03	3.00E-04	2.74E-04	1.96E-03	7.67E-04	5.48E-03
360.068	4249.275	2.32E-03	3.00E-04	2.74E-04	2.12E-03	7.67E-04	5.93E-03
360.088	4249.225	2.48E-03	3.00E-04	2.74E-04	2.27E-03	7.67E-04	6.34E-03
360.06	4249.18	2.49E-03	3.00E-04	2.74E-04	2.27E-03	7.67E-04	6.37E-03
360.115	4249.143	2.74E-03	3.00E-04	2.74E-04	2.50E-03	7.67E-04	7.00E-03
360.171	4249.034	3.47E-03	3.00E-04	2.74E-04	3.17E-03	7.67E-04	8.87E-03
360.171	4249.149	2.88E-03	3.00E-04	2.74E-04	2.63E-03	7.67E-04	7.37E-03
360.198	4249.204	2.76E-03	3.00E-04	2.74E-04	2.52E-03	7.67E-04	7.06E-03
360.2	4249.26	2.61E-03	3.00E-04	2.74E-04	2.38E-03	7.67E-04	6.66E-03
360.199	4249.312	2.46E-03	3.00E-04	2.74E-04	2.25E-03	7.67E-04	6.30E-03
360.195	4249.375	2.27E-03	3.00E-04	2.74E-04	2.08E-03	7.67E-04	5.82E-03
360.191	4249.427	2.12E-03	3.00E-04	2.74E-04	1.94E-03	7.67E-04	5.42E-03
360.189	4249.503	1.96E-03	3.00E-04	2.74E-04	1.79E-03	7.67E-04	5.00E-03
360.186	4249.569	1.84E-03	3.00E-04	2.74E-04	1.68E-03	7.67E-04	4.70E-03
360.178	4249.644	1.73E-03	3.00E-04	2.74E-04	1.58E-03	7.67E-04	4.43E-03
360.178	4249.719	1.62E-03	3.00E-04	2.74E-04	1.48E-03	7.67E-04	4.15E-03
360.186	4249.823	1.48E-03	3.00E-04	2.74E-04	1.35E-03	7.67E-04	3.78E-03
360.188	4249.929	1.33E-03	3.00E-04	2.74E-04	1.22E-03	7.67E-04	3.40E-03
360.18	4250.032	1.25E-03	3.00E-04	2.74E-04	1.14E-03	7.67E-04	3.19E-03
360.091	4250.02	1.20E-03	3.00E-04	2.74E-04	1.10E-03	7.67E-04	3.07E-03
360.003	4250.007	1.12E-03	3.00E-04	2.74E-04	1.03E-03	7.67E-04	2.87E-03
359.914	4249.995	1.05E-03	3.00E-04	2.74E-04	9.61E-04	7.67E-04	2.69E-03
360.269	4249.127	3.04E-03	3.00E-04	2.74E-04	2.78E-03	7.67E-04	7.78E-03
360.334	4249.128	3.05E-03	3.00E-04	2.74E-04	2.78E-03	7.67E-04	7.80E-03
360.403	4249.137	2.99E-03	3.00E-04	2.74E-04	2.73E-03	7.67E-04	7.63E-03
360.498	4249.157	2.82E-03	3.00E-04	2.74E-04	2.58E-03	7.67E-04	7.21E-03
360.592	4249.185	2.63E-03	3.00E-04	2.74E-04	2.40E-03	7.67E-04	6.72E-03
360.678	4249.21	2.35E-03	3.00E-04	2.74E-04	2.15E-03	7.67E-04	6.01E-03
360.632	4249.294	2.33E-03	3.00E-04	2.74E-04	2.12E-03	7.67E-04	5.95E-03
360.585	4249.378	2.27E-03	3.00E-04	2.74E-04	2.07E-03	7.67E-04	5.80E-03
360.538	4249.462	2.17E-03	3.00E-04	2.74E-04	1.98E-03	7.67E-04	5.54E-03
360.491	4249.545	2.06E-03	3.00E-04	2.74E-04	1.88E-03	7.67E-04	5.27E-03
360.444	4249.629	1.92E-03	3.00E-04	2.74E-04	1.75E-03	7.67E-04	4.91E-03
360.397	4249.713	1.78E-03	3.00E-04	2.74E-04	1.63E-03	7.67E-04	4.56E-03
360.35	4249.797	1.62E-03	3.00E-04	2.74E-04	1.48E-03	7.67E-04	4.14E-03
360.277	4249.8	1.56E-03	3.00E-04	2.74E-04	1.42E-03	7.67E-04	3.99E-03
360.233	4249.168	2.91E-03	3.00E-04	2.74E-04	2.66E-03	7.67E-04	7.45E-03
360.049	4248.941	3.42E-03	3.00E-04	2.74E-04	3.13E-03	7.67E-04	8.75E-03
359.958	4248.92	2.57E-03	3.00E-04	2.74E-04	2.34E-03	7.67E-04	6.56E-03
359.868	4248.894	2.33E-03	3.00E-04	2.74E-04	2.13E-03	7.67E-04	5.95E-03
359.743	4248.646	2.04E-03	3.00E-04	2.74E-04	1.86E-03	7.67E-04	5.22E-03
359.749	4248.592	2.00E-03	3.00E-04	2.74E-04	1.83E-03	7.67E-04	5.12E-03
359.754	4248.513	1.77E-03	3.00E-04	2.74E-04	1.61E-03	7.67E-04	4.52E-03
359.751	4248.443	1.72E-03	3.00E-04	2.74E-04	1.57E-03	7.67E-04	4.39E-03
359.839	4248.354	2.26E-03	3.00E-04	2.74E-04	2.07E-03	7.67E-04	5.78E-03
359.934	4248.308	3.59E-03	3.00E-04	2.74E-04	3.28E-03	7.67E-04	9.19E-03
360.03	4248.262	6.80E-03	3.00E-04	2.74E-04	6.21E-03	7.67E-04	1.74E-02
360.23	4248.121	2.03E-02	3.00E-04	2.74E-04	1.86E-02	7.67E-04	5.19E-02
360.196	4248.694	6.70E-03	3.00E-04	2.74E-04	6.12E-03	7.67E-04	1.71E-02
360.188	4248.787	5.08E-03	3.00E-04	2.74E-04	4.64E-03	7.67E-04	1.30E-02
360.186	4248.85	4.46E-03	3.00E-04	2.74E-04	4.07E-03	7.67E-04	1.14E-02

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
BENZENE - TASK 1

RECEPTOR (x,y) km		CONCENTRATION (ug/m3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	7.29E-01	1.70E-03	2.74E-04	1.17E-01	7.67E-04	3.29E-01
359.84	4249.884	7.73E-01	1.70E-03	2.74E-04	1.25E-01	7.67E-04	3.49E-01
359.86	4249.794	8.63E-01	1.70E-03	2.74E-04	1.39E-01	7.67E-04	3.89E-01
359.875	4249.736	9.30E-01	1.70E-03	2.74E-04	1.50E-01	7.67E-04	4.20E-01
359.806	4249.729	8.83E-01	1.70E-03	2.74E-04	1.42E-01	7.67E-04	3.99E-01
359.818	4249.667	9.55E-01	1.70E-03	2.74E-04	1.54E-01	7.67E-04	4.31E-01
359.827	4249.617	1.02E+00	1.70E-03	2.74E-04	1.64E-01	7.67E-04	4.59E-01
359.836	4249.56	1.09E+00	1.70E-03	2.74E-04	1.76E-01	7.67E-04	4.93E-01
359.849	4249.506	1.17E+00	1.70E-03	2.74E-04	1.89E-01	7.67E-04	5.30E-01
359.888	4249.439	1.32E+00	1.70E-03	2.74E-04	2.12E-01	7.67E-04	5.95E-01
359.939	4249.397	1.46E+00	1.70E-03	2.74E-04	2.36E-01	7.67E-04	6.60E-01
359.984	4249.373	1.58E+00	1.70E-03	2.74E-04	2.55E-01	7.67E-04	7.13E-01
360.032	4249.325	1.78E+00	1.70E-03	2.74E-04	2.88E-01	7.67E-04	8.05E-01
360.068	4249.275	1.99E+00	1.70E-03	2.74E-04	3.20E-01	7.67E-04	8.97E-01
360.088	4249.225	2.19E+00	1.70E-03	2.74E-04	3.52E-01	7.67E-04	9.86E-01
360.06	4249.18	2.22E+00	1.70E-03	2.74E-04	3.58E-01	7.67E-04	1.00E+00
360.115	4249.143	2.41E+00	1.70E-03	2.74E-04	3.88E-01	7.67E-04	1.09E+00
360.171	4249.034	3.31E+00	1.70E-03	2.74E-04	5.34E-01	7.67E-04	1.49E+00
360.171	4249.149	2.73E+00	1.70E-03	2.74E-04	4.41E-01	7.67E-04	1.23E+00
360.198	4249.204	2.62E+00	1.70E-03	2.74E-04	4.23E-01	7.67E-04	1.18E+00
360.2	4249.26	2.41E+00	1.70E-03	2.74E-04	3.89E-01	7.67E-04	1.09E+00
360.199	4249.312	2.23E+00	1.70E-03	2.74E-04	3.59E-01	7.67E-04	1.00E+00
360.195	4249.375	2.01E+00	1.70E-03	2.74E-04	3.24E-01	7.67E-04	9.06E-01
360.191	4249.427	1.85E+00	1.70E-03	2.74E-04	2.98E-01	7.67E-04	8.33E-01
360.189	4249.503	1.67E+00	1.70E-03	2.74E-04	2.69E-01	7.67E-04	7.53E-01
360.186	4249.569	1.53E+00	1.70E-03	2.74E-04	2.47E-01	7.67E-04	6.90E-01
360.178	4249.644	1.40E+00	1.70E-03	2.74E-04	2.25E-01	7.67E-04	6.30E-01
360.178	4249.719	1.29E+00	1.70E-03	2.74E-04	2.08E-01	7.67E-04	5.81E-01
360.186	4249.823	1.16E+00	1.70E-03	2.74E-04	1.87E-01	7.67E-04	5.23E-01
360.188	4249.929	1.03E+00	1.70E-03	2.74E-04	1.66E-01	7.67E-04	4.65E-01
360.18	4250.032	9.21E-01	1.70E-03	2.74E-04	1.48E-01	7.67E-04	4.16E-01
360.091	4250.02	8.48E-01	1.70E-03	2.74E-04	1.37E-01	7.67E-04	3.83E-01
360.003	4250.007	7.88E-01	1.70E-03	2.74E-04	1.27E-01	7.67E-04	3.56E-01
359.914	4249.995	7.39E-01	1.70E-03	2.74E-04	1.19E-01	7.67E-04	3.34E-01
360.269	4249.127	3.20E+00	1.70E-03	2.74E-04	5.16E-01	7.67E-04	1.45E+00
360.334	4249.128	3.44E+00	1.70E-03	2.74E-04	5.55E-01	7.67E-04	1.55E+00
360.403	4249.137	3.69E+00	1.70E-03	2.74E-04	5.94E-01	7.67E-04	1.66E+00
360.498	4249.157	4.10E+00	1.70E-03	2.74E-04	6.62E-01	7.67E-04	1.85E+00
360.592	4249.185	3.93E+00	1.70E-03	2.74E-04	6.33E-01	7.67E-04	1.77E+00
360.678	4249.21	3.22E+00	1.70E-03	2.74E-04	5.19E-01	7.67E-04	1.45E+00
360.632	4249.294	2.71E+00	1.70E-03	2.74E-04	4.37E-01	7.67E-04	1.22E+00
360.585	4249.378	2.33E+00	1.70E-03	2.74E-04	3.76E-01	7.67E-04	1.05E+00
360.538	4249.462	2.01E+00	1.70E-03	2.74E-04	3.24E-01	7.67E-04	9.06E-01
360.491	4249.545	1.80E+00	1.70E-03	2.74E-04	2.90E-01	7.67E-04	8.13E-01
360.444	4249.629	1.57E+00	1.70E-03	2.74E-04	2.52E-01	7.67E-04	7.07E-01
360.397	4249.713	1.42E+00	1.70E-03	2.74E-04	2.29E-01	7.67E-04	6.42E-01
360.35	4249.797	1.27E+00	1.70E-03	2.74E-04	2.05E-01	7.67E-04	5.73E-01
360.277	4249.8	1.27E+00	1.70E-03	2.74E-04	2.04E-01	7.67E-04	5.72E-01
360.233	4249.168	2.93E+00	1.70E-03	2.74E-04	4.72E-01	7.67E-04	1.32E+00
360.049	4248.941	2.97E+00	1.70E-03	2.74E-04	4.79E-01	7.67E-04	1.34E+00
359.958	4248.92	2.52E+00	1.70E-03	2.74E-04	4.07E-01	7.67E-04	1.14E+00
359.868	4248.894	2.29E+00	1.70E-03	2.74E-04	3.69E-01	7.67E-04	1.03E+00
359.743	4248.646	2.09E+00	1.70E-03	2.74E-04	3.36E-01	7.67E-04	9.41E-01
359.749	4248.592	2.12E+00	1.70E-03	2.74E-04	3.41E-01	7.67E-04	9.55E-01
359.754	4248.513	2.15E+00	1.70E-03	2.74E-04	3.47E-01	7.67E-04	9.72E-01
359.751	4248.443	2.20E+00	1.70E-03	2.74E-04	3.54E-01	7.67E-04	9.91E-01
359.839	4248.354	2.76E+00	1.70E-03	2.74E-04	4.44E-01	7.67E-04	1.24E+00
359.934	4248.308	3.53E+00	1.70E-03	2.74E-04	5.69E-01	7.67E-04	1.59E+00
360.03	4248.262	4.61E+00	1.70E-03	2.74E-04	7.43E-01	7.67E-04	2.08E+00
360.23	4248.121	1.19E+01	1.70E-03	2.74E-04	1.93E+00	7.67E-04	5.39E+00
360.196	4248.694	5.63E+00	1.70E-03	2.74E-04	9.08E-01	7.67E-04	2.54E+00
360.188	4248.787	4.89E+00	1.70E-03	2.74E-04	7.88E-01	7.67E-04	2.20E+00
360.186	4248.85	4.47E+00	1.70E-03	2.74E-04	7.21E-01	7.67E-04	2.02E+00
360.187	4248.927	4.02E+00	1.70E-03	2.74E-04	6.48E-01	7.67E-04	1.81E+00
360.728	4248.992	5.75E+00	1.70E-03	2.74E-04	9.26E-01	7.67E-04	2.59E+00
360.4	4248.912	7.17E+00	1.70E-03	2.74E-04	1.16E+00	7.67E-04	3.23E+00
360.341	4248.904	6.34E+00	1.70E-03	2.74E-04	1.02E+00	7.67E-04	2.86E+00
360.253	4248.902	4.92E+00	1.70E-03	2.74E-04	7.93E-01	7.67E-04	2.22E+00
360.239	4248.398	8.06E+00	1.70E-03	2.74E-04	1.30E+00	7.67E-04	3.64E+00
360.289	4248.002	2.34E+01	1.70E-03	2.74E-04	3.78E+00	7.67E-04	1.06E+01
360.302	4247.704	2.27E+02	1.70E-03	2.74E-04	3.65E+01	7.67E-04	1.02E+02
360.305	4247.6	1.53E+01	1.70E-03	2.74E-04	2.46E+00	7.67E-04	6.89E+00

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
CARBON TETRACHLORIDE - TASK 1

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	3.68E-02	5.71E-04	2.74E-04	1.76E-02	7.67E-04	4.94E-02
359.84	4249.884	4.02E-02	5.71E-04	2.74E-04	1.93E-02	7.67E-04	5.40E-02
359.86	4249.794	4.72E-02	5.71E-04	2.74E-04	2.26E-02	7.67E-04	6.34E-02
359.875	4249.736	5.26E-02	5.71E-04	2.74E-04	2.52E-02	7.67E-04	7.06E-02
359.806	4249.729	4.76E-02	5.71E-04	2.74E-04	2.29E-02	7.67E-04	6.40E-02
359.818	4249.667	5.31E-02	5.71E-04	2.74E-04	2.55E-02	7.67E-04	7.13E-02
359.827	4249.617	5.81E-02	5.71E-04	2.74E-04	2.79E-02	7.67E-04	7.80E-02
359.836	4249.56	6.42E-02	5.71E-04	2.74E-04	3.08E-02	7.67E-04	8.62E-02
359.849	4249.506	7.11E-02	5.71E-04	2.74E-04	3.41E-02	7.67E-04	9.56E-02
359.888	4249.439	8.44E-02	5.71E-04	2.74E-04	4.05E-02	7.67E-04	1.13E-01
359.939	4249.397	9.97E-02	5.71E-04	2.74E-04	4.78E-02	7.67E-04	1.34E-01
359.984	4249.373	1.14E-01	5.71E-04	2.74E-04	5.45E-02	7.67E-04	1.53E-01
360.032	4249.325	1.37E-01	5.71E-04	2.74E-04	6.56E-02	7.67E-04	1.84E-01
360.068	4249.275	1.61E-01	5.71E-04	2.74E-04	7.72E-02	7.67E-04	2.16E-01
360.088	4249.225	1.84E-01	5.71E-04	2.74E-04	8.84E-02	7.67E-04	2.47E-01
360.06	4249.18	1.82E-01	5.71E-04	2.74E-04	8.74E-02	7.67E-04	2.45E-01
360.115	4249.143	2.28E-01	5.71E-04	2.74E-04	1.09E-01	7.67E-04	3.06E-01
360.171	4249.034	3.36E-01	5.71E-04	2.74E-04	1.61E-01	7.67E-04	4.52E-01
360.171	4249.149	2.75E-01	5.71E-04	2.74E-04	1.32E-01	7.67E-04	3.69E-01
360.198	4249.204	2.65E-01	5.71E-04	2.74E-04	1.27E-01	7.67E-04	3.56E-01
360.2	4249.26	2.34E-01	5.71E-04	2.74E-04	1.12E-01	7.67E-04	3.15E-01
360.199	4249.312	2.09E-01	5.71E-04	2.74E-04	1.00E-01	7.67E-04	2.80E-01
360.195	4249.375	1.82E-01	5.71E-04	2.74E-04	8.74E-02	7.67E-04	2.45E-01
360.191	4249.427	1.63E-01	5.71E-04	2.74E-04	7.84E-02	7.67E-04	2.19E-01
360.189	4249.503	1.40E-01	5.71E-04	2.74E-04	6.72E-02	7.67E-04	1.88E-01
360.186	4249.569	1.22E-01	5.71E-04	2.74E-04	5.87E-02	7.67E-04	1.64E-01
360.178	4249.644	1.04E-01	5.71E-04	2.74E-04	4.99E-02	7.67E-04	1.40E-01
360.178	4249.719	9.01E-02	5.71E-04	2.74E-04	4.33E-02	7.67E-04	1.21E-01
360.186	4249.823	7.46E-02	5.71E-04	2.74E-04	3.58E-02	7.67E-04	1.00E-01
360.188	4249.929	6.11E-02	5.71E-04	2.74E-04	2.93E-02	7.67E-04	8.20E-02
360.18	4250.032	5.05E-02	5.71E-04	2.74E-04	2.42E-02	7.67E-04	6.78E-02
360.091	4250.02	4.57E-02	5.71E-04	2.74E-04	2.19E-02	7.67E-04	6.14E-02
360.003	4250.007	4.19E-02	5.71E-04	2.74E-04	2.01E-02	7.67E-04	5.63E-02
359.914	4249.995	3.80E-02	5.71E-04	2.74E-04	1.82E-02	7.67E-04	5.10E-02
360.269	4249.127	4.27E-01	5.71E-04	2.74E-04	2.05E-01	7.67E-04	5.74E-01
360.334	4249.128	5.68E-01	5.71E-04	2.74E-04	2.73E-01	7.67E-04	7.64E-01
360.403	4249.137	7.43E-01	5.71E-04	2.74E-04	3.56E-01	7.67E-04	9.98E-01
360.498	4249.157	9.32E-01	5.71E-04	2.74E-04	4.47E-01	7.67E-04	1.25E+00
360.592	4249.185	8.05E-01	5.71E-04	2.74E-04	3.86E-01	7.67E-04	1.08E+00
360.678	4249.21	5.70E-01	5.71E-04	2.74E-04	2.74E-01	7.67E-04	7.66E-01
360.632	4249.294	4.28E-01	5.71E-04	2.74E-04	2.05E-01	7.67E-04	5.75E-01
360.585	4249.378	3.11E-01	5.71E-04	2.74E-04	1.49E-01	7.67E-04	4.18E-01
360.538	4249.462	2.19E-01	5.71E-04	2.74E-04	1.05E-01	7.67E-04	2.94E-01
360.491	4249.545	1.77E-01	5.71E-04	2.74E-04	8.51E-02	7.67E-04	2.38E-01
360.444	4249.629	1.24E-01	5.71E-04	2.74E-04	5.96E-02	7.67E-04	1.67E-01
360.397	4249.713	1.11E-01	5.71E-04	2.74E-04	5.32E-02	7.67E-04	1.49E-01
360.35	4249.797	9.07E-02	5.71E-04	2.74E-04	4.35E-02	7.67E-04	1.22E-01
360.277	4249.8	8.93E-02	5.71E-04	2.74E-04	4.29E-02	7.67E-04	1.20E-01
360.233	4249.168	3.28E-01	5.71E-04	2.74E-04	1.57E-01	7.67E-04	4.40E-01
360.049	4248.941	2.01E-01	5.71E-04	2.74E-04	9.65E-02	7.67E-04	2.70E-01
359.958	4248.92	1.44E-01	5.71E-04	2.74E-04	6.90E-02	7.67E-04	1.93E-01
359.868	4248.894	1.08E-01	5.71E-04	2.74E-04	5.17E-02	7.67E-04	1.45E-01
359.743	4248.646	6.55E-02	5.71E-04	2.74E-04	3.14E-02	7.67E-04	8.80E-02
359.749	4248.592	6.31E-02	5.71E-04	2.74E-04	3.03E-02	7.67E-04	8.47E-02
359.754	4248.513	5.83E-02	5.71E-04	2.74E-04	2.80E-02	7.67E-04	7.83E-02
359.751	4248.443	5.24E-02	5.71E-04	2.74E-04	2.52E-02	7.67E-04	7.04E-02
359.839	4248.354	5.45E-02	5.71E-04	2.74E-04	2.61E-02	7.67E-04	7.31E-02
359.934	4248.308	6.06E-02	5.71E-04	2.74E-04	2.91E-02	7.67E-04	8.14E-02
360.03	4248.262	6.57E-02	5.71E-04	2.74E-04	3.15E-02	7.67E-04	8.82E-02
360.23	4248.121	5.70E-02	5.71E-04	2.74E-04	2.74E-02	7.67E-04	7.66E-02
360.196	4248.694	3.38E-01	5.71E-04	2.74E-04	1.62E-01	7.67E-04	4.54E-01
360.188	4248.787	3.76E-01	5.71E-04	2.74E-04	1.81E-01	7.67E-04	5.05E-01
360.186	4248.85	3.91E-01	5.71E-04	2.74E-04	1.87E-01	7.67E-04	5.25E-01

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
CHLORINE - TASK 1

RECEPTOR (x,y) km		CONCENTRATION (ug/m3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	1.62E-01	5.70E-05	2.74E-04	7.78E-01	7.67E-04	2.18E+00
359.84	4249.884	1.74E-01	5.70E-05	2.74E-04	8.39E-01	7.67E-04	2.35E+00
359.86	4249.794	2.00E-01	5.70E-05	2.74E-04	9.60E-01	7.67E-04	2.69E+00
359.875	4249.736	2.18E-01	5.70E-05	2.74E-04	1.05E+00	7.67E-04	2.93E+00
359.806	4249.729	2.06E-01	5.70E-05	2.74E-04	9.90E-01	7.67E-04	2.77E+00
359.818	4249.667	2.24E-01	5.70E-05	2.74E-04	1.08E+00	7.67E-04	3.02E+00
359.827	4249.617	2.37E-01	5.70E-05	2.74E-04	1.14E+00	7.67E-04	3.19E+00
359.836	4249.56	2.38E-01	5.70E-05	2.74E-04	1.14E+00	7.67E-04	3.20E+00
359.849	4249.506	2.38E-01	5.70E-05	2.74E-04	1.14E+00	7.67E-04	3.20E+00
359.888	4249.439	2.63E-01	5.70E-05	2.74E-04	1.27E+00	7.67E-04	3.54E+00
359.939	4249.397	3.10E-01	5.70E-05	2.74E-04	1.49E+00	7.67E-04	4.17E+00
359.984	4249.373	3.45E-01	5.70E-05	2.74E-04	1.66E+00	7.67E-04	4.64E+00
360.032	4249.325	4.13E-01	5.70E-05	2.74E-04	1.99E+00	7.67E-04	5.56E+00
360.068	4249.275	4.33E-01	5.70E-05	2.74E-04	2.08E+00	7.67E-04	5.83E+00
360.088	4249.225	4.68E-01	5.70E-05	2.74E-04	2.25E+00	7.67E-04	6.30E+00
360.06	4249.18	4.73E-01	5.70E-05	2.74E-04	2.27E+00	7.67E-04	6.36E+00
360.115	4249.143	5.36E-01	5.70E-05	2.74E-04	2.58E+00	7.67E-04	7.21E+00
360.171	4249.034	8.67E-01	5.70E-05	2.74E-04	4.17E+00	7.67E-04	1.17E+01
360.171	4249.149	6.14E-01	5.70E-05	2.74E-04	2.95E+00	7.67E-04	8.27E+00
360.198	4249.204	5.89E-01	5.70E-05	2.74E-04	2.83E+00	7.67E-04	7.92E+00
360.2	4249.26	5.32E-01	5.70E-05	2.74E-04	2.56E+00	7.67E-04	7.16E+00
360.199	4249.312	4.87E-01	5.70E-05	2.74E-04	2.34E+00	7.67E-04	6.55E+00
360.195	4249.375	4.33E-01	5.70E-05	2.74E-04	2.08E+00	7.67E-04	5.82E+00
360.191	4249.427	3.93E-01	5.70E-05	2.74E-04	1.89E+00	7.67E-04	5.29E+00
360.189	4249.503	3.58E-01	5.70E-05	2.74E-04	1.72E+00	7.67E-04	4.82E+00
360.186	4249.569	3.37E-01	5.70E-05	2.74E-04	1.62E+00	7.67E-04	4.53E+00
360.178	4249.644	3.30E-01	5.70E-05	2.74E-04	1.58E+00	7.67E-04	4.44E+00
360.178	4249.719	3.06E-01	5.70E-05	2.74E-04	1.47E+00	7.67E-04	4.12E+00
360.186	4249.823	2.66E-01	5.70E-05	2.74E-04	1.28E+00	7.67E-04	3.58E+00
360.188	4249.929	2.25E-01	5.70E-05	2.74E-04	1.08E+00	7.67E-04	3.02E+00
360.18	4250.032	2.12E-01	5.70E-05	2.74E-04	1.02E+00	7.67E-04	2.85E+00
360.091	4250.02	1.90E-01	5.70E-05	2.74E-04	9.13E-01	7.67E-04	2.56E+00
360.003	4250.007	1.74E-01	5.70E-05	2.74E-04	8.38E-01	7.67E-04	2.35E+00
359.914	4249.995	1.63E-01	5.70E-05	2.74E-04	7.81E-01	7.67E-04	2.19E+00
360.269	4249.127	7.95E-01	5.70E-05	2.74E-04	3.82E+00	7.67E-04	1.07E+01
360.334	4249.128	9.07E-01	5.70E-05	2.74E-04	4.36E+00	7.67E-04	1.22E+01
360.403	4249.137	9.54E-01	5.70E-05	2.74E-04	4.58E+00	7.67E-04	1.28E+01
360.498	4249.157	8.87E-01	5.70E-05	2.74E-04	4.26E+00	7.67E-04	1.19E+01
360.592	4249.185	6.97E-01	5.70E-05	2.74E-04	3.35E+00	7.67E-04	9.38E+00
360.678	4249.21	5.15E-01	5.70E-05	2.74E-04	2.47E+00	7.67E-04	6.93E+00
360.632	4249.294	4.79E-01	5.70E-05	2.74E-04	2.30E+00	7.67E-04	6.45E+00
360.585	4249.378	4.52E-01	5.70E-05	2.74E-04	2.17E+00	7.67E-04	6.08E+00
360.538	4249.462	4.20E-01	5.70E-05	2.74E-04	2.02E+00	7.67E-04	5.65E+00
360.491	4249.545	3.87E-01	5.70E-05	2.74E-04	1.86E+00	7.67E-04	5.20E+00
360.444	4249.629	3.44E-01	5.70E-05	2.74E-04	1.65E+00	7.67E-04	4.63E+00
360.397	4249.713	3.13E-01	5.70E-05	2.74E-04	1.51E+00	7.67E-04	4.21E+00
360.35	4249.797	2.77E-01	5.70E-05	2.74E-04	1.33E+00	7.67E-04	3.73E+00
360.277	4249.8	2.72E-01	5.70E-05	2.74E-04	1.31E+00	7.67E-04	3.67E+00
360.233	4249.168	6.85E-01	5.70E-05	2.74E-04	3.29E+00	7.67E-04	9.22E+00
360.049	4248.941	8.38E-01	5.70E-05	2.74E-04	4.03E+00	7.67E-04	1.13E+01
359.958	4248.92	5.44E-01	5.70E-05	2.74E-04	2.62E+00	7.67E-04	7.33E+00
359.868	4248.894	5.72E-01	5.70E-05	2.74E-04	2.75E+00	7.67E-04	7.70E+00
359.743	4248.646	5.66E-01	5.70E-05	2.74E-04	2.72E+00	7.67E-04	7.62E+00
359.749	4248.592	5.75E-01	5.70E-05	2.74E-04	2.76E+00	7.67E-04	7.73E+00
359.754	4248.513	5.74E-01	5.70E-05	2.74E-04	2.76E+00	7.67E-04	7.73E+00
359.751	4248.443	5.59E-01	5.70E-05	2.74E-04	2.69E+00	7.67E-04	7.52E+00
359.839	4248.354	7.96E-01	5.70E-05	2.74E-04	3.82E+00	7.67E-04	1.07E+01
359.934	4248.308	8.72E-01	5.70E-05	2.74E-04	4.19E+00	7.67E-04	1.17E+01
360.03	4248.262	1.27E+00	5.70E-05	2.74E-04	6.09E+00	7.67E-04	1.71E+01
360.23	4248.121	1.84E+00	5.70E-05	2.74E-04	8.82E+00	7.67E-04	2.47E+01
360.196	4248.694	2.04E+00	5.70E-05	2.74E-04	9.83E+00	7.67E-04	2.75E+01
360.188	4248.787	1.60E+00	5.70E-05	2.74E-04	7.68E+00	7.67E-04	2.15E+01
360.186	4248.85	1.36E+00	5.70E-05	2.74E-04	6.56E+00	7.67E-04	1.84E+01
360.187	4248.927	1.16E+00	5.70E-05	2.74E-04	5.57E+00	7.67E-04	1.56E+01
360.728	4248.992	7.24E-01	5.70E-05	2.74E-04	3.48E+00	7.67E-04	9.74E+00
360.4	4248.912	2.55E+00	5.70E-05	2.74E-04	1.23E+01	7.67E-04	3.44E+01
360.341	4248.904	2.45E+00	5.70E-05	2.74E-04	1.18E+01	7.67E-04	3.30E+01
360.253	4248.902	1.47E+00	5.70E-05	2.74E-04	7.08E+00	7.67E-04	1.98E+01
360.239	4248.398	4.12E+00	5.70E-05	2.74E-04	1.98E+01	7.67E-04	5.55E+01
360.289	4248.002	1.43E+00	5.70E-05	2.74E-04	6.86E+00	7.67E-04	1.92E+01
360.302	4247.704	7.92E-01	5.70E-05	2.74E-04	3.81E+00	7.67E-04	1.07E+01
360.305	4247.6	6.38E-01	5.70E-05	2.74E-04	3.07E+00	7.67E-04	8.58E+00
360.302	4247.5	6.47E-01	5.70E-05	2.74E-04	3.11E+00	7.67E-04	8.71E+00
360.301	4247.402	1.79E+00	5.70E-05	2.74E-04	8.60E+00	7.67E-04	2.41E+01
360.293	4247.104	2.13E-01	5.70E-05	2.74E-04	1.03E+00	7.67E-04	2.87E+00
360.296	4246.694	6.92E-02	5.70E-05	2.74E-04	3.33E-01	7.67E-04	9.32E-01
360.295	4246.592	6.05E-02	5.70E-05	2.74E-04	2.91E-01	7.67E-04	8.14E-01
360.298	4246.497	5.21E-02	5.70E-05	2.74E-04	2.51E-01	7.67E-04	7.01E-01
360.3	4246.446	4.94E-02	5.70E-05	2.74E-04	2.37E-01	7.67E-04	6.65E-01
360.299	4246.33	4.50E-02	5.70E-05	2.74E-04	2.16E-01	7.67E-04	6.05E-01
360.328	4246.639	6.13E-02	5.70E-05	2.74E-04	2.95E-01	7.67E-04	8.24E-01
360.337	4246.747	6.66E-02	5.70E-05	2.74E-04	3.20E-01	7.67E-04	8.96E-01
360.383	4246.773	6.86E-02	5.70E-05	2.74E-04	3.30E-01	7.67E-04	9.23E-01
360.404	4246.9	8.95E-02	5.70E-05	2.74E-04	4.30E-01	7.67E-04	1.20E+00
360.413	4246.998	1.19E-01	5.70E-05	2.74E-04	5.70E-01	7.67E-04	1.60E+00
360.428	4247.101	1.91E-01	5.70E-05	2.74E-04	9.20E-01	7.67E-04	2.58E+00
360.395	4247.146	2.50E-01	5.70E-05	2.74E-04	1.20E+00	7.67E-04	3.36E+00
360.41	4247.229	4.04E-01	5.70E-05	2.74E-04	1.94E+00	7.67E-04	5.44E+00
360.426	4247.312	5.96E-01	5.70E-05	2.74E-04	2.87E+00	7.67E-04	8.02E+00
360.481	4247.39	4.20E-01	5.70E-05	2.74E-04	2.02E+00	7.67E-04	5.66E+00

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
FURFURAL - TASK 1

RECEPTOR (x,y) km		CONCENTRATION (ug/m3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	6.15E-02	1.00E-02	2.74E-04	1.69E-03	7.67E-04	4.72E-03
359.84	4249.884	6.49E-02	1.00E-02	2.74E-04	1.78E-03	7.67E-04	4.98E-03
359.86	4249.794	7.15E-02	1.00E-02	2.74E-04	1.96E-03	7.67E-04	5.48E-03
359.875	4249.736	7.64E-02	1.00E-02	2.74E-04	2.09E-03	7.67E-04	5.86E-03
359.806	4249.729	7.32E-02	1.00E-02	2.74E-04	2.01E-03	7.67E-04	5.62E-03
359.818	4249.667	7.86E-02	1.00E-02	2.74E-04	2.15E-03	7.67E-04	6.03E-03
359.827	4249.617	8.33E-02	1.00E-02	2.74E-04	2.28E-03	7.67E-04	6.39E-03
359.836	4249.56	8.91E-02	1.00E-02	2.74E-04	2.44E-03	7.67E-04	6.84E-03
359.849	4249.506	9.55E-02	1.00E-02	2.74E-04	2.62E-03	7.67E-04	7.33E-03
359.888	4249.439	1.06E-01	1.00E-02	2.74E-04	2.90E-03	7.67E-04	8.12E-03
359.939	4249.397	1.16E-01	1.00E-02	2.74E-04	3.17E-03	7.67E-04	8.87E-03
359.984	4249.373	1.24E-01	1.00E-02	2.74E-04	3.39E-03	7.67E-04	9.49E-03
360.032	4249.325	1.38E-01	1.00E-02	2.74E-04	3.77E-03	7.67E-04	1.06E-02
360.068	4249.275	1.53E-01	1.00E-02	2.74E-04	4.19E-03	7.67E-04	1.17E-02
360.088	4249.225	1.67E-01	1.00E-02	2.74E-04	4.58E-03	7.67E-04	1.28E-02
360.06	4249.18	1.71E-01	1.00E-02	2.74E-04	4.69E-03	7.67E-04	1.31E-02
360.115	4249.143	1.90E-01	1.00E-02	2.74E-04	5.21E-03	7.67E-04	1.46E-02
360.171	4249.034	2.36E-01	1.00E-02	2.74E-04	6.47E-03	7.67E-04	1.81E-02
360.171	4249.149	2.05E-01	1.00E-02	2.74E-04	5.61E-03	7.67E-04	1.57E-02
360.198	4249.204	1.98E-01	1.00E-02	2.74E-04	5.42E-03	7.67E-04	1.52E-02
360.2	4249.26	1.84E-01	1.00E-02	2.74E-04	5.05E-03	7.67E-04	1.41E-02
360.199	4249.312	1.71E-01	1.00E-02	2.74E-04	4.70E-03	7.67E-04	1.32E-02
360.195	4249.375	1.57E-01	1.00E-02	2.74E-04	4.30E-03	7.67E-04	1.20E-02
360.191	4249.427	1.47E-01	1.00E-02	2.74E-04	4.02E-03	7.67E-04	1.12E-02
360.189	4249.503	1.34E-01	1.00E-02	2.74E-04	3.67E-03	7.67E-04	1.03E-02
360.186	4249.569	1.25E-01	1.00E-02	2.74E-04	3.42E-03	7.67E-04	9.57E-03
360.178	4249.644	1.15E-01	1.00E-02	2.74E-04	3.15E-03	7.67E-04	8.82E-03
360.178	4249.719	1.07E-01	1.00E-02	2.74E-04	2.93E-03	7.67E-04	8.20E-03
360.186	4249.823	9.75E-02	1.00E-02	2.74E-04	2.67E-03	7.67E-04	7.48E-03
360.188	4249.929	8.88E-02	1.00E-02	2.74E-04	2.43E-03	7.67E-04	6.81E-03
360.18	4250.032	8.08E-02	1.00E-02	2.74E-04	2.21E-03	7.67E-04	6.20E-03
360.091	4250.02	7.34E-02	1.00E-02	2.74E-04	2.01E-03	7.67E-04	5.63E-03
360.003	4250.007	6.74E-02	1.00E-02	2.74E-04	1.85E-03	7.67E-04	5.17E-03
359.914	4249.995	6.28E-02	1.00E-02	2.74E-04	1.72E-03	7.67E-04	4.82E-03
360.269	4249.127	2.41E-01	1.00E-02	2.74E-04	6.61E-03	7.67E-04	1.85E-02
360.334	4249.128	2.61E-01	1.00E-02	2.74E-04	7.16E-03	7.67E-04	2.00E-02
360.403	4249.137	2.77E-01	1.00E-02	2.74E-04	7.59E-03	7.67E-04	2.12E-02
360.498	4249.157	2.86E-01	1.00E-02	2.74E-04	7.84E-03	7.67E-04	2.20E-02
360.592	4249.185	2.72E-01	1.00E-02	2.74E-04	7.46E-03	7.67E-04	2.09E-02
360.678	4249.21	2.52E-01	1.00E-02	2.74E-04	6.91E-03	7.67E-04	1.93E-02
360.632	4249.294	2.22E-01	1.00E-02	2.74E-04	6.09E-03	7.67E-04	1.70E-02
360.585	4249.378	1.98E-01	1.00E-02	2.74E-04	5.42E-03	7.67E-04	1.52E-02
360.538	4249.462	1.75E-01	1.00E-02	2.74E-04	4.80E-03	7.67E-04	1.34E-02
360.491	4249.545	1.57E-01	1.00E-02	2.74E-04	4.31E-03	7.67E-04	1.21E-02
360.444	4249.629	1.39E-01	1.00E-02	2.74E-04	3.81E-03	7.67E-04	1.07E-02
360.397	4249.713	1.27E-01	1.00E-02	2.74E-04	3.47E-03	7.67E-04	9.72E-03
360.35	4249.797	1.14E-01	1.00E-02	2.74E-04	3.11E-03	7.67E-04	8.71E-03
360.277	4249.8	1.10E-01	1.00E-02	2.74E-04	3.02E-03	7.67E-04	8.47E-03
360.233	4249.168	2.18E-01	1.00E-02	2.74E-04	5.97E-03	7.67E-04	1.67E-02
360.049	4248.941	2.21E-01	1.00E-02	2.74E-04	6.06E-03	7.67E-04	1.70E-02
359.958	4248.92	2.04E-01	1.00E-02	2.74E-04	5.59E-03	7.67E-04	1.57E-02
359.868	4248.894	1.89E-01	1.00E-02	2.74E-04	5.17E-03	7.67E-04	1.45E-02
359.743	4248.646	1.67E-01	1.00E-02	2.74E-04	4.58E-03	7.67E-04	1.28E-02
359.749	4248.592	1.68E-01	1.00E-02	2.74E-04	4.61E-03	7.67E-04	1.29E-02
359.754	4248.513	1.68E-01	1.00E-02	2.74E-04	4.59E-03	7.67E-04	1.29E-02
359.751	4248.443	1.66E-01	1.00E-02	2.74E-04	4.55E-03	7.67E-04	1.27E-02
359.839	4248.354	2.11E-01	1.00E-02	2.74E-04	5.79E-03	7.67E-04	1.62E-02
359.934	4248.308	2.75E-01	1.00E-02	2.74E-04	7.53E-03	7.67E-04	2.11E-02
360.03	4248.262	3.65E-01	1.00E-02	2.74E-04	1.00E-02	7.67E-04	2.80E-02
360.23	4248.121	9.34E-01	1.00E-02	2.74E-04	2.56E-02	7.67E-04	7.17E-02
360.196	4248.694	3.77E-01	1.00E-02	2.74E-04	1.03E-02	7.67E-04	2.89E-02
360.188	4248.787	3.24E-01	1.00E-02	2.74E-04	8.88E-03	7.67E-04	2.49E-02
360.186	4248.85	2.99E-01	1.00E-02	2.74E-04	8.20E-03	7.67E-04	2.30E-02
360.187	4248.927	2.74E-01	1.00E-02	2.74E-04	7.51E-03	7.67E-04	2.10E-02
360.728	4248.992	3.57E-01	1.00E-02	2.74E-04	9.79E-03	7.67E-04	2.74E-02
360.4	4248.912	4.07E-01	1.00E-02	2.74E-04	1.11E-02	7.67E-04	3.12E-02
360.341	4248.904	3.74E-01	1.00E-02	2.74E-04	1.03E-02	7.67E-04	2.87E-02
360.253	4248.902	3.17E-01	1.00E-02	2.74E-04	8.70E-03	7.67E-04	2.43E-02
360.239	4248.398	7.19E-01	1.00E-02	2.74E-04	1.97E-02	7.67E-04	5.51E-02
360.289	4248.002	1.52E+00	1.00E-02	2.74E-04	4.18E-02	7.67E-04	1.17E-01
360.302	4247.704	9.42E-01	1.00E-02	2.74E-04	2.58E-02	7.67E-04	7.22E-02
360.305	4247.6	4.86E-01	1.00E-02	2.74E-04	1.33E-02	7.67E-04	3.72E-02
360.302	4247.5	2.86E-01	1.00E-02	2.74E-04	7.84E-03	7.67E-04	2.20E-02
360.301	4247.402	1.92E-01	1.00E-02	2.74E-04	5.27E-03	7.67E-04	1.48E-02
360.293	4247.104	9.51E-02	1.00E-02	2.74E-04	2.61E-03	7.67E-04	7.30E-03
360.296	4246.694	5.48E-02	1.00E-02	2.74E-04	1.50E-03	7.67E-04	4.20E-03
360.295	4246.592	4.91E-02	1.00E-02	2.74E-04	1.34E-03	7.67E-04	3.76E-03
360.298	4246.497	4.18E-02	1.00E-02	2.74E-04	1.15E-03	7.67E-04	3.21E-03
360.3	4246.446	3.89E-02	1.00E-02	2.74E-04	1.07E-03	7.67E-04	2.99E-03
360.299	4246.33	3.45E-02	1.00E-02	2.74E-04	9.47E-04	7.67E-04	2.65E-03
360.328	4246.639	5.17E-02	1.00E-02	2.74E-04	1.42E-03	7.67E-04	3.97E-03
360.337	4246.747	5.27E-02	1.00E-02	2.74E-04	1.44E-03	7.67E-04	4.04E-03
360.383	4246.773	5.23E-02	1.00E-02	2.74E-04	1.43E-03	7.67E-04	4.01E-03
360.404	4246.9	6.38E-02	1.00E-02	2.74E-04	1.75E-03	7.67E-04	4.89E-03
360.413	4246.998	7.44E-02	1.00E-02	2.74E-04	2.04E-03	7.67E-04	5.71E-03
360.428	4247.101	9.15E-02	1.00E-02	2.74E-04	2.51E-03	7.67E-04	7.02E-03
360.395	4247.146	9.57E-02	1.00E-02	2.74E-04	2.62E-03	7.67E-04	7.34E-03
360.41	4247.229	1.18E-01	1.00E-02	2.74E-04	3.24E-03	7.67E-04	9.07E-03
360.426	4247.312	1.44E-01	1.00E-02	2.74E-04	3.94E-03	7.67E-04	1.10E-02
360.481	4247.39	2.17E-01	1.00E-02	2.74E-04	5.96E-03	7.67E-04	1.67E-02

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
HYDROGEN CHLORIDE - TASK 1

RECEPTOR (x,y) km		CONCENTRATION (ug/m3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	9.32E-02	5.70E-03	4.74E-04	7.75E-03	7.67E-04	1.25E-02
359.84	4249.884	9.51E-02	5.70E-03	4.74E-04	7.91E-03	7.67E-04	1.28E-02
359.86	4249.794	9.89E-02	5.70E-03	4.74E-04	8.22E-03	7.67E-04	1.33E-02
359.875	4249.736	1.01E-01	5.70E-03	4.74E-04	8.43E-03	7.67E-04	1.36E-02
359.806	4249.729	9.96E-02	5.70E-03	4.74E-04	8.28E-03	7.67E-04	1.34E-02
359.818	4249.667	1.02E-01	5.70E-03	4.74E-04	8.49E-03	7.67E-04	1.37E-02
359.827	4249.617	1.04E-01	5.70E-03	4.74E-04	8.65E-03	7.67E-04	1.40E-02
359.836	4249.56	1.06E-01	5.70E-03	4.74E-04	8.80E-03	7.67E-04	1.42E-02
359.849	4249.506	1.08E-01	5.70E-03	4.74E-04	8.94E-03	7.67E-04	1.45E-02
359.888	4249.439	1.10E-01	5.70E-03	4.74E-04	9.16E-03	7.67E-04	1.48E-02
359.939	4249.397	1.13E-01	5.70E-03	4.74E-04	9.39E-03	7.67E-04	1.52E-02
359.984	4249.373	1.15E-01	5.70E-03	4.74E-04	9.59E-03	7.67E-04	1.55E-02
360.032	4249.325	1.19E-01	5.70E-03	4.74E-04	9.88E-03	7.67E-04	1.60E-02
360.068	4249.275	1.22E-01	5.70E-03	4.74E-04	1.01E-02	7.67E-04	1.64E-02
360.088	4249.225	1.24E-01	5.70E-03	4.74E-04	1.03E-02	7.67E-04	1.67E-02
360.06	4249.18	1.23E-01	5.70E-03	4.74E-04	1.02E-02	7.67E-04	1.66E-02
360.115	4249.143	1.27E-01	5.70E-03	4.74E-04	1.06E-02	7.67E-04	1.71E-02
360.171	4249.034	1.34E-01	5.70E-03	4.74E-04	1.11E-02	7.67E-04	1.80E-02
360.171	4249.149	1.31E-01	5.70E-03	4.74E-04	1.09E-02	7.67E-04	1.76E-02
360.198	4249.204	1.32E-01	5.70E-03	4.74E-04	1.10E-02	7.67E-04	1.77E-02
360.2	4249.26	1.30E-01	5.70E-03	4.74E-04	1.08E-02	7.67E-04	1.76E-02
360.199	4249.312	1.29E-01	5.70E-03	4.74E-04	1.07E-02	7.67E-04	1.73E-02
360.195	4249.375	1.26E-01	5.70E-03	4.74E-04	1.05E-02	7.67E-04	1.70E-02
360.191	4249.427	1.24E-01	5.70E-03	4.74E-04	1.03E-02	7.67E-04	1.67E-02
360.189	4249.503	1.21E-01	5.70E-03	4.74E-04	1.01E-02	7.67E-04	1.63E-02
360.186	4249.569	1.19E-01	5.70E-03	4.74E-04	9.86E-03	7.67E-04	1.60E-02
360.178	4249.644	1.15E-01	5.70E-03	4.74E-04	9.59E-03	7.67E-04	1.55E-02
360.178	4249.719	1.12E-01	5.70E-03	4.74E-04	9.32E-03	7.67E-04	1.51E-02
360.186	4249.823	1.08E-01	5.70E-03	4.74E-04	8.96E-03	7.67E-04	1.45E-02
360.188	4249.929	1.03E-01	5.70E-03	4.74E-04	8.58E-03	7.67E-04	1.39E-02
360.18	4250.032	9.93E-02	5.70E-03	4.74E-04	8.25E-03	7.67E-04	1.34E-02
360.091	4250.02	9.79E-02	5.70E-03	4.74E-04	8.14E-03	7.67E-04	1.32E-02
360.003	4250.007	9.60E-02	5.70E-03	4.74E-04	7.98E-03	7.67E-04	1.29E-02
359.914	4249.995	9.39E-02	5.70E-03	4.74E-04	7.81E-03	7.67E-04	1.26E-02
360.269	4249.127	1.39E-01	5.70E-03	4.74E-04	1.16E-02	7.67E-04	1.87E-02
360.334	4249.128	1.44E-01	5.70E-03	4.74E-04	1.20E-02	7.67E-04	1.94E-02
360.403	4249.137	1.49E-01	5.70E-03	4.74E-04	1.24E-02	7.67E-04	2.01E-02
360.498	4249.157	1.56E-01	5.70E-03	4.74E-04	1.30E-02	7.67E-04	2.10E-02
360.592	4249.185	1.62E-01	5.70E-03	4.74E-04	1.35E-02	7.67E-04	2.18E-02
360.678	4249.21	1.69E-01	5.70E-03	4.74E-04	1.41E-02	7.67E-04	2.28E-02
360.632	4249.294	1.60E-01	5.70E-03	4.74E-04	1.33E-02	7.67E-04	2.15E-02
360.585	4249.378	1.51E-01	5.70E-03	4.74E-04	1.26E-02	7.67E-04	2.04E-02
360.538	4249.462	1.43E-01	5.70E-03	4.74E-04	1.19E-02	7.67E-04	1.92E-02
360.491	4249.545	1.35E-01	5.70E-03	4.74E-04	1.12E-02	7.67E-04	1.82E-02
360.444	4249.629	1.28E-01	5.70E-03	4.74E-04	1.06E-02	7.67E-04	1.72E-02
360.397	4249.713	1.21E-01	5.70E-03	4.74E-04	1.00E-02	7.67E-04	1.63E-02
360.35	4249.797	1.14E-01	5.70E-03	4.74E-04	9.51E-03	7.67E-04	1.54E-02
360.277	4249.8	1.12E-01	5.70E-03	4.74E-04	9.27E-03	7.67E-04	1.50E-02
360.233	4249.168	1.35E-01	5.70E-03	4.74E-04	1.13E-02	7.67E-04	1.82E-02
360.049	4248.941	1.27E-01	5.70E-03	4.74E-04	1.06E-02	7.67E-04	1.71E-02
359.958	4248.92	1.23E-01	5.70E-03	4.74E-04	1.02E-02	7.67E-04	1.65E-02
359.868	4248.894	1.23E-01	5.70E-03	4.74E-04	1.02E-02	7.67E-04	1.65E-02
359.743	4248.646	1.35E-01	5.70E-03	4.74E-04	1.12E-02	7.67E-04	1.81E-02
359.749	4248.592	1.36E-01	5.70E-03	4.74E-04	1.13E-02	7.67E-04	1.83E-02
359.754	4248.513	1.38E-01	5.70E-03	4.74E-04	1.15E-02	7.67E-04	1.86E-02
359.751	4248.443	1.41E-01	5.70E-03	4.74E-04	1.17E-02	7.67E-04	1.89E-02
359.839	4248.354	1.40E-01	5.70E-03	4.74E-04	1.17E-02	7.67E-04	1.89E-02
359.934	4248.308	1.40E-01	5.70E-03	4.74E-04	1.16E-02	7.67E-04	1.88E-02
360.03	4248.262	1.40E-01	5.70E-03	4.74E-04	1.17E-02	7.67E-04	1.89E-02
360.23	4248.121	1.52E-01	5.70E-03	4.74E-04	1.26E-02	7.67E-04	2.04E-02
360.196	4248.694	1.38E-01	5.70E-03	4.74E-04	1.15E-02	7.67E-04	1.86E-02
360.188	4248.787	1.37E-01	5.70E-03	4.74E-04	1.14E-02	7.67E-04	1.84E-02
360.186	4248.85	1.36E-01	5.70E-03	4.74E-04	1.13E-02	7.67E-04	1.83E-02
360.187	4248.927	1.36E-01	5.70E-03	4.74E-04	1.13E-02	7.67E-04	1.83E-02
360.728	4248.992	1.85E-01	5.70E-03	4.74E-04	1.54E-02	7.67E-04	2.49E-02
360.4	4248.912	1.55E-01	5.70E-03	4.74E-04	1.29E-02	7.67E-04	2.09E-02
360.341	4248.904	1.50E-01	5.70E-03	4.74E-04	1.25E-02	7.67E-04	2.01E-02
360.253	4248.902	1.41E-01	5.70E-03	4.74E-04	1.18E-02	7.67E-04	1.90E-02
360.239	4248.398	1.45E-01	5.70E-03	4.74E-04	1.21E-02	7.67E-04	1.96E-02
360.289	4248.002	1.61E-01	5.70E-03	4.74E-04	1.34E-02	7.67E-04	2.17E-02
360.302	4247.704	1.73E-01	5.70E-03	4.74E-04	1.44E-02	7.67E-04	2.32E-02
360.305	4247.6	1.80E-01	5.70E-03	4.74E-04	1.50E-02	7.67E-04	2.42E-02
360.302	4247.5	1.85E-01	5.70E-03	4.74E-04	1.54E-02	7.67E-04	2.49E-02
360.301	4247.402	1.91E-01	5.70E-03	4.74E-04	1.59E-02	7.67E-04	2.58E-02
360.293	4247.104	2.16E-01	5.70E-03	4.74E-04	1.80E-02	7.67E-04	2.91E-02
360.296	4246.694	2.62E-01	5.70E-03	4.74E-04	2.18E-02	7.67E-04	3.52E-02
360.295	4246.592	2.72E-01	5.70E-03	4.74E-04	2.26E-02	7.67E-04	3.66E-02
360.298	4246.497	2.76E-01	5.70E-03	4.74E-04	2.29E-02	7.67E-04	3.71E-02
360.3	4246.446	2.80E-01	5.70E-03	4.74E-04	2.33E-02	7.67E-04	3.76E-02
360.299	4246.33	2.86E-01	5.70E-03	4.74E-04	2.38E-02	7.67E-04	3.85E-02
360.328	4246.639	2.72E-01	5.70E-03	4.74E-04	2.26E-02	7.67E-04	3.66E-02
360.337	4246.747	2.53E-01	5.70E-03	4.74E-04	2.11E-02	7.67E-04	3.41E-02
360.383	4246.773	2.51E-01	5.70E-03	4.74E-04	2.09E-02	7.67E-04	3.38E-02
360.404	4246.9	2.38E-01	5.70E-03	4.74E-04	1.98E-02	7.67E-04	3.20E-02
360.413	4246.998	2.28E-01	5.70E-03	4.74E-04	1.90E-02	7.67E-04	3.07E-02
360.428	4247.101	2.22E-01	5.70E-03	4.74E-04	1.84E-02	7.67E-04	2.98E-02
360.395	4247.146	2.14E-01	5.70E-03	4.74E-04	1.78E-02	7.67E-04	2.88E-02
360.41	4247.229	2.10E-01	5.70E-03	4.74E-04	1.75E-02	7.67E-04	2.83E-02
360.426	4247.312	2.05E-01	5.70E-03	4.74E-04	1.71E-02	7.67E-04	2.76E-02
360.481	4247.39	2.11E-01	5.70E-03	4.74E-04	1.76E-02	7.67E-04	2.84E-02

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
NAPHTHALENE - TASK 1

RECEPTOR (x,y) km		CONCENTRATION (ug/m3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	5.51E-02	9.00E-04	2.74E-04	1.68E-02	7.67E-04	4.69E-02
359.84	4249.884	5.84E-02	9.00E-04	2.74E-04	1.78E-02	7.67E-04	4.98E-02
359.86	4249.794	6.50E-02	9.00E-04	2.74E-04	1.98E-02	7.67E-04	5.54E-02
359.875	4249.736	6.99E-02	9.00E-04	2.74E-04	2.13E-02	7.67E-04	5.96E-02
359.806	4249.729	6.64E-02	9.00E-04	2.74E-04	2.02E-02	7.67E-04	5.66E-02
359.818	4249.667	7.16E-02	9.00E-04	2.74E-04	2.18E-02	7.67E-04	6.10E-02
359.827	4249.617	7.61E-02	9.00E-04	2.74E-04	2.32E-02	7.67E-04	6.49E-02
359.836	4249.56	8.16E-02	9.00E-04	2.74E-04	2.48E-02	7.67E-04	6.95E-02
359.849	4249.506	8.73E-02	9.00E-04	2.74E-04	2.66E-02	7.67E-04	7.44E-02
359.888	4249.439	9.75E-02	9.00E-04	2.74E-04	2.97E-02	7.67E-04	8.31E-02
359.939	4249.397	1.08E-01	9.00E-04	2.74E-04	3.29E-02	7.67E-04	9.21E-02
359.984	4249.373	1.17E-01	9.00E-04	2.74E-04	3.55E-02	7.67E-04	9.95E-02
360.032	4249.325	1.31E-01	9.00E-04	2.74E-04	3.98E-02	7.67E-04	1.12E-01
360.068	4249.275	1.45E-01	9.00E-04	2.74E-04	4.42E-02	7.67E-04	1.24E-01
360.088	4249.225	1.60E-01	9.00E-04	2.74E-04	4.86E-02	7.67E-04	1.36E-01
360.06	4249.18	1.62E-01	9.00E-04	2.74E-04	4.94E-02	7.67E-04	1.38E-01
360.115	4249.143	1.84E-01	9.00E-04	2.74E-04	5.60E-02	7.67E-04	1.57E-01
360.171	4249.034	2.53E-01	9.00E-04	2.74E-04	7.70E-02	7.67E-04	2.15E-01
360.171	4249.149	2.05E-01	9.00E-04	2.74E-04	6.26E-02	7.67E-04	1.75E-01
360.198	4249.204	1.95E-01	9.00E-04	2.74E-04	5.95E-02	7.67E-04	1.66E-01
360.2	4249.26	1.77E-01	9.00E-04	2.74E-04	5.40E-02	7.67E-04	1.51E-01
360.199	4249.312	1.62E-01	9.00E-04	2.74E-04	4.94E-02	7.67E-04	1.38E-01
360.195	4249.375	1.46E-01	9.00E-04	2.74E-04	4.44E-02	7.67E-04	1.24E-01
360.191	4249.427	1.34E-01	9.00E-04	2.74E-04	4.09E-02	7.67E-04	1.15E-01
360.189	4249.503	1.21E-01	9.00E-04	2.74E-04	3.68E-02	7.67E-04	1.03E-01
360.186	4249.569	1.11E-01	9.00E-04	2.74E-04	3.36E-02	7.67E-04	9.42E-02
360.178	4249.644	1.00E-01	9.00E-04	2.74E-04	3.05E-02	7.67E-04	8.53E-02
360.178	4249.719	9.14E-02	9.00E-04	2.74E-04	2.78E-02	7.67E-04	7.79E-02
360.186	4249.823	8.12E-02	9.00E-04	2.74E-04	2.47E-02	7.67E-04	6.92E-02
360.188	4249.929	7.18E-02	9.00E-04	2.74E-04	2.19E-02	7.67E-04	6.12E-02
360.18	4250.032	6.39E-02	9.00E-04	2.74E-04	1.95E-02	7.67E-04	5.45E-02
360.091	4250.02	6.07E-02	9.00E-04	2.74E-04	1.85E-02	7.67E-04	5.17E-02
360.003	4250.007	5.78E-02	9.00E-04	2.74E-04	1.76E-02	7.67E-04	4.93E-02
359.914	4249.995	5.52E-02	9.00E-04	2.74E-04	1.68E-02	7.67E-04	4.71E-02
360.269	4249.127	2.66E-01	9.00E-04	2.74E-04	8.11E-02	7.67E-04	2.27E-01
360.334	4249.128	3.12E-01	9.00E-04	2.74E-04	9.49E-02	7.67E-04	2.66E-01
360.403	4249.137	3.56E-01	9.00E-04	2.74E-04	1.08E-01	7.67E-04	3.03E-01
360.498	4249.157	3.65E-01	9.00E-04	2.74E-04	1.11E-01	7.67E-04	3.11E-01
360.592	4249.185	3.25E-01	9.00E-04	2.74E-04	9.90E-02	7.67E-04	2.77E-01
360.678	4249.21	2.69E-01	9.00E-04	2.74E-04	8.19E-02	7.67E-04	2.29E-01
360.632	4249.294	2.13E-01	9.00E-04	2.74E-04	6.48E-02	7.67E-04	1.81E-01
360.585	4249.378	1.72E-01	9.00E-04	2.74E-04	5.24E-02	7.67E-04	1.47E-01
360.538	4249.462	1.42E-01	9.00E-04	2.74E-04	4.32E-02	7.67E-04	1.21E-01
360.491	4249.545	1.27E-01	9.00E-04	2.74E-04	3.86E-02	7.67E-04	1.08E-01
360.444	4249.629	1.07E-01	9.00E-04	2.74E-04	3.26E-02	7.67E-04	9.13E-02
360.397	4249.713	9.80E-02	9.00E-04	2.74E-04	2.98E-02	7.67E-04	8.36E-02
360.35	4249.797	8.71E-02	9.00E-04	2.74E-04	2.65E-02	7.67E-04	7.42E-02
360.277	4249.8	8.81E-02	9.00E-04	2.74E-04	2.68E-02	7.67E-04	7.51E-02
360.233	4249.168	2.25E-01	9.00E-04	2.74E-04	6.84E-02	7.67E-04	1.91E-01
360.049	4248.941	2.01E-01	9.00E-04	2.74E-04	6.12E-02	7.67E-04	1.71E-01
359.958	4248.92	1.67E-01	9.00E-04	2.74E-04	5.10E-02	7.67E-04	1.43E-01
359.868	4248.894	1.48E-01	9.00E-04	2.74E-04	4.50E-02	7.67E-04	1.26E-01
359.743	4248.646	1.45E-01	9.00E-04	2.74E-04	4.41E-02	7.67E-04	1.24E-01
359.749	4248.592	1.52E-01	9.00E-04	2.74E-04	4.62E-02	7.67E-04	1.29E-01
359.754	4248.513	1.66E-01	9.00E-04	2.74E-04	5.05E-02	7.67E-04	1.41E-01
359.751	4248.443	1.85E-01	9.00E-04	2.74E-04	5.64E-02	7.67E-04	1.58E-01
359.839	4248.354	2.17E-01	9.00E-04	2.74E-04	6.61E-02	7.67E-04	1.85E-01
359.934	4248.308	2.34E-01	9.00E-04	2.74E-04	7.14E-02	7.67E-04	2.00E-01
360.03	4248.262	2.62E-01	9.00E-04	2.74E-04	7.97E-02	7.67E-04	2.23E-01
360.23	4248.121	4.31E-01	9.00E-04	2.74E-04	1.31E-01	7.67E-04	3.68E-01
360.196	4248.694	3.10E-01	9.00E-04	2.74E-04	9.45E-02	7.67E-04	2.65E-01
360.188	4248.787	3.12E-01	9.00E-04	2.74E-04	9.49E-02	7.67E-04	2.66E-01
360.186	4248.85	3.08E-01	9.00E-04	2.74E-04	9.38E-02	7.67E-04	2.63E-01
360.187	4248.927	2.98E-01	9.00E-04	2.74E-04	9.07E-02	7.67E-04	2.54E-01
360.728	4248.992	5.27E-01	9.00E-04	2.74E-04	1.60E-01	7.67E-04	4.49E-01
360.4	4248.912	8.78E-01	9.00E-04	2.74E-04	2.67E-01	7.67E-04	7.48E-01
360.341	4248.904	6.08E-01	9.00E-04	2.74E-04	1.85E-01	7.67E-04	5.18E-01
360.253	4248.902	3.87E-01	9.00E-04	2.74E-04	1.18E-01	7.67E-04	3.30E-01
360.239	4248.398	3.23E-01	9.00E-04	2.74E-04	9.84E-02	7.67E-04	2.75E-01
360.289	4248.002	6.32E-01	9.00E-04	2.74E-04	1.92E-01	7.67E-04	5.38E-01
360.302	4247.704	2.50E+00	9.00E-04	2.74E-04	7.62E-01	7.67E-04	2.13E+00
360.305	4247.6	3.19E+00	9.00E-04	2.74E-04	9.70E-01	7.67E-04	2.72E+00
360.302	4247.5	1.66E+01	9.00E-04	2.74E-04	5.05E+00	7.67E-04	1.41E+01
360.301	4247.402	1.35E+01	9.00E-04	2.74E-04	4.10E+00	7.67E-04	1.15E+01
360.293	4247.104	1.81E+00	9.00E-04	2.74E-04	5.51E-01	7.67E-04	1.54E+00
360.296	4246.694	8.53E-01	9.00E-04	2.74E-04	2.60E-01	7.67E-04	7.27E-01
360.295	4246.592	3.64E-01	9.00E-04	2.74E-04	1.11E-01	7.67E-04	3.10E-01
360.298	4246.497	2.09E-01	9.00E-04	2.74E-04	6.35E-02	7.67E-04	1.78E-01
360.3	4246.446	1.74E-01	9.00E-04	2.74E-04	5.29E-02	7.67E-04	1.48E-01
360.299	4246.33	1.22E-01	9.00E-04	2.74E-04	3.70E-02	7.67E-04	1.04E-01
360.328	4246.639	6.04E-01	9.00E-04	2.74E-04	1.84E-01	7.67E-04	5.14E-01
360.337	4246.747	1.39E+00	9.00E-04	2.74E-04	4.23E-01	7.67E-04	1.18E+00
360.383	4246.773	1.66E+00	9.00E-04	2.74E-04	5.04E-01	7.67E-04	1.41E+00
360.404	4246.9	1.88E+00	9.00E-04	2.74E-04	5.73E-01	7.67E-04	1.60E+00
360.413	4246.998	2.01E+00	9.00E-04	2.74E-04	6.13E-01	7.67E-04	1.71E+00
360.428	4247.101	1.48E+00	9.00E-04	2.74E-04	4.50E-01	7.67E-04	1.26E+00
360.395	4247.146	1.55E+00	9.00E-04	2.74E-04	4.73E-01	7.67E-04	1.32E+00
360.41	4247.229	1.60E+00	9.00E-04	2.74E-04	4.87E-01	7.67E-04	1.36E+00
360.426	4247.312	2.34E+00	9.00E-04	2.74E-04	7.12E-01	7.67E-04	1.99E+00
360.481	4247.39	2.47E+00	9.00E-04	2.74E-04	7.53E-01	7.67E-04	2.11E+00

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
NICKEL - TASK 1

RECEPTOR (x,y) km		CONCENTRATION (ug/m3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	2.78E-02	2.00E-02	2.74E-04	3.81E-04	7.67E-04	1.07E-03
359.84	4249.884	2.92E-02	2.00E-02	2.74E-04	4.00E-04	7.67E-04	1.12E-03
359.86	4249.794	3.23E-02	2.00E-02	2.74E-04	4.43E-04	7.67E-04	1.24E-03
359.875	4249.736	3.46E-02	2.00E-02	2.74E-04	4.74E-04	7.67E-04	1.33E-03
359.806	4249.729	3.24E-02	2.00E-02	2.74E-04	4.44E-04	7.67E-04	1.24E-03
359.818	4249.667	3.47E-02	2.00E-02	2.74E-04	4.76E-04	7.67E-04	1.33E-03
359.827	4249.617	3.63E-02	2.00E-02	2.74E-04	4.98E-04	7.67E-04	1.39E-03
359.836	4249.56	3.81E-02	2.00E-02	2.74E-04	5.22E-04	7.67E-04	1.46E-03
359.849	4249.506	4.00E-02	2.00E-02	2.74E-04	5.47E-04	7.67E-04	1.53E-03
359.888	4249.439	4.46E-02	2.00E-02	2.74E-04	6.11E-04	7.67E-04	1.71E-03
359.939	4249.397	5.04E-02	2.00E-02	2.74E-04	6.91E-04	7.67E-04	1.93E-03
359.984	4249.373	5.49E-02	2.00E-02	2.74E-04	7.52E-04	7.67E-04	2.11E-03
360.032	4249.325	6.24E-02	2.00E-02	2.74E-04	8.55E-04	7.67E-04	2.39E-03
360.068	4249.275	6.78E-02	2.00E-02	2.74E-04	9.28E-04	7.67E-04	2.60E-03
360.088	4249.225	7.33E-02	2.00E-02	2.74E-04	1.00E-03	7.67E-04	2.81E-03
360.06	4249.18	7.46E-02	2.00E-02	2.74E-04	1.02E-03	7.67E-04	2.86E-03
360.115	4249.143	8.30E-02	2.00E-02	2.74E-04	1.14E-03	7.67E-04	3.18E-03
360.171	4249.034	1.09E-01	2.00E-02	2.74E-04	1.49E-03	7.67E-04	4.16E-03
360.171	4249.149	8.62E-02	2.00E-02	2.74E-04	1.18E-03	7.67E-04	3.31E-03
360.198	4249.204	8.06E-02	2.00E-02	2.74E-04	1.10E-03	7.67E-04	3.09E-03
360.2	4249.26	7.50E-02	2.00E-02	2.74E-04	1.03E-03	7.67E-04	2.88E-03
360.199	4249.312	7.02E-02	2.00E-02	2.74E-04	9.61E-04	7.67E-04	2.69E-03
360.195	4249.375	6.41E-02	2.00E-02	2.74E-04	8.78E-04	7.67E-04	2.46E-03
360.191	4249.427	5.92E-02	2.00E-02	2.74E-04	8.11E-04	7.67E-04	2.27E-03
360.189	4249.503	5.39E-02	2.00E-02	2.74E-04	7.39E-04	7.67E-04	2.07E-03
360.186	4249.569	5.04E-02	2.00E-02	2.74E-04	6.90E-04	7.67E-04	1.93E-03
360.178	4249.644	4.74E-02	2.00E-02	2.74E-04	6.49E-04	7.67E-04	1.82E-03
360.178	4249.719	4.41E-02	2.00E-02	2.74E-04	6.05E-04	7.67E-04	1.69E-03
360.186	4249.823	3.98E-02	2.00E-02	2.74E-04	5.45E-04	7.67E-04	1.53E-03
360.188	4249.929	3.54E-02	2.00E-02	2.74E-04	4.85E-04	7.67E-04	1.36E-03
360.18	4250.032	3.30E-02	2.00E-02	2.74E-04	4.53E-04	7.67E-04	1.27E-03
360.091	4250.02	3.18E-02	2.00E-02	2.74E-04	4.35E-04	7.67E-04	1.22E-03
360.003	4250.007	3.02E-02	2.00E-02	2.74E-04	4.14E-04	7.67E-04	1.16E-03
359.914	4249.995	2.87E-02	2.00E-02	2.74E-04	3.93E-04	7.67E-04	1.10E-03
360.269	4249.127	8.96E-02	2.00E-02	2.74E-04	1.23E-03	7.67E-04	3.44E-03
360.334	4249.128	8.83E-02	2.00E-02	2.74E-04	1.21E-03	7.67E-04	3.39E-03
360.403	4249.137	8.48E-02	2.00E-02	2.74E-04	1.16E-03	7.67E-04	3.25E-03
360.498	4249.157	7.85E-02	2.00E-02	2.74E-04	1.08E-03	7.67E-04	3.01E-03
360.592	4249.185	7.25E-02	2.00E-02	2.74E-04	9.93E-04	7.67E-04	2.78E-03
360.678	4249.21	6.41E-02	2.00E-02	2.74E-04	8.79E-04	7.67E-04	2.46E-03
360.632	4249.294	6.36E-02	2.00E-02	2.74E-04	8.71E-04	7.67E-04	2.44E-03
360.585	4249.378	6.19E-02	2.00E-02	2.74E-04	8.48E-04	7.67E-04	2.37E-03
360.538	4249.462	5.91E-02	2.00E-02	2.74E-04	8.09E-04	7.67E-04	2.27E-03
360.491	4249.545	5.62E-02	2.00E-02	2.74E-04	7.70E-04	7.67E-04	2.16E-03
360.444	4249.629	5.24E-02	2.00E-02	2.74E-04	7.18E-04	7.67E-04	2.01E-03
360.397	4249.713	4.86E-02	2.00E-02	2.74E-04	6.65E-04	7.67E-04	1.86E-03
360.35	4249.797	4.40E-02	2.00E-02	2.74E-04	6.03E-04	7.67E-04	1.69E-03
360.277	4249.8	4.21E-02	2.00E-02	2.74E-04	5.77E-04	7.67E-04	1.62E-03
360.233	4249.168	8.52E-02	2.00E-02	2.74E-04	1.17E-03	7.67E-04	3.27E-03
360.049	4248.941	1.12E-01	2.00E-02	2.74E-04	1.53E-03	7.67E-04	4.29E-03
359.958	4248.92	8.16E-02	2.00E-02	2.74E-04	1.12E-03	7.67E-04	3.13E-03
359.868	4248.894	7.34E-02	2.00E-02	2.74E-04	1.01E-03	7.67E-04	2.82E-03
359.743	4248.646	7.68E-02	2.00E-02	2.74E-04	1.05E-03	7.67E-04	2.95E-03
359.749	4248.592	7.55E-02	2.00E-02	2.74E-04	1.03E-03	7.67E-04	2.90E-03
359.754	4248.513	6.48E-02	2.00E-02	2.74E-04	8.88E-04	7.67E-04	2.48E-03
359.751	4248.443	6.26E-02	2.00E-02	2.74E-04	8.58E-04	7.67E-04	2.40E-03
359.839	4248.354	8.76E-02	2.00E-02	2.74E-04	1.20E-03	7.67E-04	3.36E-03
359.934	4248.308	1.49E-01	2.00E-02	2.74E-04	2.05E-03	7.67E-04	5.73E-03
360.03	4248.262	3.14E-01	2.00E-02	2.74E-04	4.30E-03	7.67E-04	1.20E-02
360.23	4248.121	9.72E-01	2.00E-02	2.74E-04	1.33E-02	7.67E-04	3.73E-02
360.196	4248.694	2.64E-01	2.00E-02	2.74E-04	3.61E-03	7.67E-04	1.01E-02
360.188	4248.787	1.88E-01	2.00E-02	2.74E-04	2.57E-03	7.67E-04	7.20E-03
360.186	4248.85	1.58E-01	2.00E-02	2.74E-04	2.16E-03	7.67E-04	6.05E-03
360.187	4248.927	1.35E-01	2.00E-02	2.74E-04	1.86E-03	7.67E-04	5.19E-03
360.728	4248.992	6.45E-02	2.00E-02	2.74E-04	8.84E-04	7.67E-04	2.47E-03
360.4	4248.912	1.15E-01	2.00E-02	2.74E-04	1.58E-03	7.67E-04	4.42E-03
360.341	4248.904	1.26E-01	2.00E-02	2.74E-04	1.72E-03	7.67E-04	4.82E-03
360.253	4248.902	1.36E-01	2.00E-02	2.74E-04	1.87E-03	7.67E-04	5.22E-03
360.239	4248.398	1.22E+00	2.00E-02	2.74E-04	1.67E-02	7.67E-04	4.68E-02
360.289	4248.002	3.02E-01	2.00E-02	2.74E-04	4.14E-03	7.67E-04	1.16E-02
360.302	4247.704	6.04E-02	2.00E-02	2.74E-04	8.28E-04	7.67E-04	2.32E-03
360.305	4247.6	4.75E-02	2.00E-02	2.74E-04	6.50E-04	7.67E-04	1.82E-03
360.302	4247.5	3.80E-02	2.00E-02	2.74E-04	5.20E-04	7.67E-04	1.46E-03
360.301	4247.402	3.07E-02	2.00E-02	2.74E-04	4.21E-04	7.67E-04	1.18E-03
360.293	4247.104	2.21E-02	2.00E-02	2.74E-04	3.03E-04	7.67E-04	8.49E-04
360.296	4246.694	1.44E-02	2.00E-02	2.74E-04	1.98E-04	7.67E-04	5.53E-04
360.295	4246.592	1.32E-02	2.00E-02	2.74E-04	1.80E-04	7.67E-04	5.05E-04
360.298	4246.497	1.19E-02	2.00E-02	2.74E-04	1.63E-04	7.67E-04	4.58E-04
360.3	4246.446	1.15E-02	2.00E-02	2.74E-04	1.57E-04	7.67E-04	4.40E-04
360.299	4246.33	1.07E-02	2.00E-02	2.74E-04	1.47E-04	7.67E-04	4.11E-04
360.328	4246.639	1.27E-02	2.00E-02	2.74E-04	1.74E-04	7.67E-04	4.87E-04
360.337	4246.747	1.34E-02	2.00E-02	2.74E-04	1.83E-04	7.67E-04	5.12E-04
360.383	4246.773	1.28E-02	2.00E-02	2.74E-04	1.75E-04	7.67E-04	4.91E-04
360.404	4246.9	1.44E-02	2.00E-02	2.74E-04	1.97E-04	7.67E-04	5.52E-04
360.413	4246.998	1.61E-02	2.00E-02	2.74E-04	2.20E-04	7.67E-04	6.16E-04
360.428	4247.101	1.82E-02	2.00E-02	2.74E-04	2.49E-04	7.67E-04	6.97E-04
360.395	4247.146	1.83E-02	2.00E-02	2.74E-04	2.51E-04	7.67E-04	7.04E-04
360.41	4247.229	1.98E-02	2.00E-02	2.74E-04	2.71E-04	7.67E-04	7.59E-04
360.426	4247.312	2.24E-02	2.00E-02	2.74E-04	3.07E-04	7.67E-04	8.59E-04
360.481	4247.39	2.91E-02	2.00E-02	2.74E-04	3.99E-04	7.67E-04	1.12E-03

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
TOLUENE - TASK 1

RECEPTOR (x,y) km		CONCENTRATION (ug/m3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	8.74E-01	1.14E-01	2.74E-04	2.10E-03	7.67E-04	5.88E-03
359.84	4249.884	9.39E-01	1.14E-01	2.74E-04	2.26E-03	7.67E-04	6.32E-03
359.86	4249.794	1.07E+00	1.14E-01	2.74E-04	2.58E-03	7.67E-04	7.21E-03
359.875	4249.736	1.17E+00	1.14E-01	2.74E-04	2.82E-03	7.67E-04	7.89E-03
359.806	4249.729	1.10E+00	1.14E-01	2.74E-04	2.64E-03	7.67E-04	7.39E-03
359.818	4249.667	1.21E+00	1.14E-01	2.74E-04	2.90E-03	7.67E-04	8.13E-03
359.827	4249.617	1.30E+00	1.14E-01	2.74E-04	3.13E-03	7.67E-04	8.75E-03
359.836	4249.56	1.42E+00	1.14E-01	2.74E-04	3.40E-03	7.67E-04	9.53E-03
359.849	4249.506	1.55E+00	1.14E-01	2.74E-04	3.72E-03	7.67E-04	1.04E-02
359.888	4249.439	1.79E+00	1.14E-01	2.74E-04	4.31E-03	7.67E-04	1.21E-02
359.939	4249.397	2.06E+00	1.14E-01	2.74E-04	4.94E-03	7.67E-04	1.38E-02
359.984	4249.373	2.28E+00	1.14E-01	2.74E-04	5.48E-03	7.67E-04	1.53E-02
360.032	4249.325	2.65E+00	1.14E-01	2.74E-04	6.38E-03	7.67E-04	1.79E-02
360.068	4249.275	3.03E+00	1.14E-01	2.74E-04	7.28E-03	7.67E-04	2.04E-02
360.088	4249.225	3.40E+00	1.14E-01	2.74E-04	8.18E-03	7.67E-04	2.29E-02
360.06	4249.18	3.48E+00	1.14E-01	2.74E-04	8.36E-03	7.67E-04	2.34E-02
360.115	4249.143	3.69E+00	1.14E-01	2.74E-04	8.87E-03	7.67E-04	2.48E-02
360.171	4249.034	5.56E+00	1.14E-01	2.74E-04	1.34E-02	7.67E-04	3.74E-02
360.171	4249.149	4.48E+00	1.14E-01	2.74E-04	1.08E-02	7.67E-04	3.01E-02
360.198	4249.204	4.27E+00	1.14E-01	2.74E-04	1.03E-02	7.67E-04	2.87E-02
360.2	4249.26	3.87E+00	1.14E-01	2.74E-04	9.30E-03	7.67E-04	2.60E-02
360.199	4249.312	3.50E+00	1.14E-01	2.74E-04	8.41E-03	7.67E-04	2.35E-02
360.195	4249.375	3.07E+00	1.14E-01	2.74E-04	7.39E-03	7.67E-04	2.07E-02
360.191	4249.427	2.77E+00	1.14E-01	2.74E-04	6.65E-03	7.67E-04	1.86E-02
360.189	4249.503	2.40E+00	1.14E-01	2.74E-04	5.78E-03	7.67E-04	1.62E-02
360.186	4249.569	2.14E+00	1.14E-01	2.74E-04	5.15E-03	7.67E-04	1.44E-02
360.178	4249.644	1.91E+00	1.14E-01	2.74E-04	4.60E-03	7.67E-04	1.29E-02
360.178	4249.719	1.73E+00	1.14E-01	2.74E-04	4.16E-03	7.67E-04	1.16E-02
360.186	4249.823	1.52E+00	1.14E-01	2.74E-04	3.65E-03	7.67E-04	1.02E-02
360.188	4249.929	1.31E+00	1.14E-01	2.74E-04	3.14E-03	7.67E-04	8.79E-03
360.18	4250.032	1.14E+00	1.14E-01	2.74E-04	2.73E-03	7.67E-04	7.65E-03
360.091	4250.02	1.03E+00	1.14E-01	2.74E-04	2.48E-03	7.67E-04	6.95E-03
360.003	4250.007	9.51E-01	1.14E-01	2.74E-04	2.29E-03	7.67E-04	6.40E-03
359.914	4249.995	8.86E-01	1.14E-01	2.74E-04	2.13E-03	7.67E-04	5.96E-03
360.269	4249.127	5.31E+00	1.14E-01	2.74E-04	1.28E-02	7.67E-04	3.57E-02
360.334	4249.128	5.70E+00	1.14E-01	2.74E-04	1.37E-02	7.67E-04	3.83E-02
360.403	4249.137	6.32E+00	1.14E-01	2.74E-04	1.52E-02	7.67E-04	4.25E-02
360.498	4249.157	7.97E+00	1.14E-01	2.74E-04	1.91E-02	7.67E-04	5.36E-02
360.592	4249.185	7.64E+00	1.14E-01	2.74E-04	1.84E-02	7.67E-04	5.14E-02
360.678	4249.21	5.52E+00	1.14E-01	2.74E-04	1.33E-02	7.67E-04	3.71E-02
360.632	4249.294	4.38E+00	1.14E-01	2.74E-04	1.05E-02	7.67E-04	2.94E-02
360.585	4249.378	3.58E+00	1.14E-01	2.74E-04	8.60E-03	7.67E-04	2.41E-02
360.538	4249.462	2.87E+00	1.14E-01	2.74E-04	6.90E-03	7.67E-04	1.93E-02
360.491	4249.545	2.47E+00	1.14E-01	2.74E-04	5.95E-03	7.67E-04	1.66E-02
360.444	4249.629	2.03E+00	1.14E-01	2.74E-04	4.89E-03	7.67E-04	1.37E-02
360.397	4249.713	1.81E+00	1.14E-01	2.74E-04	4.35E-03	7.67E-04	1.22E-02
360.35	4249.797	1.56E+00	1.14E-01	2.74E-04	3.76E-03	7.67E-04	1.05E-02
360.277	4249.8	1.67E+00	1.14E-01	2.74E-04	4.01E-03	7.67E-04	1.12E-02
360.233	4249.168	4.88E+00	1.14E-01	2.74E-04	1.17E-02	7.67E-04	3.28E-02
360.049	4248.941	4.64E+00	1.14E-01	2.74E-04	1.12E-02	7.67E-04	3.12E-02
359.958	4248.92	3.69E+00	1.14E-01	2.74E-04	8.87E-03	7.67E-04	2.48E-02
359.868	4248.894	3.08E+00	1.14E-01	2.74E-04	7.40E-03	7.67E-04	2.07E-02
359.743	4248.646	2.45E+00	1.14E-01	2.74E-04	5.89E-03	7.67E-04	1.65E-02
359.749	4248.592	2.47E+00	1.14E-01	2.74E-04	5.95E-03	7.67E-04	1.66E-02
359.754	4248.513	2.48E+00	1.14E-01	2.74E-04	5.97E-03	7.67E-04	1.67E-02
359.751	4248.443	2.50E+00	1.14E-01	2.74E-04	6.01E-03	7.67E-04	1.68E-02
359.839	4248.354	2.99E+00	1.14E-01	2.74E-04	7.19E-03	7.67E-04	2.01E-02
359.934	4248.308	3.62E+00	1.14E-01	2.74E-04	8.71E-03	7.67E-04	2.44E-02
360.03	4248.262	4.30E+00	1.14E-01	2.74E-04	1.03E-02	7.67E-04	2.89E-02
360.23	4248.121	7.54E+00	1.14E-01	2.74E-04	1.81E-02	7.67E-04	5.08E-02
360.196	4248.694	9.16E+00	1.14E-01	2.74E-04	2.20E-02	7.67E-04	6.16E-02
360.188	4248.787	8.33E+00	1.14E-01	2.74E-04	2.00E-02	7.67E-04	5.61E-02
360.186	4248.85	7.81E+00	1.14E-01	2.74E-04	1.88E-02	7.67E-04	5.25E-02
360.187	4248.927	7.03E+00	1.14E-01	2.74E-04	1.69E-02	7.67E-04	4.73E-02
360.728	4248.992	1.19E+01	1.14E-01	2.74E-04	2.87E-02	7.67E-04	8.03E-02
360.4	4248.912	1.65E+01	1.14E-01	2.74E-04	3.97E-02	7.67E-04	1.11E-01
360.341	4248.904	1.33E+01	1.14E-01	2.74E-04	3.20E-02	7.67E-04	8.97E-02
360.253	4248.902	9.31E+00	1.14E-01	2.74E-04	2.24E-02	7.67E-04	6.26E-02
360.239	4248.398	9.01E+00	1.14E-01	2.74E-04	2.17E-02	7.67E-04	6.07E-02
360.289	4248.002	1.26E+01	1.14E-01	2.74E-04	3.02E-02	7.67E-04	8.45E-02
360.302	4247.704	1.93E+02	1.14E-01	2.74E-04	4.65E-01	7.67E-04	1.30E+00
360.305	4247.6	1.52E+01	1.14E-01	2.74E-04	3.66E-02	7.67E-04	1.02E-01
360.302	4247.5	2.32E+01	1.14E-01	2.74E-04	5.58E-02	7.67E-04	1.56E-01
360.301	4247.402	6.98E+01	1.14E-01	2.74E-04	1.68E-01	7.67E-04	4.70E-01
360.293	4247.104	3.77E+00	1.14E-01	2.74E-04	9.07E-03	7.67E-04	2.54E-02
360.296	4246.694	1.57E+00	1.14E-01	2.74E-04	3.78E-03	7.67E-04	1.06E-02
360.295	4246.592	8.26E-01	1.14E-01	2.74E-04	1.99E-03	7.67E-04	5.56E-03
360.298	4246.497	5.81E-01	1.14E-01	2.74E-04	1.40E-03	7.67E-04	3.91E-03
360.3	4246.446	5.15E-01	1.14E-01	2.74E-04	1.24E-03	7.67E-04	3.46E-03
360.299	4246.33	4.20E-01	1.14E-01	2.74E-04	1.01E-03	7.67E-04	2.83E-03
360.328	4246.639	1.02E+00	1.14E-01	2.74E-04	2.46E-03	7.67E-04	6.88E-03
360.337	4246.747	2.16E+00	1.14E-01	2.74E-04	5.18E-03	7.67E-04	1.45E-02
360.383	4246.773	1.82E+00	1.14E-01	2.74E-04	4.38E-03	7.67E-04	1.23E-02
360.404	4246.9	1.93E+00	1.14E-01	2.74E-04	4.64E-03	7.67E-04	1.30E-02
360.413	4246.998	2.29E+00	1.14E-01	2.74E-04	5.50E-03	7.67E-04	1.54E-02
360.428	4247.101	3.76E+00	1.14E-01	2.74E-04	9.05E-03	7.67E-04	2.53E-02
360.395	4247.146	5.03E+00	1.14E-01	2.74E-04	1.21E-02	7.67E-04	3.39E-02
360.41	4247.229	1.20E+01	1.14E-01	2.74E-04	2.89E-02	7.67E-04	8.10E-02
360.426	4247.312	2.00E+01	1.14E-01	2.74E-04	4.80E-02	7.67E-04	1.34E-01
360.481	4247.39	1.18E+01	1.14E-01	2.74E-04	2.83E-02	7.67E-04	7.93E-02

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
1,2,4-TRIMETHYLBENZENE - TASK 3

RECEPTOR (x,y) km		CONCENTRATION (ug/m3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP #(CNC)	CHILD NON-CANCER HQ
359.832	4249.938	1.50E-01	1.70E-03	2.74E-04	2.42E-02	7.67E-04	6.77E-02
359.84	4249.884	1.62E-01	1.70E-03	2.74E-04	2.61E-02	7.67E-04	7.32E-02
359.86	4249.794	1.87E-01	1.70E-03	2.74E-04	3.01E-02	7.67E-04	8.44E-02
359.875	4249.736	2.06E-01	1.70E-03	2.74E-04	3.32E-02	7.67E-04	9.30E-02
359.806	4249.729	1.92E-01	1.70E-03	2.74E-04	3.09E-02	7.67E-04	8.66E-02
359.818	4249.667	2.12E-01	1.70E-03	2.74E-04	3.42E-02	7.67E-04	9.59E-02
359.827	4249.617	2.29E-01	1.70E-03	2.74E-04	3.69E-02	7.67E-04	1.03E-01
359.836	4249.56	2.50E-01	1.70E-03	2.74E-04	4.03E-02	7.67E-04	1.13E-01
359.849	4249.506	2.74E-01	1.70E-03	2.74E-04	4.42E-02	7.67E-04	1.24E-01
359.888	4249.439	3.21E-01	1.70E-03	2.74E-04	5.18E-02	7.67E-04	1.45E-01
359.939	4249.397	3.74E-01	1.70E-03	2.74E-04	6.03E-02	7.67E-04	1.69E-01
359.984	4249.373	4.19E-01	1.70E-03	2.74E-04	6.76E-02	7.67E-04	1.89E-01
360.032	4249.325	4.96E-01	1.70E-03	2.74E-04	8.00E-02	7.67E-04	2.24E-01
360.068	4249.275	5.71E-01	1.70E-03	2.74E-04	9.20E-02	7.67E-04	2.58E-01
360.088	4249.225	6.47E-01	1.70E-03	2.74E-04	1.04E-01	7.67E-04	2.92E-01
360.06	4249.18	6.60E-01	1.70E-03	2.74E-04	1.06E-01	7.67E-04	2.98E-01
360.115	4249.143	7.23E-01	1.70E-03	2.74E-04	1.17E-01	7.67E-04	3.26E-01
360.171	4249.034	1.13E+00	1.70E-03	2.74E-04	1.82E-01	7.67E-04	5.10E-01
360.171	4249.149	8.85E-01	1.70E-03	2.74E-04	1.43E-01	7.67E-04	3.99E-01
360.198	4249.204	8.39E-01	1.70E-03	2.74E-04	1.35E-01	7.67E-04	3.79E-01
360.2	4249.26	7.52E-01	1.70E-03	2.74E-04	1.21E-01	7.67E-04	3.39E-01
360.199	4249.312	6.73E-01	1.70E-03	2.74E-04	1.08E-01	7.67E-04	3.04E-01
360.195	4249.375	5.86E-01	1.70E-03	2.74E-04	9.45E-02	7.67E-04	2.64E-01
360.191	4249.427	5.25E-01	1.70E-03	2.74E-04	8.45E-02	7.67E-04	2.37E-01
360.189	4249.503	4.50E-01	1.70E-03	2.74E-04	7.25E-02	7.67E-04	2.03E-01
360.186	4249.569	3.96E-01	1.70E-03	2.74E-04	6.38E-02	7.67E-04	1.78E-01
360.178	4249.644	3.53E-01	1.70E-03	2.74E-04	5.68E-02	7.67E-04	1.59E-01
360.178	4249.719	3.16E-01	1.70E-03	2.74E-04	5.09E-02	7.67E-04	1.43E-01
360.186	4249.823	2.74E-01	1.70E-03	2.74E-04	4.41E-02	7.67E-04	1.23E-01
360.188	4249.929	2.31E-01	1.70E-03	2.74E-04	3.72E-02	7.67E-04	1.04E-01
360.18	4250.032	1.99E-01	1.70E-03	2.74E-04	3.21E-02	7.67E-04	8.98E-02
360.091	4250.02	1.79E-01	1.70E-03	2.74E-04	2.89E-02	7.67E-04	8.09E-02
360.003	4250.007	1.64E-01	1.70E-03	2.74E-04	2.64E-02	7.67E-04	7.39E-02
359.914	4249.995	1.52E-01	1.70E-03	2.74E-04	2.45E-02	7.67E-04	6.85E-02
360.269	4249.127	1.11E+00	1.70E-03	2.74E-04	1.79E-01	7.67E-04	5.02E-01
360.334	4249.128	1.25E+00	1.70E-03	2.74E-04	2.01E-01	7.67E-04	5.62E-01
360.403	4249.137	1.41E+00	1.70E-03	2.74E-04	2.27E-01	7.67E-04	6.36E-01
360.498	4249.157	1.69E+00	1.70E-03	2.74E-04	2.72E-01	7.67E-04	7.62E-01
360.592	4249.185	1.56E+00	1.70E-03	2.74E-04	2.51E-01	7.67E-04	7.04E-01
360.678	4249.21	1.12E+00	1.70E-03	2.74E-04	1.81E-01	7.67E-04	5.07E-01
360.632	4249.294	8.75E-01	1.70E-03	2.74E-04	1.41E-01	7.67E-04	3.95E-01
360.585	4249.378	6.98E-01	1.70E-03	2.74E-04	1.12E-01	7.67E-04	3.15E-01
360.538	4249.462	5.44E-01	1.70E-03	2.74E-04	8.77E-02	7.67E-04	2.46E-01
360.491	4249.545	4.64E-01	1.70E-03	2.74E-04	7.47E-02	7.67E-04	2.09E-01
360.444	4249.629	3.70E-01	1.70E-03	2.74E-04	5.96E-02	7.67E-04	1.67E-01
360.397	4249.713	3.28E-01	1.70E-03	2.74E-04	5.28E-02	7.67E-04	1.48E-01
360.35	4249.797	2.79E-01	1.70E-03	2.74E-04	4.50E-02	7.67E-04	1.26E-01
360.277	4249.8	3.01E-01	1.70E-03	2.74E-04	4.86E-02	7.67E-04	1.36E-01
360.233	4249.168	9.80E-01	1.70E-03	2.74E-04	1.58E-01	7.67E-04	4.42E-01
360.049	4248.941	8.90E-01	1.70E-03	2.74E-04	1.43E-01	7.67E-04	4.01E-01
359.958	4248.92	6.77E-01	1.70E-03	2.74E-04	1.09E-01	7.67E-04	3.05E-01
359.868	4248.894	5.43E-01	1.70E-03	2.74E-04	8.75E-02	7.67E-04	2.45E-01
359.743	4248.646	4.10E-01	1.70E-03	2.74E-04	6.61E-02	7.67E-04	1.85E-01
359.749	4248.592	4.11E-01	1.70E-03	2.74E-04	6.63E-02	7.67E-04	1.86E-01
359.754	4248.513	4.06E-01	1.70E-03	2.74E-04	6.55E-02	7.67E-04	1.83E-01
359.751	4248.443	3.97E-01	1.70E-03	2.74E-04	6.40E-02	7.67E-04	1.79E-01
359.839	4248.354	4.72E-01	1.70E-03	2.74E-04	7.61E-02	7.67E-04	2.13E-01
359.934	4248.308	5.62E-01	1.70E-03	2.74E-04	9.05E-02	7.67E-04	2.53E-01
360.03	4248.262	6.72E-01	1.70E-03	2.74E-04	1.08E-01	7.67E-04	3.03E-01
360.23	4248.121	9.60E-01	1.70E-03	2.74E-04	1.55E-01	7.67E-04	4.33E-01
360.196	4248.694	1.81E+00	1.70E-03	2.74E-04	2.92E-01	7.67E-04	8.17E-01
360.188	4248.787	1.68E+00	1.70E-03	2.74E-04	2.71E-01	7.67E-04	7.59E-01
360.186	4248.85	1.59E+00	1.70E-03	2.74E-04	2.56E-01	7.67E-04	7.17E-01
360.187	4248.927	1.44E+00	1.70E-03	2.74E-04	2.33E-01	7.67E-04	6.52E-01
360.728	4248.992	2.51E+00	1.70E-03	2.74E-04	4.04E-01	7.67E-04	1.13E+00
360.4	4248.912	3.99E+00	1.70E-03	2.74E-04	6.43E-01	7.67E-04	1.80E+00
360.341	4248.904	3.15E+00	1.70E-03	2.74E-04	5.07E-01	7.67E-04	1.42E+00
360.253	4248.902	1.98E+00	1.70E-03	2.74E-04	3.18E-01	7.67E-04	8.91E-01
360.239	4248.398	1.72E+00	1.70E-03	2.74E-04	2.77E-01	7.67E-04	7.75E-01
360.289	4248.002	1.38E+00	1.70E-03	2.74E-04	2.22E-01	7.67E-04	6.20E-01
360.302	4247.704	1.87E+01	1.70E-03	2.74E-04	3.01E+00	7.67E-04	8.42E+00
360.305	4247.6	8.71E-01	1.70E-03	2.74E-04	1.40E-01	7.67E-04	3.93E-01
360.302	4247.5	5.27E-01	1.70E-03	2.74E-04	8.49E-02	7.67E-04	2.38E-01
360.301	4247.402	4.13E-01	1.70E-03	2.74E-04	6.65E-02	7.67E-04	1.86E-01
360.293	4247.104	2.38E-01	1.70E-03	2.74E-04	3.84E-02	7.67E-04	1.07E-01
360.296	4246.694	6.82E-02	1.70E-03	2.74E-04	1.10E-02	7.67E-04	3.08E-02
360.295	4246.592	5.83E-02	1.70E-03	2.74E-04	9.40E-03	7.67E-04	2.63E-02
360.298	4246.497	4.78E-02	1.70E-03	2.74E-04	7.70E-03	7.67E-04	2.16E-02
360.3	4246.446	4.40E-02	1.70E-03	2.74E-04	7.09E-03	7.67E-04	1.98E-02
360.299	4246.33	3.88E-02	1.70E-03	2.74E-04	6.25E-03	7.67E-04	1.75E-02
360.328	4246.639	6.03E-02	1.70E-03	2.74E-04	9.72E-03	7.67E-04	2.72E-02
360.337	4246.747	7.00E-02	1.70E-03	2.74E-04	1.13E-02	7.67E-04	3.16E-02
360.383	4246.773	7.02E-02	1.70E-03	2.74E-04	1.13E-02	7.67E-04	3.17E-02
360.404	4246.9	1.10E-01	1.70E-03	2.74E-04	1.77E-02	7.67E-04	4.96E-02
360.413	4246.998	1.29E-01	1.70E-03	2.74E-04	2.07E-02	7.67E-04	5.80E-02
360.428	4247.101	1.63E-01	1.70E-03	2.74E-04	2.63E-02	7.67E-04	7.37E-02
360.395	4247.146	2.19E-01	1.70E-03	2.74E-04	3.53E-02	7.67E-04	9.87E-02
360.41	4247.229	2.23E-01	1.70E-03	2.74E-04	3.60E-02	7.67E-04	1.01E-01
360.426	4247.312	2.27E-01	1.70E-03	2.74E-04	3.66E-02	7.67E-04	1.03E-01
360.481	4247.39	2.83E-01	1.70E-03	2.74E-04	4.56E-02	7.67E-04	1.28E-01

CANCER RISKS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
ARSENIC - TASK 1

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	CSF (mg/kg-day)$^{-1}$	EXP # (LC) (mg-m^3/ug-kg-day)	LIFETIME CANCER RISK	EXP # (AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	1.01E-03	1.51E+01	1.60E-04	2.43E-06	9.39E-05	1.43E-06	6.58E-05	1.00E-06
359.84	4249.884	1.05E-03	1.51E+01	1.60E-04	2.54E-06	9.39E-05	1.49E-06	6.58E-05	1.05E-06
359.86	4249.794	1.16E-03	1.51E+01	1.60E-04	2.79E-06	9.39E-05	1.64E-06	6.58E-05	1.15E-06
359.875	4249.736	1.23E-03	1.51E+01	1.60E-04	2.96E-06	9.39E-05	1.74E-06	6.58E-05	1.22E-06
359.806	4249.729	1.16E-03	1.51E+01	1.60E-04	2.79E-06	9.39E-05	1.64E-06	6.58E-05	1.15E-06
359.818	4249.667	1.23E-03	1.51E+01	1.60E-04	2.96E-06	9.39E-05	1.74E-06	6.58E-05	1.22E-06
359.827	4249.617	1.28E-03	1.51E+01	1.60E-04	3.09E-06	9.39E-05	1.82E-06	6.58E-05	1.27E-06
359.836	4249.56	1.34E-03	1.51E+01	1.60E-04	3.23E-06	9.39E-05	1.90E-06	6.58E-05	1.33E-06
359.849	4249.506	1.40E-03	1.51E+01	1.60E-04	3.38E-06	9.39E-05	1.99E-06	6.58E-05	1.39E-06
359.888	4249.439	1.56E-03	1.51E+01	1.60E-04	3.75E-06	9.39E-05	2.21E-06	6.58E-05	1.54E-06
359.939	4249.397	1.75E-03	1.51E+01	1.60E-04	4.21E-06	9.39E-05	2.48E-06	6.58E-05	1.73E-06
359.984	4249.373	1.90E-03	1.51E+01	1.60E-04	4.58E-06	9.39E-05	2.69E-06	6.58E-05	1.88E-06
360.032	4249.325	2.15E-03	1.51E+01	1.60E-04	5.17E-06	9.39E-05	3.04E-06	6.58E-05	2.13E-06
360.068	4249.275	2.32E-03	1.51E+01	1.60E-04	5.59E-06	9.39E-05	3.29E-06	6.58E-05	2.30E-06
360.088	4249.225	2.48E-03	1.51E+01	1.60E-04	5.98E-06	9.39E-05	3.52E-06	6.58E-05	2.46E-06
360.06	4249.18	2.49E-03	1.51E+01	1.60E-04	6.01E-06	9.39E-05	3.53E-06	6.58E-05	2.47E-06
360.115	4249.143	2.74E-03	1.51E+01	1.60E-04	6.60E-06	9.39E-05	3.88E-06	6.58E-05	2.72E-06
360.171	4249.034	3.47E-03	1.51E+01	1.60E-04	8.36E-06	9.39E-05	4.92E-06	6.58E-05	3.44E-06
360.171	4249.149	2.88E-03	1.51E+01	1.60E-04	6.95E-06	9.39E-05	4.09E-06	6.58E-05	2.86E-06
360.198	4249.204	2.76E-03	1.51E+01	1.60E-04	6.66E-06	9.39E-05	3.91E-06	6.58E-05	2.74E-06
360.2	4249.26	2.61E-03	1.51E+01	1.60E-04	6.29E-06	9.39E-05	3.70E-06	6.58E-05	2.59E-06
360.199	4249.312	2.46E-03	1.51E+01	1.60E-04	5.94E-06	9.39E-05	3.49E-06	6.58E-05	2.45E-06
360.195	4249.375	2.27E-03	1.51E+01	1.60E-04	5.49E-06	9.39E-05	3.23E-06	6.58E-05	2.26E-06
360.191	4249.427	2.12E-03	1.51E+01	1.60E-04	5.12E-06	9.39E-05	3.01E-06	6.58E-05	2.11E-06
360.189	4249.503	1.96E-03	1.51E+01	1.60E-04	4.72E-06	9.39E-05	2.77E-06	6.58E-05	1.94E-06
360.186	4249.569	1.84E-03	1.51E+01	1.60E-04	4.43E-06	9.39E-05	2.60E-06	6.58E-05	1.82E-06
360.178	4249.644	1.73E-03	1.51E+01	1.60E-04	4.18E-06	9.39E-05	2.46E-06	6.58E-05	1.72E-06
360.178	4249.719	1.62E-03	1.51E+01	1.60E-04	3.92E-06	9.39E-05	2.30E-06	6.58E-05	1.61E-06
360.186	4249.823	1.48E-03	1.51E+01	1.60E-04	3.57E-06	9.39E-05	2.10E-06	6.58E-05	1.47E-06
360.188	4249.929	1.33E-03	1.51E+01	1.60E-04	3.21E-06	9.39E-05	1.89E-06	6.58E-05	1.32E-06
360.18	4250.032	1.25E-03	1.51E+01	1.60E-04	3.01E-06	9.39E-05	1.77E-06	6.58E-05	1.24E-06
360.091	4250.02	1.20E-03	1.51E+01	1.60E-04	2.89E-06	9.39E-05	1.70E-06	6.58E-05	1.19E-06
360.003	4250.007	1.12E-03	1.51E+01	1.60E-04	2.71E-06	9.39E-05	1.59E-06	6.58E-05	1.12E-06
359.914	4249.995	1.05E-03	1.51E+01	1.60E-04	2.54E-06	9.39E-05	1.49E-06	6.58E-05	1.05E-06
360.269	4249.127	3.04E-03	1.51E+01	1.60E-04	7.33E-06	9.39E-05	4.31E-06	6.58E-05	3.02E-06
360.334	4249.128	3.05E-03	1.51E+01	1.60E-04	7.35E-06	9.39E-05	4.32E-06	6.58E-05	3.03E-06
360.403	4249.137	2.99E-03	1.51E+01	1.60E-04	7.20E-06	9.39E-05	4.23E-06	6.58E-05	2.96E-06
360.498	4249.157	2.82E-03	1.51E+01	1.60E-04	6.80E-06	9.39E-05	4.00E-06	6.58E-05	2.80E-06
360.592	4249.185	2.63E-03	1.51E+01	1.60E-04	6.34E-06	9.39E-05	3.73E-06	6.58E-05	2.61E-06
360.678	4249.21	2.35E-03	1.51E+01	1.60E-04	5.66E-06	9.39E-05	3.33E-06	6.58E-05	2.33E-06
360.632	4249.294	2.33E-03	1.51E+01	1.60E-04	5.61E-06	9.39E-05	3.30E-06	6.58E-05	2.31E-06
360.585	4249.378	2.27E-03	1.51E+01	1.60E-04	5.47E-06	9.39E-05	3.22E-06	6.58E-05	2.25E-06
360.538	4249.462	2.17E-03	1.51E+01	1.60E-04	5.22E-06	9.39E-05	3.07E-06	6.58E-05	2.15E-06
360.491	4249.545	2.06E-03	1.51E+01	1.60E-04	4.97E-06	9.39E-05	2.92E-06	6.58E-05	2.05E-06
360.444	4249.629	1.92E-03	1.51E+01	1.60E-04	4.63E-06	9.39E-05	2.72E-06	6.58E-05	1.91E-06
360.397	4249.713	1.78E-03	1.51E+01	1.60E-04	4.30E-06	9.39E-05	2.53E-06	6.58E-05	1.77E-06
360.35	4249.797	1.62E-03	1.51E+01	1.60E-04	3.91E-06	9.39E-05	2.30E-06	6.58E-05	1.61E-06
360.277	4249.8	1.56E-03	1.51E+01	1.60E-04	3.76E-06	9.39E-05	2.21E-06	6.58E-05	1.55E-06
360.233	4249.168	2.91E-03	1.51E+01	1.60E-04	7.02E-06	9.39E-05	4.13E-06	6.58E-05	2.89E-06
360.049	4248.941	3.42E-03	1.51E+01	1.60E-04	8.25E-06	9.39E-05	4.85E-06	6.58E-05	3.40E-06
359.958	4248.92	2.57E-03	1.51E+01	1.60E-04	6.19E-06	9.39E-05	3.64E-06	6.58E-05	2.55E-06
359.868	4248.894	2.33E-03	1.51E+01	1.60E-04	5.61E-06	9.39E-05	3.30E-06	6.58E-05	2.31E-06
359.743	4248.646	2.04E-03	1.51E+01	1.60E-04	4.92E-06	9.39E-05	2.89E-06	6.58E-05	2.03E-06
359.749	4248.592	2.00E-03	1.51E+01	1.60E-04	4.83E-06	9.39E-05	2.84E-06	6.58E-05	1.99E-06
359.754	4248.513	1.77E-03	1.51E+01	1.60E-04	4.26E-06	9.39E-05	2.51E-06	6.58E-05	1.76E-06
359.751	4248.443	1.72E-03	1.51E+01	1.60E-04	4.14E-06	9.39E-05	2.43E-06	6.58E-05	1.70E-06
359.839	4248.354	2.26E-03	1.51E+01	1.60E-04	5.45E-06	9.39E-05	3.21E-06	6.58E-05	2.25E-06
359.934	4248.308	3.59E-03	1.51E+01	1.60E-04	8.67E-06	9.39E-05	5.10E-06	6.58E-05	3.57E-06
360.03	4248.262	6.80E-03	1.51E+01	1.60E-04	1.64E-05	9.39E-05	9.64E-06	6.58E-05	6.75E-06
360.23	4248.121	2.03E-02	1.51E+01	1.60E-04	4.90E-05	9.39E-05	2.88E-05	6.58E-05	2.02E-05
360.196	4248.694	6.70E-03	1.51E+01	1.60E-04	1.62E-05	9.39E-05	9.50E-06	6.58E-05	6.65E-06
360.188	4248.787	5.08E-03	1.51E+01	1.60E-04	1.23E-05	9.39E-05	7.21E-06	6.58E-05	5.05E-06
360.186	4248.85	4.46E-03	1.51E+01	1.60E-04	1.08E-05	9.39E-05	6.33E-06	6.58E-05	4.43E-06
360.187	4248.927	4.06E-03	1.51E+01	1.60E-04	9.79E-06	9.39E-05	5.76E-06	6.58E-05	4.03E-06
360.728	4248.992	2.34E-03	1.51E+01	1.60E-04	5.65E-06	9.39E-05	3.32E-06	6.58E-05	2.33E-06
360.4	4248.912	3.68E-03	1.51E+01	1.60E-04	8.87E-06	9.39E-05	5.22E-06	6.58E-05	3.65E-06
360.341	4248.904	3.90E-03	1.51E+01	1.60E-04	9.40E-06	9.39E-05	5.53E-06	6.58E-05	3.87E-06
360.253	4248.902	4.08E-03	1.51E+01	1.60E-04	9.84E-06	9.39E-05	5.79E-06	6.58E-05	4.05E-06
360.239	4248.398	2.54E-02	1.51E+01	1.60E-04	6.12E-05	9.39E-05	3.60E-05	6.58E-05	2.52E-05
360.289	4248.002	6.77E-03	1.51E+01	1.60E-04	1.63E-05	9.39E-05	9.60E-06	6.58E-05	6.72E-06
360.302	4247.704	1.63E-03	1.51E+01	1.60E-04	3.94E-06	9.39E-05	2.32E-06	6.58E-05	1.62E-06
360.305	4247.6	1.33E-03	1.51E+01	1.60E-04	3.21E-06	9.39E-05	1.89E-06	6.58E-05	1.32E-06
360.302	4247.5	1.09E-03	1.51E+01	1.60E-04	2.64E-06	9.39E-05	1.55E-06	6.58E-05	1.09E-06
360.301	4247.402	8.93E-04	1.51E+01	1.60E-04	2.15E-06	9.39E-05	1.27E-06	6.58E-05	8.86E-07
360.293	4247.104	6.58E-04	1.51E+01	1.60E-04	1.59E-06	9.39E-05	9.33E-07	6.58E-05	6.54E-07
360.296	4246.694	4.60E-04	1.51E+01	1.60E-04	1.11E-06	9.39E-05	6.52E-07	6.58E-05	4.57E-07
360.295	4246.592	4.26E-04	1.51E+01	1.60E-04	1.03E-06	9.39E-05	6.04E-07	6.58E-05	4.23E-07
360.298	4246.497	3.92E-04	1.51E+01	1.60E-04	9.46E-07	9.39E-05	5.56E-07	6.58E-05	3.90E-07
360.3	4246.446	3.80E-04	1.51E+01	1.60E-04	9.16E-07	9.39E-05	5.39E-07	6.58E-05	3.77E-07
360.299	4246.33	3.60E-04	1.51E+01	1.60E-04	8.67E-07	9.39E-05	5.10E-07	6.58E-05	3.57E-07

CANCER RISKS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
BENZENE - TASK 1

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	CSF (mg/kg-day)$^{-1}$	EXP# (mg-m^3/ug-kg-day)	LIFETIME CANCER RISK	EXP # (AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	7.29E-01	2.90E-02	1.60E-04	3.37E-06	9.39E-05	1.98E-06	6.58E-05	1.39E-06
359.84	4249.884	7.73E-01	2.90E-02	1.60E-04	3.58E-06	9.39E-05	2.11E-06	6.58E-05	1.47E-06
359.86	4249.794	8.63E-01	2.90E-02	1.60E-04	4.00E-06	9.39E-05	2.35E-06	6.58E-05	1.65E-06
359.875	4249.736	9.30E-01	2.90E-02	1.60E-04	4.31E-06	9.39E-05	2.53E-06	6.58E-05	1.77E-06
359.806	4249.729	8.83E-01	2.90E-02	1.60E-04	4.09E-06	9.39E-05	2.41E-06	6.58E-05	1.68E-06
359.818	4249.667	9.55E-01	2.90E-02	1.60E-04	4.42E-06	9.39E-05	2.60E-06	6.58E-05	1.82E-06
359.827	4249.617	1.02E+00	2.90E-02	1.60E-04	4.71E-06	9.39E-05	2.77E-06	6.58E-05	1.94E-06
359.836	4249.56	1.09E+00	2.90E-02	1.60E-04	5.06E-06	9.39E-05	2.97E-06	6.58E-05	2.08E-06
359.849	4249.506	1.17E+00	2.90E-02	1.60E-04	5.44E-06	9.39E-05	3.20E-06	6.58E-05	2.24E-06
359.868	4249.439	1.32E+00	2.90E-02	1.60E-04	6.10E-06	9.39E-05	3.59E-06	6.58E-05	2.51E-06
359.939	4249.397	1.46E+00	2.90E-02	1.60E-04	6.78E-06	9.39E-05	3.98E-06	6.58E-05	2.79E-06
359.984	4249.373	1.58E+00	2.90E-02	1.60E-04	7.32E-06	9.39E-05	4.31E-06	6.58E-05	3.01E-06
360.032	4249.325	1.78E+00	2.90E-02	1.60E-04	8.26E-06	9.39E-05	4.86E-06	6.58E-05	3.40E-06
360.068	4249.275	1.99E+00	2.90E-02	1.60E-04	9.20E-06	9.39E-05	5.41E-06	6.58E-05	3.79E-06
360.088	4249.225	2.19E+00	2.90E-02	1.60E-04	1.01E-05	9.39E-05	5.95E-06	6.58E-05	4.17E-06
360.06	4249.18	2.22E+00	2.90E-02	1.60E-04	1.03E-05	9.39E-05	6.05E-06	6.58E-05	4.24E-06
360.115	4249.143	2.41E+00	2.90E-02	1.60E-04	1.12E-05	9.39E-05	6.56E-06	6.58E-05	4.59E-06
360.171	4249.034	3.31E+00	2.90E-02	1.60E-04	1.53E-05	9.39E-05	9.02E-06	6.58E-05	6.32E-06
360.171	4249.149	2.73E+00	2.90E-02	1.60E-04	1.27E-05	9.39E-05	7.44E-06	6.58E-05	5.21E-06
360.198	4249.204	2.62E+00	2.90E-02	1.60E-04	1.21E-05	9.39E-05	7.14E-06	6.58E-05	5.00E-06
360.2	4249.26	2.41E+00	2.90E-02	1.60E-04	1.12E-05	9.39E-05	6.57E-06	6.58E-05	4.60E-06
360.199	4249.312	2.23E+00	2.90E-02	1.60E-04	1.03E-05	9.39E-05	6.07E-06	6.58E-05	4.25E-06
360.195	4249.375	2.01E+00	2.90E-02	1.60E-04	9.30E-06	9.39E-05	5.47E-06	6.58E-05	3.83E-06
360.191	4249.427	1.85E+00	2.90E-02	1.60E-04	8.55E-06	9.39E-05	5.03E-06	6.58E-05	3.52E-06
360.189	4249.503	1.67E+00	2.90E-02	1.60E-04	7.73E-06	9.39E-05	4.55E-06	6.58E-05	3.18E-06
360.186	4249.569	1.53E+00	2.90E-02	1.60E-04	7.08E-06	9.39E-05	4.17E-06	6.58E-05	2.92E-06
360.178	4249.644	1.40E+00	2.90E-02	1.60E-04	6.47E-06	9.39E-05	3.80E-06	6.58E-05	2.66E-06
360.178	4249.719	1.29E+00	2.90E-02	1.60E-04	5.97E-06	9.39E-05	3.51E-06	6.58E-05	2.46E-06
360.186	4249.823	1.16E+00	2.90E-02	1.60E-04	5.37E-06	9.39E-05	3.16E-06	6.58E-05	2.21E-06
360.188	4249.929	1.03E+00	2.90E-02	1.60E-04	4.78E-06	9.39E-05	2.81E-06	6.58E-05	1.97E-06
360.18	4250.032	9.21E-01	2.90E-02	1.60E-04	4.27E-06	9.39E-05	2.51E-06	6.58E-05	1.76E-06
360.091	4250.02	8.48E-01	2.90E-02	1.60E-04	3.93E-06	9.39E-05	2.31E-06	6.58E-05	1.62E-06
360.003	4250.007	7.88E-01	2.90E-02	1.60E-04	3.65E-06	9.39E-05	2.15E-06	6.58E-05	1.50E-06
359.914	4249.995	7.39E-01	2.90E-02	1.60E-04	3.42E-06	9.39E-05	2.01E-06	6.58E-05	1.41E-06
360.269	4249.127	3.20E+00	2.90E-02	1.60E-04	1.48E-05	9.39E-05	8.72E-06	6.58E-05	6.11E-06
360.334	4249.128	3.44E+00	2.90E-02	1.60E-04	1.59E-05	9.39E-05	9.38E-06	6.58E-05	6.56E-06
360.403	4249.137	3.69E+00	2.90E-02	1.60E-04	1.71E-05	9.39E-05	1.00E-05	6.58E-05	7.03E-06
360.498	4249.157	4.10E+00	2.90E-02	1.60E-04	1.90E-05	9.39E-05	1.12E-05	6.58E-05	7.83E-06
360.592	4249.185	3.93E+00	2.90E-02	1.60E-04	1.82E-05	9.39E-05	1.07E-05	6.58E-05	7.49E-06
360.678	4249.21	3.22E+00	2.90E-02	1.60E-04	1.49E-05	9.39E-05	8.77E-06	6.58E-05	6.14E-06
360.632	4249.294	2.71E+00	2.90E-02	1.60E-04	1.26E-05	9.39E-05	7.39E-06	6.58E-05	5.17E-06
360.585	4249.378	2.33E+00	2.90E-02	1.60E-04	1.08E-05	9.39E-05	6.35E-06	6.58E-05	4.45E-06
360.538	4249.462	2.01E+00	2.90E-02	1.60E-04	9.30E-06	9.39E-05	5.47E-06	6.58E-05	3.83E-06
360.491	4249.545	1.80E+00	2.90E-02	1.60E-04	8.34E-06	9.39E-05	4.90E-06	6.58E-05	3.43E-06
360.444	4249.629	1.57E+00	2.90E-02	1.60E-04	7.25E-06	9.39E-05	4.27E-06	6.58E-05	2.99E-06
360.397	4249.713	1.42E+00	2.90E-02	1.60E-04	6.59E-06	9.39E-05	3.88E-06	6.58E-05	2.71E-06
360.35	4249.797	1.27E+00	2.90E-02	1.60E-04	5.88E-06	9.39E-05	3.46E-06	6.58E-05	2.42E-06
360.277	4249.8	1.27E+00	2.90E-02	1.60E-04	5.87E-06	9.39E-05	3.45E-06	6.58E-05	2.42E-06
360.233	4249.168	2.93E+00	2.90E-02	1.60E-04	1.36E-05	9.39E-05	7.97E-06	6.58E-05	5.58E-06
360.049	4248.941	2.97E+00	2.90E-02	1.60E-04	1.38E-05	9.39E-05	8.09E-06	6.58E-05	5.66E-06
359.958	4248.92	2.52E+00	2.90E-02	1.60E-04	1.17E-05	9.39E-05	6.87E-06	6.58E-05	4.81E-06
359.868	4248.894	2.29E+00	2.90E-02	1.60E-04	1.06E-05	9.39E-05	6.23E-06	6.58E-05	4.36E-06
359.743	4248.646	2.09E+00	2.90E-02	1.60E-04	9.66E-06	9.39E-05	5.68E-06	6.58E-05	3.98E-06
359.749	4248.592	2.12E+00	2.90E-02	1.60E-04	9.80E-06	9.39E-05	5.76E-06	6.58E-05	4.04E-06
359.754	4248.513	2.15E+00	2.90E-02	1.60E-04	9.98E-06	9.39E-05	5.87E-06	6.58E-05	4.11E-06
359.751	4248.443	2.20E+00	2.90E-02	1.60E-04	1.02E-05	9.39E-05	5.98E-06	6.58E-05	4.19E-06
359.839	4248.354	2.76E+00	2.90E-02	1.60E-04	1.28E-05	9.39E-05	7.51E-06	6.58E-05	5.26E-06
359.934	4248.308	3.53E+00	2.90E-02	1.60E-04	1.63E-05	9.39E-05	9.61E-06	6.58E-05	6.73E-06
360.03	4248.262	4.61E+00	2.90E-02	1.60E-04	2.14E-05	9.39E-05	1.26E-05	6.58E-05	8.79E-06
360.23	4248.121	1.19E+01	2.90E-02	1.60E-04	5.53E-05	9.39E-05	3.25E-05	6.58E-05	2.28E-05
360.196	4248.694	5.63E+00	2.90E-02	1.60E-04	2.61E-05	9.39E-05	1.53E-05	6.58E-05	1.07E-05
360.188	4248.787	4.89E+00	2.90E-02	1.60E-04	2.26E-05	9.39E-05	1.33E-05	6.58E-05	9.32E-06
360.186	4248.85	4.47E+00	2.90E-02	1.60E-04	2.07E-05	9.39E-05	1.22E-05	6.58E-05	8.52E-06
360.187	4248.927	4.02E+00	2.90E-02	1.60E-04	1.86E-05	9.39E-05	1.09E-05	6.58E-05	7.67E-06
360.728	4248.992	5.75E+00	2.90E-02	1.60E-04	2.66E-05	9.39E-05	1.57E-05	6.58E-05	1.10E-05
360.4	4248.912	7.17E+00	2.90E-02	1.60E-04	3.32E-05	9.39E-05	1.95E-05	6.58E-05	1.37E-05
360.341	4248.904	6.34E+00	2.90E-02	1.60E-04	2.93E-05	9.39E-05	1.73E-05	6.58E-05	1.21E-05
360.253	4248.902	4.92E+00	2.90E-02	1.60E-04	2.28E-05	9.39E-05	1.34E-05	6.58E-05	9.38E-06
360.239	4248.398	8.06E+00	2.90E-02	1.60E-04	3.73E-05	9.39E-05	2.20E-05	6.58E-05	1.54E-05
360.289	4248.002	2.34E+01	2.90E-02	1.60E-04	1.09E-04	9.39E-05	6.38E-05	6.58E-05	4.47E-05
360.302	4247.704	2.27E+02	2.90E-02	1.60E-04	1.05E-03	9.39E-05	6.17E-04	6.58E-05	4.32E-04
360.305	4247.6	1.53E+01	2.90E-02	1.60E-04	7.07E-05	9.39E-05	4.16E-05	6.58E-05	2.91E-05
360.302	4247.5	8.68E+00	2.90E-02	1.60E-04	4.02E-05	9.39E-05	2.36E-05	6.58E-05	1.65E-05
360.301	4247.402	5.31E+00	2.90E-02	1.60E-04	2.46E-05	9.39E-05	1.45E-05	6.58E-05	1.01E-05
360.293	4247.104	1.54E+00	2.90E-02	1.60E-04	7.13E-06	9.39E-05	4.19E-06	6.58E-05	2.94E-06
360.296	4246.694	6.91E-01	2.90E-02	1.60E-04	3.20E-06	9.39E-05	1.88E-06	6.58E-05	1.32E-06
360.295	4246.592	5.94E-01	2.90E-02	1.60E-04	2.75E-06	9.39E-05	1.62E-06	6.58E-05	1.13E-06
360.298	4246.497	4.95E-01	2.90E-02	1.60E-04	2.29E-06	9.39E-05	1.35E-06	6.58E-05	9.44E-07
360.3	4246.446	4.63E-01	2.90E-02	1.60E-04	2.14E-06	9.39E-05	1.26E-06	6.58E-05	8.82E-07
360.299	4246.33	4.11E-01	2.90E-02	1.60E-04	1.90E-06	9.39E-05	1.12E-06	6.58E-05	7.83E-07

CANCER RISKS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
1,3-BUTADIENE - TASK 1

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	CSF (mg/kg-day)$^{-1}$	EXP # (LC) (mg-m^3/ug-kg-day)	LIFETIME CANCER RISK	EXP # (AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
				1.60E-04					
359.832	4249.938	1.50E-02	9.80E-01	1.60E-04	2.34E-06	9.39E-05	1.38E-06	6.58E-05	9.64E-07
359.84	4249.884	1.62E-02	9.80E-01	1.60E-04	2.53E-06	9.39E-05	1.49E-06	6.58E-05	1.04E-06
359.86	4249.794	1.86E-02	9.80E-01	1.60E-04	2.91E-06	9.39E-05	1.71E-06	6.58E-05	1.20E-06
359.875	4249.736	2.05E-02	9.80E-01	1.60E-04	3.21E-06	9.39E-05	1.89E-06	6.58E-05	1.32E-06
359.806	4249.729	1.92E-02	9.80E-01	1.60E-04	3.01E-06	9.39E-05	1.77E-06	6.58E-05	1.24E-06
359.818	4249.667	2.13E-02	9.80E-01	1.60E-04	3.33E-06	9.39E-05	1.96E-06	6.58E-05	1.37E-06
359.827	4249.617	2.32E-02	9.80E-01	1.60E-04	3.63E-06	9.39E-05	2.13E-06	6.58E-05	1.49E-06
359.836	4249.56	2.54E-02	9.80E-01	1.60E-04	3.98E-06	9.39E-05	2.34E-06	6.58E-05	1.64E-06
359.849	4249.506	2.78E-02	9.80E-01	1.60E-04	4.36E-06	9.39E-05	2.56E-06	6.58E-05	1.79E-06
359.888	4249.439	3.25E-02	9.80E-01	1.60E-04	5.08E-06	9.39E-05	2.99E-06	6.58E-05	2.09E-06
359.939	4249.397	3.79E-02	9.80E-01	1.60E-04	5.93E-06	9.39E-05	3.49E-06	6.58E-05	2.44E-06
359.984	4249.373	4.23E-02	9.80E-01	1.60E-04	6.63E-06	9.39E-05	3.90E-06	6.58E-05	2.73E-06
360.032	4249.325	5.00E-02	9.80E-01	1.60E-04	7.83E-06	9.39E-05	4.60E-06	6.58E-05	3.22E-06
360.068	4249.275	5.74E-02	9.80E-01	1.60E-04	8.98E-06	9.39E-05	5.28E-06	6.58E-05	3.70E-06
360.088	4249.225	6.46E-02	9.80E-01	1.60E-04	1.01E-05	9.39E-05	5.95E-06	6.58E-05	4.17E-06
360.06	4249.18	6.59E-02	9.80E-01	1.60E-04	1.03E-05	9.39E-05	6.07E-06	6.58E-05	4.25E-06
360.115	4249.143	6.91E-02	9.80E-01	1.60E-04	1.08E-05	9.39E-05	6.36E-06	6.58E-05	4.45E-06
360.171	4249.034	1.11E-01	9.80E-01	1.60E-04	1.74E-05	9.39E-05	1.02E-05	6.58E-05	7.15E-06
360.171	4249.149	8.68E-02	9.80E-01	1.60E-04	1.36E-05	9.39E-05	7.99E-06	6.58E-05	5.60E-06
360.198	4249.204	8.28E-02	9.80E-01	1.60E-04	1.30E-05	9.39E-05	7.62E-06	6.58E-05	5.34E-06
360.2	4249.26	7.46E-02	9.80E-01	1.60E-04	1.17E-05	9.39E-05	6.87E-06	6.58E-05	4.81E-06
360.199	4249.312	6.70E-02	9.80E-01	1.60E-04	1.05E-05	9.39E-05	6.16E-06	6.58E-05	4.32E-06
360.195	4249.375	5.80E-02	9.80E-01	1.60E-04	9.08E-06	9.39E-05	5.34E-06	6.58E-05	3.74E-06
360.191	4249.427	5.16E-02	9.80E-01	1.60E-04	8.08E-06	9.39E-05	4.75E-06	6.58E-05	3.32E-06
360.189	4249.503	4.44E-02	9.80E-01	1.60E-04	6.96E-06	9.39E-05	4.09E-06	6.58E-05	2.86E-06
360.186	4249.569	3.97E-02	9.80E-01	1.60E-04	6.21E-06	9.39E-05	3.65E-06	6.58E-05	2.56E-06
360.178	4249.644	3.51E-02	9.80E-01	1.60E-04	5.49E-06	9.39E-05	3.23E-06	6.58E-05	2.26E-06
360.178	4249.719	3.15E-02	9.80E-01	1.60E-04	4.92E-06	9.39E-05	2.89E-06	6.58E-05	2.03E-06
360.186	4249.823	2.75E-02	9.80E-01	1.60E-04	4.31E-06	9.39E-05	2.53E-06	6.58E-05	1.77E-06
360.188	4249.929	2.35E-02	9.80E-01	1.60E-04	3.67E-06	9.39E-05	2.16E-06	6.58E-05	1.51E-06
360.18	4250.032	2.01E-02	9.80E-01	1.60E-04	3.15E-06	9.39E-05	1.85E-06	6.58E-05	1.30E-06
360.091	4250.02	1.79E-02	9.80E-01	1.60E-04	2.81E-06	9.39E-05	1.65E-06	6.58E-05	1.16E-06
360.003	4250.007	1.63E-02	9.80E-01	1.60E-04	2.55E-06	9.39E-05	1.50E-06	6.58E-05	1.05E-06
359.914	4249.995	1.50E-02	9.80E-01	1.60E-04	2.35E-06	9.39E-05	1.38E-06	6.58E-05	9.70E-07
360.269	4249.127	1.04E-01	9.80E-01	1.60E-04	1.63E-05	9.39E-05	9.56E-06	6.58E-05	6.69E-06
360.334	4249.128	1.12E-01	9.80E-01	1.60E-04	1.76E-05	9.39E-05	1.03E-05	6.58E-05	7.23E-06
360.403	4249.137	1.27E-01	9.80E-01	1.60E-04	1.98E-05	9.39E-05	1.17E-05	6.58E-05	8.16E-06
360.498	4249.157	1.66E-01	9.80E-01	1.60E-04	2.60E-05	9.39E-05	1.53E-05	6.58E-05	1.07E-05
360.592	4249.185	1.59E-01	9.80E-01	1.60E-04	2.49E-05	9.39E-05	1.46E-05	6.58E-05	1.02E-05
360.678	4249.21	1.09E-01	9.80E-01	1.60E-04	1.71E-05	9.39E-05	1.01E-05	6.58E-05	7.05E-06
360.632	4249.294	8.56E-02	9.80E-01	1.60E-04	1.34E-05	9.39E-05	7.88E-06	6.58E-05	5.52E-06
360.585	4249.378	6.91E-02	9.80E-01	1.60E-04	1.08E-05	9.39E-05	6.36E-06	6.58E-05	4.45E-06
360.538	4249.462	5.43E-02	9.80E-01	1.60E-04	8.50E-06	9.39E-05	5.00E-06	6.58E-05	3.50E-06
360.491	4249.545	4.61E-02	9.80E-01	1.60E-04	7.21E-06	9.39E-05	4.24E-06	6.58E-05	2.97E-06
360.444	4249.629	3.71E-02	9.80E-01	1.60E-04	5.81E-06	9.39E-05	3.41E-06	6.58E-05	2.39E-06
360.397	4249.713	3.25E-02	9.80E-01	1.60E-04	5.08E-06	9.39E-05	2.99E-06	6.58E-05	2.09E-06
360.35	4249.797	2.76E-02	9.80E-01	1.60E-04	4.32E-06	9.39E-05	2.54E-06	6.58E-05	1.78E-06
360.277	4249.8	3.02E-02	9.80E-01	1.60E-04	4.73E-06	9.39E-05	2.78E-06	6.58E-05	1.95E-06
360.233	4249.168	9.56E-02	9.80E-01	1.60E-04	1.50E-05	9.39E-05	8.80E-06	6.58E-05	6.16E-06
360.049	4248.941	9.02E-02	9.80E-01	1.60E-04	1.41E-05	9.39E-05	8.30E-06	6.58E-05	5.81E-06
359.958	4248.92	6.77E-02	9.80E-01	1.60E-04	1.06E-05	9.39E-05	6.23E-06	6.58E-05	4.36E-06
359.868	4248.894	5.60E-02	9.80E-01	1.60E-04	8.76E-06	9.39E-05	5.15E-06	6.58E-05	3.61E-06
359.743	4248.646	4.07E-02	9.80E-01	1.60E-04	6.36E-06	9.39E-05	3.74E-06	6.58E-05	2.62E-06
359.749	4248.592	4.05E-02	9.80E-01	1.60E-04	6.34E-06	9.39E-05	3.73E-06	6.58E-05	2.61E-06
359.754	4248.513	3.97E-02	9.80E-01	1.60E-04	6.21E-06	9.39E-05	3.65E-06	6.58E-05	2.56E-06
359.751	4248.443	3.81E-02	9.80E-01	1.60E-04	5.96E-06	9.39E-05	3.51E-06	6.58E-05	2.46E-06
359.839	4248.354	4.42E-02	9.80E-01	1.60E-04	6.91E-06	9.39E-05	4.06E-06	6.58E-05	2.84E-06
359.934	4248.308	5.31E-02	9.80E-01	1.60E-04	8.31E-06	9.39E-05	4.89E-06	6.58E-05	3.42E-06
360.03	4248.262	6.02E-02	9.80E-01	1.60E-04	9.42E-06	9.39E-05	5.54E-06	6.58E-05	3.88E-06
360.23	4248.121	7.05E-02	9.80E-01	1.60E-04	1.10E-05	9.39E-05	6.49E-06	6.58E-05	4.54E-06
360.196	4248.694	1.73E-01	9.80E-01	1.60E-04	2.70E-05	9.39E-05	1.59E-05	6.58E-05	1.11E-05
360.188	4248.787	1.63E-01	9.80E-01	1.60E-04	2.55E-05	9.39E-05	1.50E-05	6.58E-05	1.05E-05
360.186	4248.85	1.55E-01	9.80E-01	1.60E-04	2.42E-05	9.39E-05	1.42E-05	6.58E-05	9.98E-06
360.187	4248.927	1.41E-01	9.80E-01	1.60E-04	2.21E-05	9.39E-05	1.30E-05	6.58E-05	9.11E-06
360.728	4248.992	2.40E-01	9.80E-01	1.60E-04	3.75E-05	9.39E-05	2.20E-05	6.58E-05	1.54E-05
360.4	4248.912	3.53E-01	9.80E-01	1.60E-04	5.52E-05	9.39E-05	3.25E-05	6.58E-05	2.27E-05
360.341	4248.904	2.77E-01	9.80E-01	1.60E-04	4.33E-05	9.39E-05	2.55E-05	6.58E-05	1.78E-05
360.253	4248.902	1.89E-01	9.80E-01	1.60E-04	2.96E-05	9.39E-05	1.74E-05	6.58E-05	1.22E-05
360.239	4248.398	1.46E-01	9.80E-01	1.60E-04	2.28E-05	9.39E-05	1.34E-05	6.58E-05	9.38E-06
360.289	4248.002	6.06E-02	9.80E-01	1.60E-04	9.48E-06	9.39E-05	5.58E-06	6.58E-05	3.90E-06
360.302	4247.704	3.88E-02	9.80E-01	1.60E-04	6.07E-06	9.39E-05	3.57E-06	6.58E-05	2.50E-06
360.305	4247.6	2.91E-02	9.80E-01	1.60E-04	4.55E-06	9.39E-05	2.68E-06	6.58E-05	1.88E-06
360.302	4247.5	2.11E-02	9.80E-01	1.60E-04	3.31E-06	9.39E-05	1.94E-06	6.58E-05	1.36E-06
360.301	4247.402	1.77E-02	9.80E-01	1.60E-04	2.76E-06	9.39E-05	1.63E-06	6.58E-05	1.14E-06
360.293	4247.104	1.40E-02	9.80E-01	1.60E-04	2.20E-06	9.39E-05	1.29E-06	6.58E-05	9.04E-07
360.296	4246.694	5.77E-03	9.80E-01	1.60E-04	9.02E-07	9.39E-05	5.31E-07	6.58E-05	3.72E-07
360.295	4246.592	4.92E-03	9.80E-01	1.60E-04	7.70E-07	9.39E-05	4.53E-07	6.58E-05	3.17E-07
360.298	4246.497	4.06E-03	9.80E-01	1.60E-04	6.36E-07	9.39E-05	3.74E-07	6.58E-05	2.62E-07
360.3	4246.446	3.79E-03	9.80E-01	1.60E-04	5.94E-07	9.39E-05	3.49E-07	6.58E-05	2.44E-07
360.299	4246.33	3.40E-03	9.80E-01	1.60E-04	5.32E-07	9.39E-05	3.13E-07	6.58E-05	2.19E-07

CANCER RISKS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
CARBON TETRACHLORIDE - TASK 1

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	CSF (mg/kg-day)$^{-1}$	EXP # (LC) (mg-m^3/ug-kg-day)	CANCER RISK	EXP # (AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	3.68E-02	5.30E-02	1.60E-04	3.11E-07	9.39E-05	1.83E-07	6.58E-05	1.28E-07
359.84	4249.884	4.02E-02	5.30E-02	1.60E-04	3.40E-07	9.39E-05	2.00E-07	6.58E-05	1.40E-07
359.86	4249.794	4.72E-02	5.30E-02	1.60E-04	3.99E-07	9.39E-05	2.35E-07	6.58E-05	1.64E-07
359.875	4249.736	5.26E-02	5.30E-02	1.60E-04	4.45E-07	9.39E-05	2.62E-07	6.58E-05	1.83E-07
359.806	4249.729	4.76E-02	5.30E-02	1.60E-04	4.03E-07	9.39E-05	2.37E-07	6.58E-05	1.66E-07
359.818	4249.667	5.31E-02	5.30E-02	1.60E-04	4.49E-07	9.39E-05	2.64E-07	6.58E-05	1.85E-07
359.827	4249.617	5.81E-02	5.30E-02	1.60E-04	4.91E-07	9.39E-05	2.89E-07	6.58E-05	2.02E-07
359.836	4249.56	6.42E-02	5.30E-02	1.60E-04	5.43E-07	9.39E-05	3.19E-07	6.58E-05	2.24E-07
359.849	4249.506	7.11E-02	5.30E-02	1.60E-04	6.02E-07	9.39E-05	3.54E-07	6.58E-05	2.48E-07
359.888	4249.439	8.44E-02	5.30E-02	1.60E-04	7.14E-07	9.39E-05	4.20E-07	6.58E-05	2.94E-07
359.939	4249.397	9.97E-02	5.30E-02	1.60E-04	8.43E-07	9.39E-05	4.96E-07	6.58E-05	3.47E-07
359.984	4249.373	1.14E-01	5.30E-02	1.60E-04	9.61E-07	9.39E-05	5.65E-07	6.58E-05	3.96E-07
360.032	4249.325	1.37E-01	5.30E-02	1.60E-04	1.16E-06	9.39E-05	6.80E-07	6.58E-05	4.76E-07
360.068	4249.275	1.61E-01	5.30E-02	1.60E-04	1.36E-06	9.39E-05	8.00E-07	6.58E-05	5.60E-07
360.088	4249.225	1.84E-01	5.30E-02	1.60E-04	1.56E-06	9.39E-05	9.17E-07	6.58E-05	6.42E-07
360.06	4249.18	1.82E-01	5.30E-02	1.60E-04	1.54E-06	9.39E-05	9.07E-07	6.58E-05	6.35E-07
360.115	4249.143	2.28E-01	5.30E-02	1.60E-04	1.93E-06	9.39E-05	1.14E-06	6.58E-05	7.95E-07
360.171	4249.034	3.36E-01	5.30E-02	1.60E-04	2.84E-06	9.39E-05	1.67E-06	6.58E-05	1.17E-06
360.171	4249.149	2.75E-01	5.30E-02	1.60E-04	2.33E-06	9.39E-05	1.37E-06	6.58E-05	9.58E-07
360.198	4249.204	2.65E-01	5.30E-02	1.60E-04	2.24E-06	9.39E-05	1.32E-06	6.58E-05	9.24E-07
360.2	4249.26	2.34E-01	5.30E-02	1.60E-04	1.98E-06	9.39E-05	1.17E-06	6.58E-05	8.17E-07
360.199	4249.312	2.09E-01	5.30E-02	1.60E-04	1.77E-06	9.39E-05	1.04E-06	6.58E-05	7.27E-07
360.195	4249.375	1.82E-01	5.30E-02	1.60E-04	1.54E-06	9.39E-05	9.07E-07	6.58E-05	6.35E-07
360.191	4249.427	1.63E-01	5.30E-02	1.60E-04	1.38E-06	9.39E-05	8.13E-07	6.58E-05	5.69E-07
360.189	4249.503	1.40E-01	5.30E-02	1.60E-04	1.19E-06	9.39E-05	6.97E-07	6.58E-05	4.88E-07
360.186	4249.569	1.22E-01	5.30E-02	1.60E-04	1.04E-06	9.39E-05	6.09E-07	6.58E-05	4.26E-07
360.178	4249.644	1.04E-01	5.30E-02	1.60E-04	8.81E-07	9.39E-05	5.18E-07	6.58E-05	3.63E-07
360.178	4249.719	9.01E-02	5.30E-02	1.60E-04	7.63E-07	9.39E-05	4.49E-07	6.58E-05	3.14E-07
360.186	4249.823	7.46E-02	5.30E-02	1.60E-04	6.31E-07	9.39E-05	3.71E-07	6.58E-05	2.60E-07
360.188	4249.929	6.11E-02	5.30E-02	1.60E-04	5.17E-07	9.39E-05	3.04E-07	6.58E-05	2.13E-07
360.18	4250.032	5.05E-02	5.30E-02	1.60E-04	4.27E-07	9.39E-05	2.51E-07	6.58E-05	1.76E-07
360.091	4250.02	4.57E-02	5.30E-02	1.60E-04	3.87E-07	9.39E-05	2.28E-07	6.58E-05	1.59E-07
360.003	4250.007	4.19E-02	5.30E-02	1.60E-04	3.55E-07	9.39E-05	2.09E-07	6.58E-05	1.46E-07
359.914	4249.995	3.80E-02	5.30E-02	1.60E-04	3.21E-07	9.39E-05	1.89E-07	6.58E-05	1.32E-07
360.269	4249.127	4.27E-01	5.30E-02	1.60E-04	3.62E-06	9.39E-05	2.13E-06	6.58E-05	1.49E-06
360.334	4249.128	5.68E-01	5.30E-02	1.60E-04	4.81E-06	9.39E-05	2.83E-06	6.58E-05	1.98E-06
360.403	4249.137	7.43E-01	5.30E-02	1.60E-04	6.29E-06	9.39E-05	3.70E-06	6.58E-05	2.59E-06
360.498	4249.157	9.32E-01	5.30E-02	1.60E-04	7.89E-06	9.39E-05	4.64E-06	6.58E-05	3.25E-06
360.592	4249.185	8.05E-01	5.30E-02	1.60E-04	6.81E-06	9.39E-05	4.01E-06	6.58E-05	2.81E-06
360.678	4249.21	5.70E-01	5.30E-02	1.60E-04	4.82E-06	9.39E-05	2.84E-06	6.58E-05	1.99E-06
360.632	4249.294	4.28E-01	5.30E-02	1.60E-04	3.62E-06	9.39E-05	2.13E-06	6.58E-05	1.49E-06
360.585	4249.378	3.11E-01	5.30E-02	1.60E-04	2.63E-06	9.39E-05	1.55E-06	6.58E-05	1.08E-06
360.538	4249.462	2.19E-01	5.30E-02	1.60E-04	1.85E-06	9.39E-05	1.09E-06	6.58E-05	7.62E-07
360.491	4249.545	1.77E-01	5.30E-02	1.60E-04	1.50E-06	9.39E-05	8.83E-07	6.58E-05	6.18E-07
360.444	4249.629	1.24E-01	5.30E-02	1.60E-04	1.05E-06	9.39E-05	6.18E-07	6.58E-05	4.32E-07
360.397	4249.713	1.11E-01	5.30E-02	1.60E-04	9.39E-07	9.39E-05	5.52E-07	6.58E-05	3.87E-07
360.35	4249.797	9.07E-02	5.30E-02	1.60E-04	7.68E-07	9.39E-05	4.52E-07	6.58E-05	3.16E-07
360.277	4249.8	8.93E-02	5.30E-02	1.60E-04	7.56E-07	9.39E-05	4.45E-07	6.58E-05	3.11E-07
360.233	4249.168	3.28E-01	5.30E-02	1.60E-04	2.77E-06	9.39E-05	1.63E-06	6.58E-05	1.14E-06
360.049	4248.941	2.01E-01	5.30E-02	1.60E-04	1.70E-06	9.39E-05	1.00E-06	6.58E-05	7.01E-07
359.958	4248.92	1.44E-01	5.30E-02	1.60E-04	1.22E-06	9.39E-05	7.16E-07	6.58E-05	5.01E-07
359.868	4248.894	1.08E-01	5.30E-02	1.60E-04	9.13E-07	9.39E-05	5.37E-07	6.58E-05	3.76E-07
359.743	4248.646	6.55E-02	5.30E-02	1.60E-04	5.54E-07	9.39E-05	3.26E-07	6.58E-05	2.28E-07
359.749	4248.592	6.31E-02	5.30E-02	1.60E-04	5.34E-07	9.39E-05	3.14E-07	6.58E-05	2.20E-07
359.754	4248.513	5.83E-02	5.30E-02	1.60E-04	4.93E-07	9.39E-05	2.90E-07	6.58E-05	2.03E-07
359.751	4248.443	5.24E-02	5.30E-02	1.60E-04	4.44E-07	9.39E-05	2.61E-07	6.58E-05	1.83E-07
359.839	4248.354	5.45E-02	5.30E-02	1.60E-04	4.61E-07	9.39E-05	2.71E-07	6.58E-05	1.90E-07
359.934	4248.308	6.06E-02	5.30E-02	1.60E-04	5.13E-07	9.39E-05	3.02E-07	6.58E-05	2.11E-07
360.03	4248.262	6.57E-02	5.30E-02	1.60E-04	5.56E-07	9.39E-05	3.27E-07	6.58E-05	2.29E-07
360.23	4248.121	5.70E-02	5.30E-02	1.60E-04	4.82E-07	9.39E-05	2.84E-07	6.58E-05	1.99E-07
360.196	4248.694	3.38E-01	5.30E-02	1.60E-04	2.86E-06	9.39E-05	1.68E-06	6.58E-05	1.18E-06
360.188	4248.787	3.76E-01	5.30E-02	1.60E-04	3.18E-06	9.39E-05	1.87E-06	6.58E-05	1.31E-06
360.186	4248.85	3.91E-01	5.30E-02	1.60E-04	3.31E-06	9.39E-05	1.94E-06	6.58E-05	1.36E-06
360.187	4248.927	3.93E-01	5.30E-02	1.60E-04	3.33E-06	9.39E-05	1.96E-06	6.58E-05	1.37E-06
360.728	4248.992	1.22E+00	5.30E-02	1.60E-04	1.03E-05	9.39E-05	6.08E-06	6.58E-05	4.26E-06
360.4	4248.912	1.53E+00	5.30E-02	1.60E-04	1.29E-05	9.39E-05	7.61E-06	6.58E-05	5.33E-06
360.341	4248.904	1.07E+00	5.30E-02	1.60E-04	9.02E-06	9.39E-05	5.30E-06	6.58E-05	3.71E-06
360.253	4248.902	5.95E-01	5.30E-02	1.60E-04	5.03E-06	9.39E-05	2.96E-06	6.58E-05	2.07E-06
360.239	4248.398	1.50E-01	5.30E-02	1.60E-04	1.27E-06	9.39E-05	7.45E-07	6.58E-05	5.21E-07
360.289	4248.002	4.27E-02	5.30E-02	1.60E-04	3.61E-07	9.39E-05	2.13E-07	6.58E-05	1.49E-07
360.302	4247.704	2.08E-02	5.30E-02	1.60E-04	1.76E-07	9.39E-05	1.04E-07	6.58E-05	7.26E-08
360.305	4247.6	1.69E-02	5.30E-02	1.60E-04	1.43E-07	9.39E-05	8.40E-08	6.58E-05	5.88E-08
360.302	4247.5	1.40E-02	5.30E-02	1.60E-04	1.18E-07	9.39E-05	6.96E-08	6.58E-05	4.87E-08
360.301	4247.402	1.18E-02	5.30E-02	1.60E-04	1.00E-07	9.39E-05	5.89E-08	6.58E-05	4.13E-08
360.293	4247.104	7.70E-03	5.30E-02	1.60E-04	6.52E-08	9.39E-05	3.83E-08	6.58E-05	2.68E-08
360.296	4246.694	5.00E-03	5.30E-02	1.60E-04	4.23E-08	9.39E-05	2.49E-08	6.58E-05	1.74E-08
360.295	4246.592	4.57E-03	5.30E-02	1.60E-04	3.87E-08	9.39E-05	2.27E-08	6.58E-05	1.59E-08
360.298	4246.497	4.20E-03	5.30E-02	1.60E-04	3.56E-08	9.39E-05	2.09E-08	6.58E-05	1.46E-08
360.3	4246.446	4.03E-03	5.30E-02	1.60E-04	3.41E-08	9.39E-05	2.01E-08	6.58E-05	1.41E-08
360.299	4246.33	3.68E-03	5.30E-02	1.60E-04	3.11E-08	9.39E-05	1.83E-08	6.58E-05	1.28E-08

CANCER RISKS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR

NICKEL - TASK 1

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	CSF (mg/kg-day)$^{-1}$	EXP # (LC) (mg-m^3/ug-kg-day)	LIFETIME CANCER RISK	EXP # (AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	2.78E-02	4.20E-01	1.60E-04	1.86E-06	9.39E-05	1.10E-06	6.58E-05	7.68E-07
359.84	4249.884	2.92E-02	4.20E-01	1.60E-04	1.96E-06	9.39E-05	1.15E-06	6.58E-05	8.06E-07
359.86	4249.794	3.23E-02	4.20E-01	1.60E-04	2.17E-06	9.39E-05	1.28E-06	6.58E-05	8.93E-07
359.875	4249.736	3.46E-02	4.20E-01	1.60E-04	2.32E-06	9.39E-05	1.36E-06	6.58E-05	9.55E-07
359.806	4249.729	3.24E-02	4.20E-01	1.60E-04	2.17E-06	9.39E-05	1.28E-06	6.58E-05	8.95E-07
359.818	4249.667	3.47E-02	4.20E-01	1.60E-04	2.33E-06	9.39E-05	1.37E-06	6.58E-05	9.59E-07
359.827	4249.617	3.63E-02	4.20E-01	1.60E-04	2.44E-06	9.39E-05	1.43E-06	6.58E-05	1.00E-06
359.836	4249.56	3.81E-02	4.20E-01	1.60E-04	2.55E-06	9.39E-05	1.50E-06	6.58E-05	1.05E-06
359.849	4249.506	4.00E-02	4.20E-01	1.60E-04	2.68E-06	9.39E-05	1.58E-06	6.58E-05	1.10E-06
359.888	4249.439	4.46E-02	4.20E-01	1.60E-04	2.99E-06	9.39E-05	1.76E-06	6.58E-05	1.23E-06
359.939	4249.397	5.04E-02	4.20E-01	1.60E-04	3.38E-06	9.39E-05	1.99E-06	6.58E-05	1.39E-06
359.984	4249.373	5.49E-02	4.20E-01	1.60E-04	3.68E-06	9.39E-05	2.17E-06	6.58E-05	1.52E-06
360.032	4249.325	6.24E-02	4.20E-01	1.60E-04	4.18E-06	9.39E-05	2.46E-06	6.58E-05	1.72E-06
360.068	4249.275	6.78E-02	4.20E-01	1.60E-04	4.54E-06	9.39E-05	2.67E-06	6.58E-05	1.87E-06
360.088	4249.225	7.33E-02	4.20E-01	1.60E-04	4.91E-06	9.39E-05	2.89E-06	6.58E-05	2.02E-06
360.06	4249.18	7.46E-02	4.20E-01	1.60E-04	5.01E-06	9.39E-05	2.94E-06	6.58E-05	2.06E-06
360.115	4249.143	8.30E-02	4.20E-01	1.60E-04	5.57E-06	9.39E-05	3.27E-06	6.58E-05	2.29E-06
360.171	4249.034	1.09E-01	4.20E-01	1.60E-04	7.28E-06	9.39E-05	4.28E-06	6.58E-05	3.00E-06
360.171	4249.149	8.62E-02	4.20E-01	1.60E-04	5.78E-06	9.39E-05	3.40E-06	6.58E-05	2.38E-06
360.198	4249.204	8.06E-02	4.20E-01	1.60E-04	5.41E-06	9.39E-05	3.18E-06	6.58E-05	2.23E-06
360.2	4249.26	7.50E-02	4.20E-01	1.60E-04	5.03E-06	9.39E-05	2.96E-06	6.58E-05	2.07E-06
360.199	4249.312	7.02E-02	4.20E-01	1.60E-04	4.71E-06	9.39E-05	2.77E-06	6.58E-05	1.94E-06
360.195	4249.375	6.41E-02	4.20E-01	1.60E-04	4.30E-06	9.39E-05	2.53E-06	6.58E-05	1.77E-06
360.191	4249.427	5.92E-02	4.20E-01	1.60E-04	3.97E-06	9.39E-05	2.34E-06	6.58E-05	1.64E-06
360.189	4249.503	5.39E-02	4.20E-01	1.60E-04	3.62E-06	9.39E-05	2.13E-06	6.58E-05	1.49E-06
360.186	4249.569	5.04E-02	4.20E-01	1.60E-04	3.38E-06	9.39E-05	1.99E-06	6.58E-05	1.39E-06
360.178	4249.644	4.74E-02	4.20E-01	1.60E-04	3.18E-06	9.39E-05	1.87E-06	6.58E-05	1.31E-06
360.178	4249.719	4.41E-02	4.20E-01	1.60E-04	2.96E-06	9.39E-05	1.74E-06	6.58E-05	1.22E-06
360.186	4249.823	3.98E-02	4.20E-01	1.60E-04	2.67E-06	9.39E-05	1.57E-06	6.58E-05	1.10E-06
360.188	4249.929	3.54E-02	4.20E-01	1.60E-04	2.38E-06	9.39E-05	1.40E-06	6.58E-05	9.78E-07
360.18	4250.032	3.30E-02	4.20E-01	1.60E-04	2.22E-06	9.39E-05	1.30E-06	6.58E-05	9.12E-07
360.091	4250.02	3.18E-02	4.20E-01	1.60E-04	2.13E-06	9.39E-05	1.25E-06	6.58E-05	8.78E-07
360.003	4250.007	3.02E-02	4.20E-01	1.60E-04	2.03E-06	9.39E-05	1.19E-06	6.58E-05	8.34E-07
359.914	4249.995	2.87E-02	4.20E-01	1.60E-04	1.92E-06	9.39E-05	1.13E-06	6.58E-05	7.92E-07
360.269	4249.127	8.96E-02	4.20E-01	1.60E-04	6.01E-06	9.39E-05	3.53E-06	6.58E-05	2.47E-06
360.334	4249.128	8.83E-02	4.20E-01	1.60E-04	5.92E-06	9.39E-05	3.48E-06	6.58E-05	2.44E-06
360.403	4249.137	8.48E-02	4.20E-01	1.60E-04	5.69E-06	9.39E-05	3.34E-06	6.58E-05	2.34E-06
360.498	4249.157	7.85E-02	4.20E-01	1.60E-04	5.27E-06	9.39E-05	3.10E-06	6.58E-05	2.17E-06
360.592	4249.185	7.25E-02	4.20E-01	1.60E-04	4.86E-06	9.39E-05	2.86E-06	6.58E-05	2.00E-06
360.678	4249.21	6.41E-02	4.20E-01	1.60E-04	4.30E-06	9.39E-05	2.53E-06	6.58E-05	1.77E-06
360.632	4249.294	6.36E-02	4.20E-01	1.60E-04	4.27E-06	9.39E-05	2.51E-06	6.58E-05	1.76E-06
360.585	4249.378	6.19E-02	4.20E-01	1.60E-04	4.15E-06	9.39E-05	2.44E-06	6.58E-05	1.71E-06
360.538	4249.462	5.91E-02	4.20E-01	1.60E-04	3.96E-06	9.39E-05	2.33E-06	6.58E-05	1.63E-06
360.491	4249.545	5.62E-02	4.20E-01	1.60E-04	3.77E-06	9.39E-05	2.22E-06	6.58E-05	1.55E-06
360.444	4249.629	5.24E-02	4.20E-01	1.60E-04	3.52E-06	9.39E-05	2.07E-06	6.58E-05	1.45E-06
360.397	4249.713	4.86E-02	4.20E-01	1.60E-04	3.26E-06	9.39E-05	1.92E-06	6.58E-05	1.34E-06
360.35	4249.797	4.40E-02	4.20E-01	1.60E-04	2.95E-06	9.39E-05	1.74E-06	6.58E-05	1.22E-06
360.277	4249.8	4.21E-02	4.20E-01	1.60E-04	2.83E-06	9.39E-05	1.66E-06	6.58E-05	1.16E-06
360.233	4249.168	8.52E-02	4.20E-01	1.60E-04	5.72E-06	9.39E-05	3.36E-06	6.58E-05	2.35E-06
360.049	4248.941	1.12E-01	4.20E-01	1.60E-04	7.50E-06	9.39E-05	4.41E-06	6.58E-05	3.09E-06
359.958	4248.92	8.16E-02	4.20E-01	1.60E-04	5.47E-06	9.39E-05	3.22E-06	6.58E-05	2.25E-06
359.868	4248.894	7.34E-02	4.20E-01	1.60E-04	4.92E-06	9.39E-05	2.90E-06	6.58E-05	2.03E-06
359.743	4248.646	7.68E-02	4.20E-01	1.60E-04	5.15E-06	9.39E-05	3.03E-06	6.58E-05	2.12E-06
359.749	4248.592	7.55E-02	4.20E-01	1.60E-04	5.06E-06	9.39E-05	2.98E-06	6.58E-05	2.09E-06
359.754	4248.513	6.48E-02	4.20E-01	1.60E-04	4.35E-06	9.39E-05	2.56E-06	6.58E-05	1.79E-06
359.751	4248.443	6.26E-02	4.20E-01	1.60E-04	4.20E-06	9.39E-05	2.47E-06	6.58E-05	1.73E-06
359.839	4248.354	8.76E-02	4.20E-01	1.60E-04	5.88E-06	9.39E-05	3.46E-06	6.58E-05	2.42E-06
359.934	4248.308	1.49E-01	4.20E-01	1.60E-04	1.00E-05	9.39E-05	5.89E-06	6.58E-05	4.12E-06
360.03	4248.262	3.14E-01	4.20E-01	1.60E-04	2.11E-05	9.39E-05	1.24E-05	6.58E-05	8.67E-06
360.23	4248.121	9.72E-01	4.20E-01	1.60E-04	6.52E-05	9.39E-05	3.83E-05	6.58E-05	2.68E-05
360.196	4248.694	2.64E-01	4.20E-01	1.60E-04	1.77E-05	9.39E-05	1.04E-05	6.58E-05	7.28E-06
360.188	4248.787	1.88E-01	4.20E-01	1.60E-04	1.26E-05	9.39E-05	7.40E-06	6.58E-05	5.18E-06
360.186	4248.85	1.58E-01	4.20E-01	1.60E-04	1.06E-05	9.39E-05	6.22E-06	6.58E-05	4.35E-06
360.187	4248.927	1.35E-01	4.20E-01	1.60E-04	9.09E-06	9.39E-05	5.34E-06	6.58E-05	3.74E-06
360.728	4248.992	6.45E-02	4.20E-01	1.60E-04	4.33E-06	9.39E-05	2.54E-06	6.58E-05	1.78E-06
360.4	4248.912	1.15E-01	4.20E-01	1.60E-04	7.74E-06	9.39E-05	4.55E-06	6.58E-05	3.19E-06
360.341	4248.904	1.26E-01	4.20E-01	1.60E-04	8.43E-06	9.39E-05	4.96E-06	6.58E-05	3.47E-06
360.253	4248.902	1.36E-01	4.20E-01	1.60E-04	9.13E-06	9.39E-05	5.37E-06	6.58E-05	3.76E-06
360.239	4248.398	1.22E+00	4.20E-01	1.60E-04	8.18E-05	9.39E-05	4.81E-05	6.58E-05	3.37E-05
360.289	4248.002	3.02E-01	4.20E-01	1.60E-04	2.03E-05	9.39E-05	1.19E-05	6.58E-05	8.34E-06
360.302	4247.704	6.04E-02	4.20E-01	1.60E-04	4.05E-06	9.39E-05	2.38E-06	6.58E-05	1.67E-06
360.305	4247.6	4.75E-02	4.20E-01	1.60E-04	3.18E-06	9.39E-05	1.87E-06	6.58E-05	1.31E-06
360.302	4247.5	3.80E-02	4.20E-01	1.60E-04	2.55E-06	9.39E-05	1.50E-06	6.58E-05	1.05E-06
360.301	4247.402	3.07E-02	4.20E-01	1.60E-04	2.06E-06	9.39E-05	1.21E-06	6.58E-05	8.48E-07
360.293	4247.104	2.21E-02	4.20E-01	1.60E-04	1.48E-06	9.39E-05	8.73E-07	6.58E-05	6.11E-07
360.296	4246.694	1.44E-02	4.20E-01	1.60E-04	9.68E-07	9.39E-05	5.69E-07	6.58E-05	3.99E-07
360.295	4246.592	1.32E-02	4.20E-01	1.60E-04	8.83E-07	9.39E-05	5.19E-07	6.58E-05	3.64E-07
360.298	4246.497	1.19E-02	4.20E-01	1.60E-04	8.00E-07	9.39E-05	4.70E-07	6.58E-05	3.29E-07
360.3	4246.446	1.15E-02	4.20E-01	1.60E-04	7.69E-07	9.39E-05	4.52E-07	6.58E-05	3.17E-07
360.299	4246.33	1.07E-02	4.20E-01	1.60E-04	7.19E-07	9.39E-05	4.23E-07	6.58E-05	2.96E-07

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
ACRYLIC ACID - TASK 3 - REASONABLE MAXIMUM EXPOSURE

RECEPTOR (x,y) km		CONCENTRATION (ug/m3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	4.53E-04	2.86E-04	2.74E-04	4.34E-04	7.67E-04	1.22E-03
359.84	4249.884	4.66E-04	2.86E-04	2.74E-04	4.47E-04	7.67E-04	1.25E-03
359.86	4249.794	4.97E-04	2.86E-04	2.74E-04	4.76E-04	7.67E-04	1.33E-03
359.875	4249.736	5.17E-04	2.86E-04	2.74E-04	4.95E-04	7.67E-04	1.39E-03
359.806	4249.729	4.88E-04	2.86E-04	2.74E-04	4.68E-04	7.67E-04	1.31E-03
359.818	4249.667	5.10E-04	2.86E-04	2.74E-04	4.89E-04	7.67E-04	1.37E-03
359.827	4249.617	5.28E-04	2.86E-04	2.74E-04	5.06E-04	7.67E-04	1.42E-03
359.836	4249.56	5.48E-04	2.86E-04	2.74E-04	5.25E-04	7.67E-04	1.47E-03
359.849	4249.506	5.71E-04	2.86E-04	2.74E-04	5.48E-04	7.67E-04	1.53E-03
359.888	4249.439	6.21E-04	2.86E-04	2.74E-04	5.95E-04	7.67E-04	1.66E-03
359.939	4249.397	6.74E-04	2.86E-04	2.74E-04	6.46E-04	7.67E-04	1.81E-03
359.984	4249.373	7.10E-04	2.86E-04	2.74E-04	6.80E-04	7.67E-04	1.90E-03
360.032	4249.325	7.64E-04	2.86E-04	2.74E-04	7.32E-04	7.67E-04	2.05E-03
360.068	4249.275	8.04E-04	2.86E-04	2.74E-04	7.70E-04	7.67E-04	2.15E-03
360.088	4249.225	8.40E-04	2.86E-04	2.74E-04	8.05E-04	7.67E-04	2.25E-03
360.06	4249.18	8.64E-04	2.86E-04	2.74E-04	8.28E-04	7.67E-04	2.32E-03
360.115	4249.143	8.90E-04	2.86E-04	2.74E-04	8.53E-04	7.67E-04	2.39E-03
360.171	4249.034	9.82E-04	2.86E-04	2.74E-04	9.41E-04	7.67E-04	2.63E-03
360.171	4249.149	8.87E-04	2.86E-04	2.74E-04	8.49E-04	7.67E-04	2.38E-03
360.198	4249.204	8.45E-04	2.86E-04	2.74E-04	8.10E-04	7.67E-04	2.27E-03
360.2	4249.26	8.11E-04	2.86E-04	2.74E-04	7.77E-04	7.67E-04	2.17E-03
360.199	4249.312	7.82E-04	2.86E-04	2.74E-04	7.49E-04	7.67E-04	2.10E-03
360.195	4249.375	7.45E-04	2.86E-04	2.74E-04	7.14E-04	7.67E-04	2.00E-03
360.191	4249.427	7.17E-04	2.86E-04	2.74E-04	6.87E-04	7.67E-04	1.92E-03
360.189	4249.503	6.83E-04	2.86E-04	2.74E-04	6.54E-04	7.67E-04	1.83E-03
360.186	4249.569	6.56E-04	2.86E-04	2.74E-04	6.29E-04	7.67E-04	1.76E-03
360.178	4249.644	6.29E-04	2.86E-04	2.74E-04	6.02E-04	7.67E-04	1.69E-03
360.178	4249.719	5.98E-04	2.86E-04	2.74E-04	5.73E-04	7.67E-04	1.60E-03
360.186	4249.823	5.58E-04	2.86E-04	2.74E-04	5.34E-04	7.67E-04	1.50E-03
360.188	4249.929	5.17E-04	2.86E-04	2.74E-04	4.95E-04	7.67E-04	1.39E-03
360.18	4250.032	4.94E-04	2.86E-04	2.74E-04	4.74E-04	7.67E-04	1.33E-03
360.091	4250.02	4.92E-04	2.86E-04	2.74E-04	4.72E-04	7.67E-04	1.32E-03
360.003	4250.007	4.86E-04	2.86E-04	2.74E-04	4.66E-04	7.67E-04	1.30E-03
359.914	4249.995	4.73E-04	2.86E-04	2.74E-04	4.53E-04	7.67E-04	1.27E-03
360.269	4249.127	8.76E-04	2.86E-04	2.74E-04	8.39E-04	7.67E-04	2.35E-03
360.334	4249.128	8.86E-04	2.86E-04	2.74E-04	8.49E-04	7.67E-04	2.38E-03
360.403	4249.137	9.41E-04	2.86E-04	2.74E-04	9.02E-04	7.67E-04	2.52E-03
360.498	4249.157	1.11E-03	2.86E-04	2.74E-04	1.06E-03	7.67E-04	2.97E-03
360.592	4249.185	1.32E-03	2.86E-04	2.74E-04	1.27E-03	7.67E-04	3.55E-03
360.678	4249.21	1.50E-03	2.86E-04	2.74E-04	1.44E-03	7.67E-04	4.02E-03
360.632	4249.294	1.29E-03	2.86E-04	2.74E-04	1.24E-03	7.67E-04	3.46E-03
360.585	4249.378	1.11E-03	2.86E-04	2.74E-04	1.06E-03	7.67E-04	2.97E-03
360.538	4249.462	9.68E-04	2.86E-04	2.74E-04	9.27E-04	7.67E-04	2.60E-03
360.491	4249.545	8.69E-04	2.86E-04	2.74E-04	8.32E-04	7.67E-04	2.33E-03
360.444	4249.629	7.82E-04	2.86E-04	2.74E-04	7.49E-04	7.67E-04	2.10E-03
360.397	4249.713	7.06E-04	2.86E-04	2.74E-04	6.76E-04	7.67E-04	1.89E-03
360.35	4249.797	6.31E-04	2.86E-04	2.74E-04	6.04E-04	7.67E-04	1.69E-03
360.277	4249.8	5.92E-04	2.86E-04	2.74E-04	5.67E-04	7.67E-04	1.59E-03
360.233	4249.168	8.62E-04	2.86E-04	2.74E-04	8.26E-04	7.67E-04	2.31E-03
360.049	4248.941	9.61E-04	2.86E-04	2.74E-04	9.21E-04	7.67E-04	2.58E-03
359.958	4248.92	8.10E-04	2.86E-04	2.74E-04	7.76E-04	7.67E-04	2.17E-03
359.868	4248.894	7.17E-04	2.86E-04	2.74E-04	6.87E-04	7.67E-04	1.92E-03
359.743	4248.646	4.63E-04	2.86E-04	2.74E-04	4.43E-04	7.67E-04	1.24E-03
359.749	4248.592	4.36E-04	2.86E-04	2.74E-04	4.17E-04	7.67E-04	1.17E-03
359.754	4248.513	3.90E-04	2.86E-04	2.74E-04	3.74E-04	7.67E-04	1.05E-03
359.751	4248.443	3.57E-04	2.86E-04	2.74E-04	3.42E-04	7.67E-04	9.57E-04
359.839	4248.354	3.32E-04	2.86E-04	2.74E-04	3.18E-04	7.67E-04	8.90E-04
359.934	4248.308	3.40E-04	2.86E-04	2.74E-04	3.26E-04	7.67E-04	9.12E-04
360.03	4248.262	3.43E-04	2.86E-04	2.74E-04	3.28E-04	7.67E-04	9.19E-04
360.23	4248.121	3.25E-04	2.86E-04	2.74E-04	3.12E-04	7.67E-04	8.73E-04
360.196	4248.694	9.95E-04	2.86E-04	2.74E-04	9.53E-04	7.67E-04	2.67E-03
360.188	4248.787	1.04E-03	2.86E-04	2.74E-04	9.94E-04	7.67E-04	2.78E-03
360.186	4248.85	1.04E-03	2.86E-04	2.74E-04	9.98E-04	7.67E-04	2.79E-03
360.187	4248.927	1.03E-03	2.86E-04	2.74E-04	9.88E-04	7.67E-04	2.77E-03
360.728	4248.992	1.87E-03	2.86E-04	2.74E-04	1.80E-03	7.67E-04	5.03E-03
360.4	4248.912	1.06E-03	2.86E-04	2.74E-04	1.02E-03	7.67E-04	2.85E-03
360.341	4248.904	1.03E-03	2.86E-04	2.74E-04	9.83E-04	7.67E-04	2.75E-03
360.253	4248.902	1.03E-03	2.86E-04	2.74E-04	9.84E-04	7.67E-04	2.76E-03
360.239	4248.398	6.66E-04	2.86E-04	2.74E-04	6.38E-04	7.67E-04	1.79E-03
360.289	4248.002	2.73E-04	2.86E-04	2.74E-04	2.62E-04	7.67E-04	7.32E-04
360.302	4247.704	2.62E-04	2.86E-04	2.74E-04	2.51E-04	7.67E-04	7.04E-04
360.305	4247.6	3.93E-04	2.86E-04	2.74E-04	3.76E-04	7.67E-04	1.05E-03

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
ANTIMONY- TASK 3

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	1.80E-02	4.00E-04	2.74E-04	1.23E-02	7.67E-04	3.44E-02
359.84	4249.884	1.92E-02	4.00E-04	2.74E-04	1.31E-02	7.67E-04	3.67E-02
359.86	4249.794	2.17E-02	4.00E-04	2.74E-04	1.49E-02	7.67E-04	4.16E-02
359.875	4249.736	2.36E-02	4.00E-04	2.74E-04	1.61E-02	7.67E-04	4.52E-02
359.806	4249.729	2.20E-02	4.00E-04	2.74E-04	1.51E-02	7.67E-04	4.22E-02
359.818	4249.667	2.39E-02	4.00E-04	2.74E-04	1.64E-02	7.67E-04	4.59E-02
359.827	4249.617	2.53E-02	4.00E-04	2.74E-04	1.73E-02	7.67E-04	4.85E-02
359.836	4249.56	2.68E-02	4.00E-04	2.74E-04	1.83E-02	7.67E-04	5.13E-02
359.849	4249.506	2.83E-02	4.00E-04	2.74E-04	1.94E-02	7.67E-04	5.43E-02
359.888	4249.439	3.21E-02	4.00E-04	2.74E-04	2.20E-02	7.67E-04	6.15E-02
359.939	4249.397	3.67E-02	4.00E-04	2.74E-04	2.52E-02	7.67E-04	7.04E-02
359.984	4249.373	4.02E-02	4.00E-04	2.74E-04	2.75E-02	7.67E-04	7.71E-02
360.032	4249.325	4.62E-02	4.00E-04	2.74E-04	3.16E-02	7.67E-04	8.86E-02
360.068	4249.275	5.07E-02	4.00E-04	2.74E-04	3.47E-02	7.67E-04	9.71E-02
360.088	4249.225	5.56E-02	4.00E-04	2.74E-04	3.81E-02	7.67E-04	1.07E-01
360.06	4249.18	5.77E-02	4.00E-04	2.74E-04	3.95E-02	7.67E-04	1.11E-01
360.115	4249.143	6.47E-02	4.00E-04	2.74E-04	4.43E-02	7.67E-04	1.24E-01
360.171	4249.034	8.66E-02	4.00E-04	2.74E-04	5.93E-02	7.67E-04	1.66E-01
360.171	4249.149	6.55E-02	4.00E-04	2.74E-04	4.49E-02	7.67E-04	1.26E-01
360.198	4249.204	5.90E-02	4.00E-04	2.74E-04	4.04E-02	7.67E-04	1.13E-01
360.2	4249.26	5.37E-02	4.00E-04	2.74E-04	3.68E-02	7.67E-04	1.03E-01
360.199	4249.312	4.94E-02	4.00E-04	2.74E-04	3.38E-02	7.67E-04	9.47E-02
360.195	4249.375	4.43E-02	4.00E-04	2.74E-04	3.04E-02	7.67E-04	8.50E-02
360.191	4249.427	4.05E-02	4.00E-04	2.74E-04	2.77E-02	7.67E-04	7.76E-02
360.189	4249.503	3.62E-02	4.00E-04	2.74E-04	2.48E-02	7.67E-04	6.93E-02
360.186	4249.569	3.33E-02	4.00E-04	2.74E-04	2.28E-02	7.67E-04	6.39E-02
360.178	4249.644	3.10E-02	4.00E-04	2.74E-04	2.12E-02	7.67E-04	5.94E-02
360.178	4249.719	2.83E-02	4.00E-04	2.74E-04	1.94E-02	7.67E-04	5.43E-02
360.186	4249.823	2.48E-02	4.00E-04	2.74E-04	1.70E-02	7.67E-04	4.76E-02
360.188	4249.929	2.16E-02	4.00E-04	2.74E-04	1.48E-02	7.67E-04	4.14E-02
360.18	4250.032	1.98E-02	4.00E-04	2.74E-04	1.35E-02	7.67E-04	3.79E-02
360.091	4250.02	1.94E-02	4.00E-04	2.74E-04	1.33E-02	7.67E-04	3.71E-02
360.003	4250.007	1.90E-02	4.00E-04	2.74E-04	1.30E-02	7.67E-04	3.64E-02
359.914	4249.995	1.83E-02	4.00E-04	2.74E-04	1.25E-02	7.67E-04	3.50E-02
360.269	4249.127	6.52E-02	4.00E-04	2.74E-04	4.47E-02	7.67E-04	1.25E-01
360.334	4249.128	6.18E-02	4.00E-04	2.74E-04	4.24E-02	7.67E-04	1.19E-01
360.403	4249.137	5.65E-02	4.00E-04	2.74E-04	3.87E-02	7.67E-04	1.08E-01
360.498	4249.157	4.87E-02	4.00E-04	2.74E-04	3.33E-02	7.67E-04	9.33E-02
360.592	4249.185	4.15E-02	4.00E-04	2.74E-04	2.84E-02	7.67E-04	7.96E-02
360.678	4249.21	3.44E-02	4.00E-04	2.74E-04	2.36E-02	7.67E-04	6.60E-02
360.632	4249.294	3.54E-02	4.00E-04	2.74E-04	2.42E-02	7.67E-04	6.79E-02
360.585	4249.378	3.52E-02	4.00E-04	2.74E-04	2.41E-02	7.67E-04	6.75E-02
360.538	4249.462	3.42E-02	4.00E-04	2.74E-04	2.35E-02	7.67E-04	6.57E-02
360.491	4249.545	3.32E-02	4.00E-04	2.74E-04	2.27E-02	7.67E-04	6.36E-02
360.444	4249.629	3.15E-02	4.00E-04	2.74E-04	2.16E-02	7.67E-04	6.04E-02
360.397	4249.713	2.96E-02	4.00E-04	2.74E-04	2.03E-02	7.67E-04	5.67E-02
360.35	4249.797	2.70E-02	4.00E-04	2.74E-04	1.85E-02	7.67E-04	5.18E-02
360.277	4249.8	2.61E-02	4.00E-04	2.74E-04	1.79E-02	7.67E-04	5.00E-02
360.233	4249.168	6.21E-02	4.00E-04	2.74E-04	4.26E-02	7.67E-04	1.19E-01
360.049	4248.941	9.31E-02	4.00E-04	2.74E-04	6.38E-02	7.67E-04	1.79E-01
359.958	4248.92	6.57E-02	4.00E-04	2.74E-04	4.50E-02	7.67E-04	1.26E-01
359.868	4248.894	5.86E-02	4.00E-04	2.74E-04	4.02E-02	7.67E-04	1.12E-01
359.743	4248.646	6.42E-02	4.00E-04	2.74E-04	4.40E-02	7.67E-04	1.23E-01
359.749	4248.592	6.36E-02	4.00E-04	2.74E-04	4.36E-02	7.67E-04	1.22E-01
359.754	4248.513	5.51E-02	4.00E-04	2.74E-04	3.78E-02	7.67E-04	1.06E-01
359.751	4248.443	5.34E-02	4.00E-04	2.74E-04	3.66E-02	7.67E-04	1.02E-01
359.839	4248.354	7.84E-02	4.00E-04	2.74E-04	5.37E-02	7.67E-04	1.50E-01
359.934	4248.308	1.40E-01	4.00E-04	2.74E-04	9.56E-02	7.67E-04	2.68E-01
360.03	4248.262	3.00E-01	4.00E-04	2.74E-04	2.06E-01	7.67E-04	5.76E-01
360.23	4248.121	9.32E-01	4.00E-04	2.74E-04	6.39E-01	7.67E-04	1.79E+00
360.196	4248.694	2.37E-01	4.00E-04	2.74E-04	1.62E-01	7.67E-04	4.54E-01
360.188	4248.787	1.64E-01	4.00E-04	2.74E-04	1.12E-01	7.67E-04	3.14E-01
360.186	4248.85	1.35E-01	4.00E-04	2.74E-04	9.21E-02	7.67E-04	2.58E-01
360.187	4248.927	1.12E-01	4.00E-04	2.74E-04	7.70E-02	7.67E-04	2.15E-01
360.728	4248.992	3.62E-02	4.00E-04	2.74E-04	2.48E-02	7.67E-04	6.94E-02
360.4	4248.912	8.59E-02	4.00E-04	2.74E-04	5.88E-02	7.67E-04	1.65E-01
360.341	4248.904	9.78E-02	4.00E-04	2.74E-04	6.70E-02	7.67E-04	1.88E-01
360.253	4248.902	1.11E-01	4.00E-04	2.74E-04	7.59E-02	7.67E-04	2.13E-01
360.239	4248.398	1.17E+00	4.00E-04	2.74E-04	8.00E-01	7.67E-04	2.24E+00
360.289	4248.002	2.83E-01	4.00E-04	2.74E-04	1.94E-01	7.67E-04	5.42E-01
360.302	4247.704	4.95E-02	4.00E-04	2.74E-04	3.39E-02	7.67E-04	9.49E-02
360.305	4247.6	3.74E-02	4.00E-04	2.74E-04	2.56E-02	7.67E-04	7.17E-02

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
ARSENIC - TASK 3

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	9.45E-04	3.00E-04	2.74E-04	8.64E-04	7.67E-04	2.42E-03
359.84	4249.884	9.90E-04	3.00E-04	2.74E-04	9.04E-04	7.67E-04	2.53E-03
359.86	4249.794	1.09E-03	3.00E-04	2.74E-04	9.97E-04	7.67E-04	2.79E-03
359.875	4249.736	1.16E-03	3.00E-04	2.74E-04	1.06E-03	7.67E-04	2.97E-03
359.806	4249.729	1.09E-03	3.00E-04	2.74E-04	1.00E-03	7.67E-04	2.80E-03
359.818	4249.667	1.17E-03	3.00E-04	2.74E-04	1.07E-03	7.67E-04	2.98E-03
359.827	4249.617	1.22E-03	3.00E-04	2.74E-04	1.11E-03	7.67E-04	3.11E-03
359.836	4249.56	1.27E-03	3.00E-04	2.74E-04	1.16E-03	7.67E-04	3.25E-03
359.849	4249.506	1.33E-03	3.00E-04	2.74E-04	1.22E-03	7.67E-04	3.41E-03
359.888	4249.439	1.48E-03	3.00E-04	2.74E-04	1.35E-03	7.67E-04	3.79E-03
359.939	4249.397	1.66E-03	3.00E-04	2.74E-04	1.52E-03	7.67E-04	4.25E-03
359.984	4249.373	1.80E-03	3.00E-04	2.74E-04	1.65E-03	7.67E-04	4.61E-03
360.032	4249.325	2.03E-03	3.00E-04	2.74E-04	1.86E-03	7.67E-04	5.20E-03
360.068	4249.275	2.20E-03	3.00E-04	2.74E-04	2.01E-03	7.67E-04	5.62E-03
360.088	4249.225	2.35E-03	3.00E-04	2.74E-04	2.15E-03	7.67E-04	6.01E-03
360.06	4249.18	2.37E-03	3.00E-04	2.74E-04	2.16E-03	7.67E-04	6.06E-03
360.115	4249.143	2.60E-03	3.00E-04	2.74E-04	2.37E-03	7.67E-04	6.64E-03
360.171	4249.034	3.29E-03	3.00E-04	2.74E-04	3.00E-03	7.67E-04	8.40E-03
360.171	4249.149	2.72E-03	3.00E-04	2.74E-04	2.48E-03	7.67E-04	6.95E-03
360.198	4249.204	2.59E-03	3.00E-04	2.74E-04	2.37E-03	7.67E-04	6.63E-03
360.2	4249.26	2.45E-03	3.00E-04	2.74E-04	2.23E-03	7.67E-04	6.25E-03
360.199	4249.312	2.31E-03	3.00E-04	2.74E-04	2.11E-03	7.67E-04	5.91E-03
360.195	4249.375	2.13E-03	3.00E-04	2.74E-04	1.95E-03	7.67E-04	5.45E-03
360.191	4249.427	1.99E-03	3.00E-04	2.74E-04	1.81E-03	7.67E-04	5.08E-03
360.189	4249.503	1.83E-03	3.00E-04	2.74E-04	1.67E-03	7.67E-04	4.68E-03
360.186	4249.569	1.72E-03	3.00E-04	2.74E-04	1.57E-03	7.67E-04	4.40E-03
360.178	4249.644	1.63E-03	3.00E-04	2.74E-04	1.48E-03	7.67E-04	4.15E-03
360.178	4249.719	1.52E-03	3.00E-04	2.74E-04	1.39E-03	7.67E-04	3.89E-03
360.186	4249.823	1.38E-03	3.00E-04	2.74E-04	1.26E-03	7.67E-04	3.53E-03
360.188	4249.929	1.24E-03	3.00E-04	2.74E-04	1.13E-03	7.67E-04	3.17E-03
360.18	4250.032	1.16E-03	3.00E-04	2.74E-04	1.06E-03	7.67E-04	2.97E-03
360.091	4250.02	1.13E-03	3.00E-04	2.74E-04	1.03E-03	7.67E-04	2.88E-03
360.003	4250.007	1.06E-03	3.00E-04	2.74E-04	9.69E-04	7.67E-04	2.71E-03
359.914	4249.995	9.91E-04	3.00E-04	2.74E-04	9.05E-04	7.67E-04	2.53E-03
360.269	4249.127	2.86E-03	3.00E-04	2.74E-04	2.61E-03	7.67E-04	7.32E-03
360.334	4249.128	2.88E-03	3.00E-04	2.74E-04	2.63E-03	7.67E-04	7.35E-03
360.403	4249.137	2.81E-03	3.00E-04	2.74E-04	2.57E-03	7.67E-04	7.20E-03
360.498	4249.157	2.66E-03	3.00E-04	2.74E-04	2.43E-03	7.67E-04	6.80E-03
360.592	4249.185	2.48E-03	3.00E-04	2.74E-04	2.26E-03	7.67E-04	6.34E-03
360.678	4249.21	2.21E-03	3.00E-04	2.74E-04	2.02E-03	7.67E-04	5.65E-03
360.632	4249.294	2.19E-03	3.00E-04	2.74E-04	2.00E-03	7.67E-04	5.60E-03
360.585	4249.378	2.13E-03	3.00E-04	2.74E-04	1.94E-03	7.67E-04	5.44E-03
360.538	4249.462	2.02E-03	3.00E-04	2.74E-04	1.85E-03	7.67E-04	5.16E-03
360.491	4249.545	1.92E-03	3.00E-04	2.74E-04	1.75E-03	7.67E-04	4.90E-03
360.444	4249.629	1.79E-03	3.00E-04	2.74E-04	1.63E-03	7.67E-04	4.56E-03
360.397	4249.713	1.66E-03	3.00E-04	2.74E-04	1.52E-03	7.67E-04	4.24E-03
360.35	4249.797	1.51E-03	3.00E-04	2.74E-04	1.38E-03	7.67E-04	3.86E-03
360.277	4249.8	1.46E-03	3.00E-04	2.74E-04	1.33E-03	7.67E-04	3.72E-03
360.233	4249.168	2.73E-03	3.00E-04	2.74E-04	2.50E-03	7.67E-04	6.99E-03
360.049	4248.941	3.29E-03	3.00E-04	2.74E-04	3.00E-03	7.67E-04	8.40E-03
359.958	4248.92	2.46E-03	3.00E-04	2.74E-04	2.24E-03	7.67E-04	6.28E-03
359.868	4248.894	2.23E-03	3.00E-04	2.74E-04	2.04E-03	7.67E-04	5.70E-03
359.743	4248.646	1.95E-03	3.00E-04	2.74E-04	1.78E-03	7.67E-04	5.00E-03
359.749	4248.592	1.92E-03	3.00E-04	2.74E-04	1.76E-03	7.67E-04	4.92E-03
359.754	4248.513	1.72E-03	3.00E-04	2.74E-04	1.57E-03	7.67E-04	4.39E-03
359.751	4248.443	1.67E-03	3.00E-04	2.74E-04	1.53E-03	7.67E-04	4.28E-03
359.839	4248.354	2.23E-03	3.00E-04	2.74E-04	2.03E-03	7.67E-04	5.69E-03
359.934	4248.308	3.56E-03	3.00E-04	2.74E-04	3.25E-03	7.67E-04	9.10E-03
360.03	4248.262	6.67E-03	3.00E-04	2.74E-04	6.10E-03	7.67E-04	1.71E-02
360.23	4248.121	1.97E-02	3.00E-04	2.74E-04	1.80E-02	7.67E-04	5.03E-02
360.196	4248.694	6.41E-03	3.00E-04	2.74E-04	5.86E-03	7.67E-04	1.64E-02
360.188	4248.787	4.86E-03	3.00E-04	2.74E-04	4.44E-03	7.67E-04	1.24E-02
360.186	4248.85	4.25E-03	3.00E-04	2.74E-04	3.88E-03	7.67E-04	1.09E-02
360.187	4248.927	3.86E-03	3.00E-04	2.74E-04	3.53E-03	7.67E-04	9.87E-03
360.728	4248.992	2.19E-03	3.00E-04	2.74E-04	2.00E-03	7.67E-04	5.60E-03
360.4	4248.912	3.52E-03	3.00E-04	2.74E-04	3.21E-03	7.67E-04	8.99E-03
360.341	4248.904	3.71E-03	3.00E-04	2.74E-04	3.39E-03	7.67E-04	9.50E-03
360.253	4248.902	3.87E-03	3.00E-04	2.74E-04	3.53E-03	7.67E-04	9.89E-03
360.239	4248.398	2.46E-02	3.00E-04	2.74E-04	2.24E-02	7.67E-04	6.28E-02
360.289	4248.002	6.53E-03	3.00E-04	2.74E-04	5.97E-03	7.67E-04	1.67E-02
360.302	4247.704	1.57E-03	3.00E-04	2.74E-04	1.43E-03	7.67E-04	4.01E-03
360.305	4247.6	1.28E-03	3.00E-04	2.74E-04	1.17E-03	7.67E-04	3.26E-03

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
BENZENE - TASK 3

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	5.71E-01	1.70E-03	2.74E-04	9.20E-02	7.67E-04	2.58E-01
359.84	4249.884	6.06E-01	1.70E-03	2.74E-04	9.78E-02	7.67E-04	2.74E-01
359.86	4249.794	6.80E-01	1.70E-03	2.74E-04	1.10E-01	7.67E-04	3.07E-01
359.875	4249.736	7.35E-01	1.70E-03	2.74E-04	1.18E-01	7.67E-04	3.31E-01
359.806	4249.729	6.91E-01	1.70E-03	2.74E-04	1.11E-01	7.67E-04	3.12E-01
359.818	4249.667	7.50E-01	1.70E-03	2.74E-04	1.21E-01	7.67E-04	3.38E-01
359.827	4249.617	8.00E-01	1.70E-03	2.74E-04	1.29E-01	7.67E-04	3.61E-01
359.836	4249.56	8.62E-01	1.70E-03	2.74E-04	1.39E-01	7.67E-04	3.89E-01
359.849	4249.506	9.30E-01	1.70E-03	2.74E-04	1.50E-01	7.67E-04	4.20E-01
359.888	4249.439	1.05E+00	1.70E-03	2.74E-04	1.70E-01	7.67E-04	4.75E-01
359.939	4249.397	1.18E+00	1.70E-03	2.74E-04	1.90E-01	7.67E-04	5.33E-01
359.984	4249.373	1.29E+00	1.70E-03	2.74E-04	2.07E-01	7.67E-04	5.80E-01
360.032	4249.325	1.46E+00	1.70E-03	2.74E-04	2.36E-01	7.67E-04	6.60E-01
360.068	4249.275	1.64E+00	1.70E-03	2.74E-04	2.64E-01	7.67E-04	7.38E-01
360.088	4249.225	1.81E+00	1.70E-03	2.74E-04	2.91E-01	7.67E-04	8.15E-01
360.06	4249.18	1.84E+00	1.70E-03	2.74E-04	2.96E-01	7.67E-04	8.28E-01
360.115	4249.143	2.00E+00	1.70E-03	2.74E-04	3.23E-01	7.67E-04	9.04E-01
360.171	4249.034	2.78E+00	1.70E-03	2.74E-04	4.48E-01	7.67E-04	1.25E+00
360.171	4249.149	2.29E+00	1.70E-03	2.74E-04	3.68E-01	7.67E-04	1.03E+00
360.198	4249.204	2.19E+00	1.70E-03	2.74E-04	3.53E-01	7.67E-04	9.89E-01
360.2	4249.26	2.01E+00	1.70E-03	2.74E-04	3.25E-01	7.67E-04	9.09E-01
360.199	4249.312	1.85E+00	1.70E-03	2.74E-04	2.99E-01	7.67E-04	8.36E-01
360.195	4249.375	1.67E+00	1.70E-03	2.74E-04	2.68E-01	7.67E-04	7.51E-01
360.191	4249.427	1.53E+00	1.70E-03	2.74E-04	2.46E-01	7.67E-04	6.89E-01
360.189	4249.503	1.37E+00	1.70E-03	2.74E-04	2.21E-01	7.67E-04	6.19E-01
360.186	4249.569	1.25E+00	1.70E-03	2.74E-04	2.02E-01	7.67E-04	5.65E-01
360.178	4249.644	1.14E+00	1.70E-03	2.74E-04	1.84E-01	7.67E-04	5.14E-01
360.178	4249.719	1.05E+00	1.70E-03	2.74E-04	1.68E-01	7.67E-04	4.72E-01
360.186	4249.823	9.36E-01	1.70E-03	2.74E-04	1.51E-01	7.67E-04	4.22E-01
360.188	4249.929	8.28E-01	1.70E-03	2.74E-04	1.33E-01	7.67E-04	3.74E-01
360.18	4250.032	7.36E-01	1.70E-03	2.74E-04	1.19E-01	7.67E-04	3.32E-01
360.091	4250.02	6.76E-01	1.70E-03	2.74E-04	1.09E-01	7.67E-04	3.05E-01
360.003	4250.007	6.26E-01	1.70E-03	2.74E-04	1.01E-01	7.67E-04	2.82E-01
359.914	4249.995	5.84E-01	1.70E-03	2.74E-04	9.41E-02	7.67E-04	2.64E-01
360.269	4249.127	2.70E+00	1.70E-03	2.74E-04	4.35E-01	7.67E-04	1.22E+00
360.334	4249.128	2.90E+00	1.70E-03	2.74E-04	4.68E-01	7.67E-04	1.31E+00
360.403	4249.137	3.12E+00	1.70E-03	2.74E-04	5.02E-01	7.67E-04	1.41E+00
360.498	4249.157	3.50E+00	1.70E-03	2.74E-04	5.64E-01	7.67E-04	1.58E+00
360.592	4249.185	3.34E+00	1.70E-03	2.74E-04	5.38E-01	7.67E-04	1.51E+00
360.678	4249.21	2.71E+00	1.70E-03	2.74E-04	4.37E-01	7.67E-04	1.22E+00
360.632	4249.294	2.26E+00	1.70E-03	2.74E-04	3.65E-01	7.67E-04	1.02E+00
360.585	4249.378	1.94E+00	1.70E-03	2.74E-04	3.12E-01	7.67E-04	8.73E-01
360.538	4249.462	1.65E+00	1.70E-03	2.74E-04	2.66E-01	7.67E-04	7.46E-01
360.491	4249.545	1.48E+00	1.70E-03	2.74E-04	2.38E-01	7.67E-04	6.66E-01
360.444	4249.629	1.28E+00	1.70E-03	2.74E-04	2.06E-01	7.67E-04	5.76E-01
360.397	4249.713	1.16E+00	1.70E-03	2.74E-04	1.87E-01	7.67E-04	5.23E-01
360.35	4249.797	1.03E+00	1.70E-03	2.74E-04	1.66E-01	7.67E-04	4.65E-01
360.277	4249.8	1.03E+00	1.70E-03	2.74E-04	1.66E-01	7.67E-04	4.65E-01
360.233	4249.168	2.46E+00	1.70E-03	2.74E-04	3.96E-01	7.67E-04	1.11E+00
360.049	4248.941	2.46E+00	1.70E-03	2.74E-04	3.97E-01	7.67E-04	1.11E+00
359.958	4248.92	2.07E+00	1.70E-03	2.74E-04	3.34E-01	7.67E-04	9.35E-01
359.868	4248.894	1.87E+00	1.70E-03	2.74E-04	3.02E-01	7.67E-04	8.44E-01
359.743	4248.646	1.71E+00	1.70E-03	2.74E-04	2.76E-01	7.67E-04	7.71E-01
359.749	4248.592	1.73E+00	1.70E-03	2.74E-04	2.79E-01	7.67E-04	7.81E-01
359.754	4248.513	1.76E+00	1.70E-03	2.74E-04	2.84E-01	7.67E-04	7.95E-01
359.751	4248.443	1.81E+00	1.70E-03	2.74E-04	2.91E-01	7.67E-04	8.16E-01
359.839	4248.354	2.27E+00	1.70E-03	2.74E-04	3.66E-01	7.67E-04	1.02E+00
359.934	4248.308	2.88E+00	1.70E-03	2.74E-04	4.64E-01	7.67E-04	1.30E+00
360.03	4248.262	3.73E+00	1.70E-03	2.74E-04	6.00E-01	7.67E-04	1.68E+00
360.23	4248.121	9.69E+00	1.70E-03	2.74E-04	1.56E+00	7.67E-04	4.37E+00
360.196	4248.694	4.80E+00	1.70E-03	2.74E-04	7.73E-01	7.67E-04	2.16E+00
360.188	4248.787	4.15E+00	1.70E-03	2.74E-04	6.69E-01	7.67E-04	1.87E+00
360.186	4248.85	3.78E+00	1.70E-03	2.74E-04	6.10E-01	7.67E-04	1.71E+00
360.187	4248.927	3.39E+00	1.70E-03	2.74E-04	5.47E-01	7.67E-04	1.53E+00
360.728	4248.992	4.98E+00	1.70E-03	2.74E-04	8.03E-01	7.67E-04	2.25E+00
360.4	4248.912	6.24E+00	1.70E-03	2.74E-04	1.01E+00	7.67E-04	2.82E+00
360.341	4248.904	5.49E+00	1.70E-03	2.74E-04	8.85E-01	7.67E-04	2.48E+00
360.253	4248.902	4.20E+00	1.70E-03	2.74E-04	6.76E-01	7.67E-04	1.89E+00
360.239	4248.398	6.60E+00	1.70E-03	2.74E-04	1.06E+00	7.67E-04	2.98E+00
360.289	4248.002	1.98E+01	1.70E-03	2.74E-04	3.19E+00	7.67E-04	8.92E+00
360.302	4247.704	2.17E+02	1.70E-03	2.74E-04	3.49E+01	7.67E-04	9.78E+01
360.305	4247.6	1.30E+01	1.70E-03	2.74E-04	2.10E+00	7.67E-04	5.88E+00

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
CARBON TETRACHLORIDE - TASK 3

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	3.55E-02	5.71E-04	2.74E-04	1.71E-02	7.67E-04	4.77E-02
359.84	4249.884	3.89E-02	5.71E-04	2.74E-04	1.87E-02	7.67E-04	5.23E-02
359.86	4249.794	4.58E-02	5.71E-04	2.74E-04	2.20E-02	7.67E-04	6.15E-02
359.875	4249.736	5.11E-02	5.71E-04	2.74E-04	2.45E-02	7.67E-04	6.87E-02
359.806	4249.729	4.63E-02	5.71E-04	2.74E-04	2.22E-02	7.67E-04	6.22E-02
359.818	4249.667	5.16E-02	5.71E-04	2.74E-04	2.48E-02	7.67E-04	6.93E-02
359.827	4249.617	5.65E-02	5.71E-04	2.74E-04	2.71E-02	7.67E-04	7.59E-02
359.836	4249.56	6.25E-02	5.71E-04	2.74E-04	3.00E-02	7.67E-04	8.39E-02
359.849	4249.506	6.93E-02	5.71E-04	2.74E-04	3.33E-02	7.67E-04	9.31E-02
359.888	4249.439	8.23E-02	5.71E-04	2.74E-04	3.95E-02	7.67E-04	1.11E-01
359.939	4249.397	9.73E-02	5.71E-04	2.74E-04	4.67E-02	7.67E-04	1.31E-01
359.984	4249.373	1.11E-01	5.71E-04	2.74E-04	5.32E-02	7.67E-04	1.49E-01
360.032	4249.325	1.33E-01	5.71E-04	2.74E-04	6.40E-02	7.67E-04	1.79E-01
360.068	4249.275	1.57E-01	5.71E-04	2.74E-04	7.53E-02	7.67E-04	2.11E-01
360.088	4249.225	1.80E-01	5.71E-04	2.74E-04	8.62E-02	7.67E-04	2.41E-01
360.06	4249.18	1.78E-01	5.71E-04	2.74E-04	8.52E-02	7.67E-04	2.39E-01
360.115	4249.143	2.22E-01	5.71E-04	2.74E-04	1.07E-01	7.67E-04	2.99E-01
360.171	4249.034	3.29E-01	5.71E-04	2.74E-04	1.58E-01	7.67E-04	4.41E-01
360.171	4249.149	2.68E-01	5.71E-04	2.74E-04	1.29E-01	7.67E-04	3.60E-01
360.198	4249.204	2.59E-01	5.71E-04	2.74E-04	1.24E-01	7.67E-04	3.47E-01
360.2	4249.26	2.29E-01	5.71E-04	2.74E-04	1.10E-01	7.67E-04	3.07E-01
360.199	4249.312	2.04E-01	5.71E-04	2.74E-04	9.77E-02	7.67E-04	2.73E-01
360.195	4249.375	1.78E-01	5.71E-04	2.74E-04	8.53E-02	7.67E-04	2.39E-01
360.191	4249.427	1.59E-01	5.71E-04	2.74E-04	7.64E-02	7.67E-04	2.14E-01
360.189	4249.503	1.36E-01	5.71E-04	2.74E-04	6.54E-02	7.67E-04	1.83E-01
360.186	4249.569	1.19E-01	5.71E-04	2.74E-04	5.70E-02	7.67E-04	1.59E-01
360.178	4249.644	1.01E-01	5.71E-04	2.74E-04	4.84E-02	7.67E-04	1.35E-01
360.178	4249.719	8.72E-02	5.71E-04	2.74E-04	4.18E-02	7.67E-04	1.17E-01
360.186	4249.823	7.20E-02	5.71E-04	2.74E-04	3.45E-02	7.67E-04	9.67E-02
360.188	4249.929	5.88E-02	5.71E-04	2.74E-04	2.82E-02	7.67E-04	7.90E-02
360.18	4250.032	4.84E-02	5.71E-04	2.74E-04	2.32E-02	7.67E-04	6.50E-02
360.091	4250.02	4.38E-02	5.71E-04	2.74E-04	2.10E-02	7.67E-04	5.89E-02
360.003	4250.007	4.03E-02	5.71E-04	2.74E-04	1.93E-02	7.67E-04	5.41E-02
359.914	4249.995	3.66E-02	5.71E-04	2.74E-04	1.76E-02	7.67E-04	4.92E-02
360.269	4249.127	4.17E-01	5.71E-04	2.74E-04	2.00E-01	7.67E-04	5.60E-01
360.334	4249.128	5.54E-01	5.71E-04	2.74E-04	2.66E-01	7.67E-04	7.44E-01
360.403	4249.137	7.23E-01	5.71E-04	2.74E-04	3.47E-01	7.67E-04	9.72E-01
360.498	4249.157	9.06E-01	5.71E-04	2.74E-04	4.35E-01	7.67E-04	1.22E+00
360.592	4249.185	7.85E-01	5.71E-04	2.74E-04	3.77E-01	7.67E-04	1.05E+00
360.678	4249.21	5.53E-01	5.71E-04	2.74E-04	2.65E-01	7.67E-04	7.42E-01
360.632	4249.294	4.16E-01	5.71E-04	2.74E-04	2.00E-01	7.67E-04	5.59E-01
360.585	4249.378	3.02E-01	5.71E-04	2.74E-04	1.45E-01	7.67E-04	4.06E-01
360.538	4249.462	2.12E-01	5.71E-04	2.74E-04	1.02E-01	7.67E-04	2.85E-01
360.491	4249.545	1.72E-01	5.71E-04	2.74E-04	8.24E-02	7.67E-04	2.31E-01
360.444	4249.629	1.20E-01	5.71E-04	2.74E-04	5.76E-02	7.67E-04	1.61E-01
360.397	4249.713	1.07E-01	5.71E-04	2.74E-04	5.16E-02	7.67E-04	1.44E-01
360.35	4249.797	8.78E-02	5.71E-04	2.74E-04	4.21E-02	7.67E-04	1.18E-01
360.277	4249.8	8.64E-02	5.71E-04	2.74E-04	4.14E-02	7.67E-04	1.16E-01
360.233	4249.168	3.20E-01	5.71E-04	2.74E-04	1.53E-01	7.67E-04	4.29E-01
360.049	4248.941	1.98E-01	5.71E-04	2.74E-04	9.51E-02	7.67E-04	2.66E-01
359.958	4248.92	1.42E-01	5.71E-04	2.74E-04	6.81E-02	7.67E-04	1.91E-01
359.868	4248.894	1.07E-01	5.71E-04	2.74E-04	5.11E-02	7.67E-04	1.43E-01
359.743	4248.646	6.48E-02	5.71E-04	2.74E-04	3.11E-02	7.67E-04	8.71E-02
359.749	4248.592	6.24E-02	5.71E-04	2.74E-04	2.99E-02	7.67E-04	8.38E-02
359.754	4248.513	5.77E-02	5.71E-04	2.74E-04	2.77E-02	7.67E-04	7.75E-02
359.751	4248.443	5.19E-02	5.71E-04	2.74E-04	2.49E-02	7.67E-04	6.97E-02
359.839	4248.354	5.39E-02	5.71E-04	2.74E-04	2.59E-02	7.67E-04	7.24E-02
359.934	4248.308	5.99E-02	5.71E-04	2.74E-04	2.88E-02	7.67E-04	8.05E-02
360.03	4248.262	6.48E-02	5.71E-04	2.74E-04	3.11E-02	7.67E-04	8.71E-02
360.23	4248.121	5.60E-02	5.71E-04	2.74E-04	2.69E-02	7.67E-04	7.52E-02
360.196	4248.694	3.32E-01	5.71E-04	2.74E-04	1.59E-01	7.67E-04	4.46E-01
360.188	4248.787	3.70E-01	5.71E-04	2.74E-04	1.77E-01	7.67E-04	4.96E-01
360.186	4248.85	3.84E-01	5.71E-04	2.74E-04	1.84E-01	7.67E-04	5.16E-01
360.187	4248.927	3.86E-01	5.71E-04	2.74E-04	1.85E-01	7.67E-04	5.19E-01
360.728	4248.992	1.18E+00	5.71E-04	2.74E-04	5.67E-01	7.67E-04	1.59E+00
360.4	4248.912	1.49E+00	5.71E-04	2.74E-04	7.16E-01	7.67E-04	2.00E+00
360.341	4248.904	1.04E+00	5.71E-04	2.74E-04	5.00E-01	7.67E-04	1.40E+00
360.253	4248.902	5.84E-01	5.71E-04	2.74E-04	2.80E-01	7.67E-04	7.84E-01
360.239	4248.398	1.47E-01	5.71E-04	2.74E-04	7.05E-02	7.67E-04	1.97E-01
360.289	4248.002	4.18E-02	5.71E-04	2.74E-04	2.01E-02	7.67E-04	5.62E-02
360.302	4247.704	2.03E-02	5.71E-04	2.74E-04	9.72E-03	7.67E-04	2.72E-02
360.305	4247.6	1.64E-02	5.71E-04	2.74E-04	7.85E-03	7.67E-04	2.20E-02

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
CHLORINE - TASK 3

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	1.45E-01	5.70E-05	2.74E-04	6.99E-01	7.67E-04	1.96E+00
359.84	4249.884	1.57E-01	5.70E-05	2.74E-04	7.55E-01	7.67E-04	2.11E+00
359.86	4249.794	1.80E-01	5.70E-05	2.74E-04	8.67E-01	7.67E-04	2.43E+00
359.875	4249.736	1.97E-01	5.70E-05	2.74E-04	9.47E-01	7.67E-04	2.65E+00
359.806	4249.729	1.86E-01	5.70E-05	2.74E-04	8.93E-01	7.67E-04	2.50E+00
359.818	4249.667	2.04E-01	5.70E-05	2.74E-04	9.78E-01	7.67E-04	2.74E+00
359.827	4249.617	2.16E-01	5.70E-05	2.74E-04	1.04E+00	7.67E-04	2.91E+00
359.836	4249.56	2.16E-01	5.70E-05	2.74E-04	1.04E+00	7.67E-04	2.91E+00
359.849	4249.506	2.16E-01	5.70E-05	2.74E-04	1.04E+00	7.67E-04	2.91E+00
359.888	4249.439	2.40E-01	5.70E-05	2.74E-04	1.15E+00	7.67E-04	3.23E+00
359.939	4249.397	2.85E-01	5.70E-05	2.74E-04	1.37E+00	7.67E-04	3.83E+00
359.984	4249.373	3.19E-01	5.70E-05	2.74E-04	1.53E+00	7.67E-04	4.29E+00
360.032	4249.325	3.84E-01	5.70E-05	2.74E-04	1.85E+00	7.67E-04	5.17E+00
360.068	4249.275	4.00E-01	5.70E-05	2.74E-04	1.92E+00	7.67E-04	5.39E+00
360.088	4249.225	4.32E-01	5.70E-05	2.74E-04	2.08E+00	7.67E-04	5.82E+00
360.06	4249.18	4.36E-01	5.70E-05	2.74E-04	2.10E+00	7.67E-04	5.87E+00
360.115	4249.143	4.95E-01	5.70E-05	2.74E-04	2.38E+00	7.67E-04	6.66E+00
360.171	4249.034	8.06E-01	5.70E-05	2.74E-04	3.87E+00	7.67E-04	1.08E+01
360.171	4249.149	5.68E-01	5.70E-05	2.74E-04	2.73E+00	7.67E-04	7.65E+00
360.198	4249.204	5.46E-01	5.70E-05	2.74E-04	2.62E+00	7.67E-04	7.34E+00
360.2	4249.26	4.93E-01	5.70E-05	2.74E-04	2.37E+00	7.67E-04	6.64E+00
360.199	4249.312	4.51E-01	5.70E-05	2.74E-04	2.17E+00	7.67E-04	6.07E+00
360.195	4249.375	4.00E-01	5.70E-05	2.74E-04	1.92E+00	7.67E-04	5.38E+00
360.191	4249.427	3.63E-01	5.70E-05	2.74E-04	1.74E+00	7.67E-04	4.88E+00
360.189	4249.503	3.31E-01	5.70E-05	2.74E-04	1.59E+00	7.67E-04	4.45E+00
360.186	4249.569	3.12E-01	5.70E-05	2.74E-04	1.50E+00	7.67E-04	4.19E+00
360.178	4249.644	3.06E-01	5.70E-05	2.74E-04	1.47E+00	7.67E-04	4.12E+00
360.178	4249.719	2.85E-01	5.70E-05	2.74E-04	1.37E+00	7.67E-04	3.83E+00
360.186	4249.823	2.47E-01	5.70E-05	2.74E-04	1.19E+00	7.67E-04	3.33E+00
360.188	4249.929	2.08E-01	5.70E-05	2.74E-04	1.00E+00	7.67E-04	2.80E+00
360.18	4250.032	1.96E-01	5.70E-05	2.74E-04	9.42E-01	7.67E-04	2.64E+00
360.091	4250.02	1.75E-01	5.70E-05	2.74E-04	8.40E-01	7.67E-04	2.35E+00
360.003	4250.007	1.60E-01	5.70E-05	2.74E-04	7.67E-01	7.67E-04	2.15E+00
359.914	4249.995	1.48E-01	5.70E-05	2.74E-04	7.10E-01	7.67E-04	1.99E+00
360.269	4249.127	7.41E-01	5.70E-05	2.74E-04	3.56E+00	7.67E-04	9.97E+00
360.334	4249.128	8.48E-01	5.70E-05	2.74E-04	4.08E+00	7.67E-04	1.14E+01
360.403	4249.137	8.94E-01	5.70E-05	2.74E-04	4.30E+00	7.67E-04	1.20E+01
360.498	4249.157	8.29E-01	5.70E-05	2.74E-04	3.98E+00	7.67E-04	1.12E+01
360.592	4249.185	6.46E-01	5.70E-05	2.74E-04	3.11E+00	7.67E-04	8.69E+00
360.678	4249.21	4.71E-01	5.70E-05	2.74E-04	2.27E+00	7.67E-04	6.34E+00
360.632	4249.294	4.42E-01	5.70E-05	2.74E-04	2.13E+00	7.67E-04	5.95E+00
360.585	4249.378	4.20E-01	5.70E-05	2.74E-04	2.02E+00	7.67E-04	5.66E+00
360.538	4249.462	3.93E-01	5.70E-05	2.74E-04	1.89E+00	7.67E-04	5.28E+00
360.491	4249.545	3.61E-01	5.70E-05	2.74E-04	1.74E+00	7.67E-04	4.86E+00
360.444	4249.629	3.20E-01	5.70E-05	2.74E-04	1.54E+00	7.67E-04	4.30E+00
360.397	4249.713	2.91E-01	5.70E-05	2.74E-04	1.40E+00	7.67E-04	3.91E+00
360.35	4249.797	2.57E-01	5.70E-05	2.74E-04	1.24E+00	7.67E-04	3.46E+00
360.277	4249.8	2.54E-01	5.70E-05	2.74E-04	1.22E+00	7.67E-04	3.41E+00
360.233	4249.168	6.37E-01	5.70E-05	2.74E-04	3.06E+00	7.67E-04	8.57E+00
360.049	4248.941	7.86E-01	5.70E-05	2.74E-04	3.78E+00	7.67E-04	1.06E+01
359.958	4248.92	5.05E-01	5.70E-05	2.74E-04	2.43E+00	7.67E-04	6.80E+00
359.868	4248.894	5.37E-01	5.70E-05	2.74E-04	2.58E+00	7.67E-04	7.22E+00
359.743	4248.646	5.34E-01	5.70E-05	2.74E-04	2.57E+00	7.67E-04	7.19E+00
359.749	4248.592	5.43E-01	5.70E-05	2.74E-04	2.61E+00	7.67E-04	7.31E+00
359.754	4248.513	5.46E-01	5.70E-05	2.74E-04	2.63E+00	7.67E-04	7.35E+00
359.751	4248.443	5.32E-01	5.70E-05	2.74E-04	2.56E+00	7.67E-04	7.16E+00
359.839	4248.354	7.58E-01	5.70E-05	2.74E-04	3.64E+00	7.67E-04	1.02E+01
359.934	4248.308	8.20E-01	5.70E-05	2.74E-04	3.94E+00	7.67E-04	1.10E+01
360.03	4248.262	1.20E+00	5.70E-05	2.74E-04	5.78E+00	7.67E-04	1.62E+01
360.23	4248.121	1.65E+00	5.70E-05	2.74E-04	7.95E+00	7.67E-04	2.23E+01
360.196	4248.694	1.94E+00	5.70E-05	2.74E-04	9.35E+00	7.67E-04	2.62E+01
360.188	4248.787	1.51E+00	5.70E-05	2.74E-04	7.25E+00	7.67E-04	2.03E+01
360.186	4248.85	1.28E+00	5.70E-05	2.74E-04	6.14E+00	7.67E-04	1.72E+01
360.187	4248.927	1.08E+00	5.70E-05	2.74E-04	5.19E+00	7.67E-04	1.45E+01
360.728	4248.992	6.59E-01	5.70E-05	2.74E-04	3.17E+00	7.67E-04	8.87E+00
360.4	4248.912	2.42E+00	5.70E-05	2.74E-04	1.16E+01	7.67E-04	3.26E+01
360.341	4248.904	2.31E+00	5.70E-05	2.74E-04	1.11E+01	7.67E-04	3.11E+01
360.253	4248.902	1.37E+00	5.70E-05	2.74E-04	6.60E+00	7.67E-04	1.85E+01
360.239	4248.398	3.95E+00	5.70E-05	2.74E-04	1.90E+01	7.67E-04	5.31E+01
360.289	4248.002	1.18E+00	5.70E-05	2.74E-04	5.69E+00	7.67E-04	1.59E+01
360.302	4247.704	5.47E-01	5.70E-05	2.74E-04	2.63E+00	7.67E-04	7.36E+00
360.305	4247.6	4.82E-01	5.70E-05	2.74E-04	2.32E+00	7.67E-04	6.49E+00

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
FURFURAL - TASK 3

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	5.73E-02	1.00E-02	2.74E-04	1.57E-03	7.67E-04	4.39E-03
359.84	4249.884	6.03E-02	1.00E-02	2.74E-04	1.65E-03	7.67E-04	4.62E-03
359.86	4249.794	6.65E-02	1.00E-02	2.74E-04	1.82E-03	7.67E-04	5.10E-03
359.875	4249.736	7.11E-02	1.00E-02	2.74E-04	1.95E-03	7.67E-04	5.45E-03
359.806	4249.729	6.74E-02	1.00E-02	2.74E-04	1.85E-03	7.67E-04	5.17E-03
359.818	4249.667	7.25E-02	1.00E-02	2.74E-04	1.99E-03	7.67E-04	5.56E-03
359.827	4249.617	7.71E-02	1.00E-02	2.74E-04	2.11E-03	7.67E-04	5.91E-03
359.836	4249.56	8.28E-02	1.00E-02	2.74E-04	2.27E-03	7.67E-04	6.35E-03
359.849	4249.506	8.92E-02	1.00E-02	2.74E-04	2.44E-03	7.67E-04	6.84E-03
359.888	4249.439	9.96E-02	1.00E-02	2.74E-04	2.73E-03	7.67E-04	7.64E-03
359.939	4249.397	1.10E-01	1.00E-02	2.74E-04	3.00E-03	7.67E-04	8.41E-03
359.984	4249.373	1.18E-01	1.00E-02	2.74E-04	3.23E-03	7.67E-04	9.04E-03
360.032	4249.325	1.32E-01	1.00E-02	2.74E-04	3.62E-03	7.67E-04	1.01E-02
360.068	4249.275	1.47E-01	1.00E-02	2.74E-04	4.04E-03	7.67E-04	1.13E-02
360.088	4249.225	1.62E-01	1.00E-02	2.74E-04	4.43E-03	7.67E-04	1.24E-02
360.06	4249.18	1.66E-01	1.00E-02	2.74E-04	4.54E-03	7.67E-04	1.27E-02
360.115	4249.143	1.84E-01	1.00E-02	2.74E-04	5.05E-03	7.67E-04	1.41E-02
360.171	4249.034	2.30E-01	1.00E-02	2.74E-04	6.30E-03	7.67E-04	1.76E-02
360.171	4249.149	1.99E-01	1.00E-02	2.74E-04	5.45E-03	7.67E-04	1.53E-02
360.198	4249.204	1.93E-01	1.00E-02	2.74E-04	5.28E-03	7.67E-04	1.48E-02
360.2	4249.26	1.79E-01	1.00E-02	2.74E-04	4.92E-03	7.67E-04	1.38E-02
360.199	4249.312	1.67E-01	1.00E-02	2.74E-04	4.57E-03	7.67E-04	1.28E-02
360.195	4249.375	1.53E-01	1.00E-02	2.74E-04	4.19E-03	7.67E-04	1.17E-02
360.191	4249.427	1.43E-01	1.00E-02	2.74E-04	3.91E-03	7.67E-04	1.09E-02
360.189	4249.503	1.30E-01	1.00E-02	2.74E-04	3.57E-03	7.67E-04	9.99E-03
360.186	4249.569	1.21E-01	1.00E-02	2.74E-04	3.33E-03	7.67E-04	9.31E-03
360.178	4249.644	1.12E-01	1.00E-02	2.74E-04	3.07E-03	7.67E-04	8.58E-03
360.178	4249.719	1.04E-01	1.00E-02	2.74E-04	2.86E-03	7.67E-04	7.99E-03
360.186	4249.823	9.52E-02	1.00E-02	2.74E-04	2.61E-03	7.67E-04	7.30E-03
360.188	4249.929	8.65E-02	1.00E-02	2.74E-04	2.37E-03	7.67E-04	6.64E-03
360.18	4250.032	7.83E-02	1.00E-02	2.74E-04	2.15E-03	7.67E-04	6.01E-03
360.091	4250.02	7.05E-02	1.00E-02	2.74E-04	1.93E-03	7.67E-04	5.41E-03
360.003	4250.007	6.42E-02	1.00E-02	2.74E-04	1.76E-03	7.67E-04	4.93E-03
359.914	4249.995	5.93E-02	1.00E-02	2.74E-04	1.62E-03	7.67E-04	4.55E-03
360.269	4249.127	2.36E-01	1.00E-02	2.74E-04	6.47E-03	7.67E-04	1.81E-02
360.334	4249.128	2.58E-01	1.00E-02	2.74E-04	7.06E-03	7.67E-04	1.98E-02
360.403	4249.137	2.75E-01	1.00E-02	2.74E-04	7.53E-03	7.67E-04	2.11E-02
360.498	4249.157	2.84E-01	1.00E-02	2.74E-04	7.79E-03	7.67E-04	2.18E-02
360.592	4249.185	2.69E-01	1.00E-02	2.74E-04	7.38E-03	7.67E-04	2.06E-02
360.678	4249.21	2.49E-01	1.00E-02	2.74E-04	6.82E-03	7.67E-04	1.91E-02
360.632	4249.294	2.19E-01	1.00E-02	2.74E-04	6.01E-03	7.67E-04	1.68E-02
360.585	4249.378	1.96E-01	1.00E-02	2.74E-04	5.36E-03	7.67E-04	1.50E-02
360.538	4249.462	1.74E-01	1.00E-02	2.74E-04	4.77E-03	7.67E-04	1.33E-02
360.491	4249.545	1.56E-01	1.00E-02	2.74E-04	4.29E-03	7.67E-04	1.20E-02
360.444	4249.629	1.38E-01	1.00E-02	2.74E-04	3.79E-03	7.67E-04	1.06E-02
360.397	4249.713	1.26E-01	1.00E-02	2.74E-04	3.44E-03	7.67E-04	9.64E-03
360.35	4249.797	1.12E-01	1.00E-02	2.74E-04	3.08E-03	7.67E-04	8.62E-03
360.277	4249.8	1.09E-01	1.00E-02	2.74E-04	2.98E-03	7.67E-04	8.35E-03
360.233	4249.168	2.13E-01	1.00E-02	2.74E-04	5.83E-03	7.67E-04	1.63E-02
360.049	4248.941	2.17E-01	1.00E-02	2.74E-04	5.95E-03	7.67E-04	1.67E-02
359.958	4248.92	2.03E-01	1.00E-02	2.74E-04	5.56E-03	7.67E-04	1.56E-02
359.868	4248.894	1.89E-01	1.00E-02	2.74E-04	5.18E-03	7.67E-04	1.45E-02
359.743	4248.646	1.64E-01	1.00E-02	2.74E-04	4.50E-03	7.67E-04	1.26E-02
359.749	4248.592	1.65E-01	1.00E-02	2.74E-04	4.53E-03	7.67E-04	1.27E-02
359.754	4248.513	1.66E-01	1.00E-02	2.74E-04	4.54E-03	7.67E-04	1.27E-02
359.751	4248.443	1.66E-01	1.00E-02	2.74E-04	4.54E-03	7.67E-04	1.27E-02
359.839	4248.354	2.11E-01	1.00E-02	2.74E-04	5.79E-03	7.67E-04	1.62E-02
359.934	4248.308	2.73E-01	1.00E-02	2.74E-04	7.48E-03	7.67E-04	2.09E-02
360.03	4248.262	3.60E-01	1.00E-02	2.74E-04	9.86E-03	7.67E-04	2.76E-02
360.23	4248.121	9.15E-01	1.00E-02	2.74E-04	2.51E-02	7.67E-04	7.02E-02
360.196	4248.694	3.70E-01	1.00E-02	2.74E-04	1.01E-02	7.67E-04	2.84E-02
360.188	4248.787	3.18E-01	1.00E-02	2.74E-04	8.71E-03	7.67E-04	2.44E-02
360.186	4248.85	2.93E-01	1.00E-02	2.74E-04	8.03E-03	7.67E-04	2.25E-02
360.187	4248.927	2.68E-01	1.00E-02	2.74E-04	7.34E-03	7.67E-04	2.05E-02
360.728	4248.992	3.54E-01	1.00E-02	2.74E-04	9.69E-03	7.67E-04	2.71E-02
360.4	4248.912	4.02E-01	1.00E-02	2.74E-04	1.10E-02	7.67E-04	3.08E-02
360.341	4248.904	3.68E-01	1.00E-02	2.74E-04	1.01E-02	7.67E-04	2.82E-02
360.253	4248.902	3.11E-01	1.00E-02	2.74E-04	8.51E-03	7.67E-04	2.38E-02
360.239	4248.398	7.06E-01	1.00E-02	2.74E-04	1.93E-02	7.67E-04	5.42E-02
360.289	4248.002	1.52E+00	1.00E-02	2.74E-04	4.16E-02	7.67E-04	1.16E-01
360.302	4247.704	9.27E-01	1.00E-02	2.74E-04	2.54E-02	7.67E-04	7.11E-02
360.305	4247.6	4.72E-01	1.00E-02	2.74E-04	1.29E-02	7.67E-04	3.62E-02

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
NAPHTHALENE - TASK 3

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	4.95E-02	9.00E-04	2.74E-04	1.51E-02	7.67E-04	4.22E-02
359.84	4249.884	5.25E-02	9.00E-04	2.74E-04	1.60E-02	7.67E-04	4.47E-02
359.86	4249.794	5.85E-02	9.00E-04	2.74E-04	1.78E-02	7.67E-04	4.99E-02
359.875	4249.736	6.30E-02	9.00E-04	2.74E-04	1.92E-02	7.67E-04	5.37E-02
359.806	4249.729	5.97E-02	9.00E-04	2.74E-04	1.82E-02	7.67E-04	5.09E-02
359.818	4249.667	6.44E-02	9.00E-04	2.74E-04	1.96E-02	7.67E-04	5.49E-02
359.827	4249.617	6.86E-02	9.00E-04	2.74E-04	2.09E-02	7.67E-04	5.84E-02
359.836	4249.56	7.36E-02	9.00E-04	2.74E-04	2.24E-02	7.67E-04	6.27E-02
359.849	4249.506	7.89E-02	9.00E-04	2.74E-04	2.40E-02	7.67E-04	6.73E-02
359.888	4249.439	8.84E-02	9.00E-04	2.74E-04	2.69E-02	7.67E-04	7.54E-02
359.939	4249.397	9.85E-02	9.00E-04	2.74E-04	3.00E-02	7.67E-04	8.39E-02
359.984	4249.373	1.07E-01	9.00E-04	2.74E-04	3.25E-02	7.67E-04	9.10E-02
360.032	4249.325	1.20E-01	9.00E-04	2.74E-04	3.66E-02	7.67E-04	1.02E-01
360.068	4249.275	1.34E-01	9.00E-04	2.74E-04	4.07E-02	7.67E-04	1.14E-01
360.088	4249.225	1.47E-01	9.00E-04	2.74E-04	4.47E-02	7.67E-04	1.25E-01
360.06	4249.18	1.49E-01	9.00E-04	2.74E-04	4.55E-02	7.67E-04	1.27E-01
360.115	4249.143	1.69E-01	9.00E-04	2.74E-04	5.16E-02	7.67E-04	1.44E-01
360.171	4249.034	2.35E-01	9.00E-04	2.74E-04	7.16E-02	7.67E-04	2.00E-01
360.171	4249.149	1.90E-01	9.00E-04	2.74E-04	5.80E-02	7.67E-04	1.62E-01
360.198	4249.204	1.81E-01	9.00E-04	2.74E-04	5.51E-02	7.67E-04	1.54E-01
360.2	4249.26	1.64E-01	9.00E-04	2.74E-04	5.00E-02	7.67E-04	1.40E-01
360.199	4249.312	1.50E-01	9.00E-04	2.74E-04	4.56E-02	7.67E-04	1.28E-01
360.195	4249.375	1.35E-01	9.00E-04	2.74E-04	4.10E-02	7.67E-04	1.15E-01
360.191	4249.427	1.24E-01	9.00E-04	2.74E-04	3.78E-02	7.67E-04	1.06E-01
360.189	4249.503	1.11E-01	9.00E-04	2.74E-04	3.39E-02	7.67E-04	9.48E-02
360.186	4249.569	1.02E-01	9.00E-04	2.74E-04	3.09E-02	7.67E-04	8.65E-02
360.178	4249.644	9.18E-02	9.00E-04	2.74E-04	2.80E-02	7.67E-04	7.83E-02
360.178	4249.719	8.37E-02	9.00E-04	2.74E-04	2.55E-02	7.67E-04	7.13E-02
360.186	4249.823	7.42E-02	9.00E-04	2.74E-04	2.26E-02	7.67E-04	6.32E-02
360.188	4249.929	6.54E-02	9.00E-04	2.74E-04	1.99E-02	7.67E-04	5.58E-02
360.18	4250.032	5.82E-02	9.00E-04	2.74E-04	1.77E-02	7.67E-04	4.96E-02
360.091	4250.02	5.52E-02	9.00E-04	2.74E-04	1.68E-02	7.67E-04	4.71E-02
360.003	4250.007	5.25E-02	9.00E-04	2.74E-04	1.60E-02	7.67E-04	4.47E-02
359.914	4249.995	4.99E-02	9.00E-04	2.74E-04	1.52E-02	7.67E-04	4.25E-02
360.269	4249.127	2.47E-01	9.00E-04	2.74E-04	7.53E-02	7.67E-04	2.11E-01
360.334	4249.128	2.86E-01	9.00E-04	2.74E-04	8.71E-02	7.67E-04	2.44E-01
360.403	4249.137	3.24E-01	9.00E-04	2.74E-04	9.87E-02	7.67E-04	2.76E-01
360.498	4249.157	3.41E-01	9.00E-04	2.74E-04	1.04E-01	7.67E-04	2.91E-01
360.592	4249.185	3.03E-01	9.00E-04	2.74E-04	9.22E-02	7.67E-04	2.58E-01
360.678	4249.21	2.46E-01	9.00E-04	2.74E-04	7.50E-02	7.67E-04	2.10E-01
360.632	4249.294	1.93E-01	9.00E-04	2.74E-04	5.88E-02	7.67E-04	1.65E-01
360.585	4249.378	1.56E-01	9.00E-04	2.74E-04	4.75E-02	7.67E-04	1.33E-01
360.538	4249.462	1.28E-01	9.00E-04	2.74E-04	3.91E-02	7.67E-04	1.09E-01
360.491	4249.545	1.15E-01	9.00E-04	2.74E-04	3.49E-02	7.67E-04	9.76E-02
360.444	4249.629	9.67E-02	9.00E-04	2.74E-04	2.94E-02	7.67E-04	8.24E-02
360.397	4249.713	8.87E-02	9.00E-04	2.74E-04	2.70E-02	7.67E-04	7.56E-02
360.35	4249.797	7.89E-02	9.00E-04	2.74E-04	2.40E-02	7.67E-04	6.72E-02
360.277	4249.8	8.04E-02	9.00E-04	2.74E-04	2.45E-02	7.67E-04	6.85E-02
360.233	4249.168	2.09E-01	9.00E-04	2.74E-04	6.35E-02	7.67E-04	1.78E-01
360.049	4248.941	1.85E-01	9.00E-04	2.74E-04	5.64E-02	7.67E-04	1.58E-01
359.958	4248.92	1.53E-01	9.00E-04	2.74E-04	4.66E-02	7.67E-04	1.31E-01
359.868	4248.894	1.34E-01	9.00E-04	2.74E-04	4.09E-02	7.67E-04	1.15E-01
359.743	4248.646	1.30E-01	9.00E-04	2.74E-04	3.96E-02	7.67E-04	1.11E-01
359.749	4248.592	1.36E-01	9.00E-04	2.74E-04	4.15E-02	7.67E-04	1.16E-01
359.754	4248.513	1.50E-01	9.00E-04	2.74E-04	4.56E-02	7.67E-04	1.28E-01
359.751	4248.443	1.69E-01	9.00E-04	2.74E-04	5.13E-02	7.67E-04	1.44E-01
359.839	4248.354	1.97E-01	9.00E-04	2.74E-04	6.01E-02	7.67E-04	1.68E-01
359.934	4248.308	2.12E-01	9.00E-04	2.74E-04	6.44E-02	7.67E-04	1.80E-01
360.03	4248.262	2.33E-01	9.00E-04	2.74E-04	7.11E-02	7.67E-04	1.99E-01
360.23	4248.121	3.66E-01	9.00E-04	2.74E-04	1.11E-01	7.67E-04	3.12E-01
360.196	4248.694	2.85E-01	9.00E-04	2.74E-04	8.68E-02	7.67E-04	2.43E-01
360.188	4248.787	2.89E-01	9.00E-04	2.74E-04	8.80E-02	7.67E-04	2.46E-01
360.186	4248.85	2.87E-01	9.00E-04	2.74E-04	8.73E-02	7.67E-04	2.44E-01
360.187	4248.927	2.78E-01	9.00E-04	2.74E-04	8.47E-02	7.67E-04	2.37E-01
360.728	4248.992	4.95E-01	9.00E-04	2.74E-04	1.51E-01	7.67E-04	4.22E-01
360.4	4248.912	8.32E-01	9.00E-04	2.74E-04	2.53E-01	7.67E-04	7.09E-01
360.341	4248.904	5.75E-01	9.00E-04	2.74E-04	1.75E-01	7.67E-04	4.90E-01
360.253	4248.902	3.64E-01	9.00E-04	2.74E-04	1.11E-01	7.67E-04	3.10E-01
360.239	4248.398	2.82E-01	9.00E-04	2.74E-04	8.57E-02	7.67E-04	2.40E-01
360.289	4248.002	5.29E-01	9.00E-04	2.74E-04	1.61E-01	7.67E-04	4.51E-01
360.302	4247.704	2.34E+00	9.00E-04	2.74E-04	7.11E-01	7.67E-04	1.99E+00
360.305	4247.6	3.03E+00	9.00E-04	2.74E-04	9.23E-01	7.67E-04	2.58E+00

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
NICKEL - TASK 3 - REASONABLE MAXIMUM EXPOSURE

RECEPTOR (x,y) km		CONCENTRATION (ug/m3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	2.61E-02	2.00E-02	2.74E-04	3.58E-04	7.67E-04	1.00E-03
359.84	4249.884	2.75E-02	2.00E-02	2.74E-04	3.77E-04	7.67E-04	1.06E-03
359.86	4249.794	3.06E-02	2.00E-02	2.74E-04	4.20E-04	7.67E-04	1.17E-03
359.875	4249.736	3.28E-02	2.00E-02	2.74E-04	4.50E-04	7.67E-04	1.26E-03
359.806	4249.729	3.09E-02	2.00E-02	2.74E-04	4.23E-04	7.67E-04	1.18E-03
359.818	4249.667	3.31E-02	2.00E-02	2.74E-04	4.54E-04	7.67E-04	1.27E-03
359.827	4249.617	3.47E-02	2.00E-02	2.74E-04	4.75E-04	7.67E-04	1.33E-03
359.836	4249.56	3.64E-02	2.00E-02	2.74E-04	4.98E-04	7.67E-04	1.40E-03
359.849	4249.506	3.82E-02	2.00E-02	2.74E-04	5.23E-04	7.67E-04	1.47E-03
359.888	4249.439	4.26E-02	2.00E-02	2.74E-04	5.84E-04	7.67E-04	1.64E-03
359.939	4249.397	4.81E-02	2.00E-02	2.74E-04	6.60E-04	7.67E-04	1.85E-03
359.984	4249.373	5.24E-02	2.00E-02	2.74E-04	7.17E-04	7.67E-04	2.01E-03
360.032	4249.325	5.94E-02	2.00E-02	2.74E-04	8.14E-04	7.67E-04	2.28E-03
360.068	4249.275	6.45E-02	2.00E-02	2.74E-04	8.84E-04	7.67E-04	2.48E-03
360.088	4249.225	6.98E-02	2.00E-02	2.74E-04	9.56E-04	7.67E-04	2.68E-03
360.06	4249.18	7.14E-02	2.00E-02	2.74E-04	9.78E-04	7.67E-04	2.74E-03
360.115	4249.143	7.92E-02	2.00E-02	2.74E-04	1.08E-03	7.67E-04	3.04E-03
360.171	4249.034	1.03E-01	2.00E-02	2.74E-04	1.41E-03	7.67E-04	3.96E-03
360.171	4249.149	8.17E-02	2.00E-02	2.74E-04	1.12E-03	7.67E-04	3.13E-03
360.198	4249.204	7.61E-02	2.00E-02	2.74E-04	1.04E-03	7.67E-04	2.92E-03
360.2	4249.26	7.07E-02	2.00E-02	2.74E-04	9.68E-04	7.67E-04	2.71E-03
360.199	4249.312	6.61E-02	2.00E-02	2.74E-04	9.05E-04	7.67E-04	2.53E-03
360.195	4249.375	6.03E-02	2.00E-02	2.74E-04	8.26E-04	7.67E-04	2.31E-03
360.191	4249.427	5.57E-02	2.00E-02	2.74E-04	7.63E-04	7.67E-04	2.14E-03
360.189	4249.503	5.07E-02	2.00E-02	2.74E-04	6.95E-04	7.67E-04	1.94E-03
360.186	4249.569	4.74E-02	2.00E-02	2.74E-04	6.49E-04	7.67E-04	1.82E-03
360.178	4249.644	4.45E-02	2.00E-02	2.74E-04	6.10E-04	7.67E-04	1.71E-03
360.178	4249.719	4.14E-02	2.00E-02	2.74E-04	5.68E-04	7.67E-04	1.59E-03
360.186	4249.823	3.73E-02	2.00E-02	2.74E-04	5.10E-04	7.67E-04	1.43E-03
360.188	4249.929	3.31E-02	2.00E-02	2.74E-04	4.54E-04	7.67E-04	1.27E-03
360.18	4250.032	3.08E-02	2.00E-02	2.74E-04	4.22E-04	7.67E-04	1.18E-03
360.091	4250.02	2.99E-02	2.00E-02	2.74E-04	4.09E-04	7.67E-04	1.15E-03
360.003	4250.007	2.85E-02	2.00E-02	2.74E-04	3.91E-04	7.67E-04	1.09E-03
359.914	4249.995	2.70E-02	2.00E-02	2.74E-04	3.70E-04	7.67E-04	1.04E-03
360.269	4249.127	8.45E-02	2.00E-02	2.74E-04	1.16E-03	7.67E-04	3.24E-03
360.334	4249.128	8.34E-02	2.00E-02	2.74E-04	1.14E-03	7.67E-04	3.20E-03
360.403	4249.137	8.02E-02	2.00E-02	2.74E-04	1.10E-03	7.67E-04	3.08E-03
360.498	4249.157	7.44E-02	2.00E-02	2.74E-04	1.02E-03	7.67E-04	2.85E-03
360.592	4249.185	6.86E-02	2.00E-02	2.74E-04	9.40E-04	7.67E-04	2.63E-03
360.678	4249.21	6.05E-02	2.00E-02	2.74E-04	8.29E-04	7.67E-04	2.32E-03
360.632	4249.294	6.01E-02	2.00E-02	2.74E-04	8.23E-04	7.67E-04	2.31E-03
360.585	4249.378	5.83E-02	2.00E-02	2.74E-04	7.99E-04	7.67E-04	2.24E-03
360.538	4249.462	5.54E-02	2.00E-02	2.74E-04	7.59E-04	7.67E-04	2.12E-03
360.491	4249.545	5.26E-02	2.00E-02	2.74E-04	7.21E-04	7.67E-04	2.02E-03
360.444	4249.629	4.91E-02	2.00E-02	2.74E-04	6.73E-04	7.67E-04	1.88E-03
360.397	4249.713	4.56E-02	2.00E-02	2.74E-04	6.24E-04	7.67E-04	1.75E-03
360.35	4249.797	4.13E-02	2.00E-02	2.74E-04	5.66E-04	7.67E-04	1.58E-03
360.277	4249.8	3.95E-02	2.00E-02	2.74E-04	5.41E-04	7.67E-04	1.51E-03
360.233	4249.168	8.03E-02	2.00E-02	2.74E-04	1.10E-03	7.67E-04	3.08E-03
360.049	4248.941	1.08E-01	2.00E-02	2.74E-04	1.48E-03	7.67E-04	4.13E-03
359.958	4248.92	7.82E-02	2.00E-02	2.74E-04	1.07E-03	7.67E-04	3.00E-03
359.868	4248.894	7.03E-02	2.00E-02	2.74E-04	9.64E-04	7.67E-04	2.70E-03
359.743	4248.646	7.33E-02	2.00E-02	2.74E-04	1.00E-03	7.67E-04	2.81E-03
359.749	4248.592	7.25E-02	2.00E-02	2.74E-04	9.93E-04	7.67E-04	2.78E-03
359.754	4248.513	6.35E-02	2.00E-02	2.74E-04	8.70E-04	7.67E-04	2.44E-03
359.751	4248.443	6.17E-02	2.00E-02	2.74E-04	8.45E-04	7.67E-04	2.37E-03
359.839	4248.354	8.68E-02	2.00E-02	2.74E-04	1.19E-03	7.67E-04	3.33E-03
359.934	4248.308	1.48E-01	2.00E-02	2.74E-04	2.03E-03	7.67E-04	5.68E-03
360.03	4248.262	3.09E-01	2.00E-02	2.74E-04	4.23E-03	7.67E-04	1.18E-02
360.23	4248.121	9.41E-01	2.00E-02	2.74E-04	1.29E-02	7.67E-04	3.61E-02
360.196	4248.694	2.52E-01	2.00E-02	2.74E-04	3.46E-03	7.67E-04	9.68E-03
360.188	4248.787	1.80E-01	2.00E-02	2.74E-04	2.46E-03	7.67E-04	6.89E-03
360.186	4248.85	1.51E-01	2.00E-02	2.74E-04	2.06E-03	7.67E-04	5.78E-03
360.187	4248.927	1.29E-01	2.00E-02	2.74E-04	1.77E-03	7.67E-04	4.95E-03
360.728	4248.992	6.05E-02	2.00E-02	2.74E-04	8.28E-04	7.67E-04	2.32E-03
360.4	4248.912	1.10E-01	2.00E-02	2.74E-04	1.51E-03	7.67E-04	4.24E-03
360.341	4248.904	1.20E-01	2.00E-02	2.74E-04	1.64E-03	7.67E-04	4.59E-03
360.253	4248.902	1.29E-01	2.00E-02	2.74E-04	1.77E-03	7.67E-04	4.95E-03
360.239	4248.398	1.18E+00	2.00E-02	2.74E-04	1.62E-02	7.67E-04	4.53E-02
360.289	4248.002	2.91E-01	2.00E-02	2.74E-04	3.99E-03	7.67E-04	1.12E-02
360.302	4247.704	5.76E-02	2.00E-02	2.74E-04	7.89E-04	7.67E-04	2.21E-03
360.305	4247.6	4.50E-02	2.00E-02	2.74E-04	6.17E-04	7.67E-04	1.73E-03

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
TOLUENE - TASK 3

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	8.11E-01	1.14E-01	2.74E-04	1.95E-03	7.67E-04	5.46E-03
359.84	4249.884	8.74E-01	1.14E-01	2.74E-04	2.10E-03	7.67E-04	5.88E-03
359.86	4249.794	1.00E+00	1.14E-01	2.74E-04	2.41E-03	7.67E-04	6.74E-03
359.875	4249.736	1.10E+00	1.14E-01	2.74E-04	2.64E-03	7.67E-04	7.40E-03
359.806	4249.729	1.03E+00	1.14E-01	2.74E-04	2.47E-03	7.67E-04	6.92E-03
359.818	4249.667	1.13E+00	1.14E-01	2.74E-04	2.72E-03	7.67E-04	7.63E-03
359.827	4249.617	1.22E+00	1.14E-01	2.74E-04	2.94E-03	7.67E-04	8.22E-03
359.836	4249.56	1.33E+00	1.14E-01	2.74E-04	3.20E-03	7.67E-04	8.96E-03
359.849	4249.506	1.46E+00	1.14E-01	2.74E-04	3.51E-03	7.67E-04	9.82E-03
359.888	4249.439	1.70E+00	1.14E-01	2.74E-04	4.08E-03	7.67E-04	1.14E-02
359.939	4249.397	1.95E+00	1.14E-01	2.74E-04	4.69E-03	7.67E-04	1.31E-02
359.984	4249.373	2.17E+00	1.14E-01	2.74E-04	5.21E-03	7.67E-04	1.46E-02
360.032	4249.325	2.53E+00	1.14E-01	2.74E-04	6.08E-03	7.67E-04	1.70E-02
360.068	4249.275	2.89E+00	1.14E-01	2.74E-04	6.96E-03	7.67E-04	1.95E-02
360.088	4249.225	3.25E+00	1.14E-01	2.74E-04	7.82E-03	7.67E-04	2.19E-02
360.06	4249.18	3.33E+00	1.14E-01	2.74E-04	7.99E-03	7.67E-04	2.24E-02
360.115	4249.143	3.53E+00	1.14E-01	2.74E-04	8.49E-03	7.67E-04	2.38E-02
360.171	4249.034	5.34E+00	1.14E-01	2.74E-04	1.28E-02	7.67E-04	3.59E-02
360.171	4249.149	4.30E+00	1.14E-01	2.74E-04	1.03E-02	7.67E-04	2.89E-02
360.198	4249.204	4.09E+00	1.14E-01	2.74E-04	9.84E-03	7.67E-04	2.75E-02
360.2	4249.26	3.71E+00	1.14E-01	2.74E-04	8.91E-03	7.67E-04	2.49E-02
360.199	4249.312	3.35E+00	1.14E-01	2.74E-04	8.04E-03	7.67E-04	2.25E-02
360.195	4249.375	2.94E+00	1.14E-01	2.74E-04	7.05E-03	7.67E-04	1.97E-02
360.191	4249.427	2.64E+00	1.14E-01	2.74E-04	6.34E-03	7.67E-04	1.78E-02
360.189	4249.503	2.28E+00	1.14E-01	2.74E-04	5.49E-03	7.67E-04	1.54E-02
360.186	4249.569	2.03E+00	1.14E-01	2.74E-04	4.88E-03	7.67E-04	1.37E-02
360.178	4249.644	1.81E+00	1.14E-01	2.74E-04	4.34E-03	7.67E-04	1.22E-02
360.178	4249.719	1.63E+00	1.14E-01	2.74E-04	3.91E-03	7.67E-04	1.09E-02
360.186	4249.823	1.43E+00	1.14E-01	2.74E-04	3.43E-03	7.67E-04	9.60E-03
360.188	4249.929	1.23E+00	1.14E-01	2.74E-04	2.96E-03	7.67E-04	8.27E-03
360.18	4250.032	1.07E+00	1.14E-01	2.74E-04	2.57E-03	7.67E-04	7.20E-03
360.091	4250.02	9.66E-01	1.14E-01	2.74E-04	2.32E-03	7.67E-04	6.50E-03
360.003	4250.007	8.85E-01	1.14E-01	2.74E-04	2.13E-03	7.67E-04	5.95E-03
359.914	4249.995	8.21E-01	1.14E-01	2.74E-04	1.97E-03	7.67E-04	5.52E-03
360.269	4249.127	5.09E+00	1.14E-01	2.74E-04	1.22E-02	7.67E-04	3.42E-02
360.334	4249.128	5.45E+00	1.14E-01	2.74E-04	1.31E-02	7.67E-04	3.67E-02
360.403	4249.137	6.03E+00	1.14E-01	2.74E-04	1.45E-02	7.67E-04	4.06E-02
360.498	4249.157	7.65E+00	1.14E-01	2.74E-04	1.84E-02	7.67E-04	5.15E-02
360.592	4249.185	7.35E+00	1.14E-01	2.74E-04	1.77E-02	7.67E-04	4.95E-02
360.678	4249.21	5.31E+00	1.14E-01	2.74E-04	1.28E-02	7.67E-04	3.57E-02
360.632	4249.294	4.20E+00	1.14E-01	2.74E-04	1.01E-02	7.67E-04	2.82E-02
360.585	4249.378	3.42E+00	1.14E-01	2.74E-04	8.23E-03	7.67E-04	2.30E-02
360.538	4249.462	2.73E+00	1.14E-01	2.74E-04	6.57E-03	7.67E-04	1.84E-02
360.491	4249.545	2.35E+00	1.14E-01	2.74E-04	5.64E-03	7.67E-04	1.58E-02
360.444	4249.629	1.93E+00	1.14E-01	2.74E-04	4.64E-03	7.67E-04	1.30E-02
360.397	4249.713	1.73E+00	1.14E-01	2.74E-04	4.15E-03	7.67E-04	1.16E-02
360.35	4249.797	1.50E+00	1.14E-01	2.74E-04	3.59E-03	7.67E-04	1.01E-02
360.277	4249.8	1.59E+00	1.14E-01	2.74E-04	3.81E-03	7.67E-04	1.07E-02
360.233	4249.168	4.68E+00	1.14E-01	2.74E-04	1.12E-02	7.67E-04	3.15E-02
360.049	4248.941	4.46E+00	1.14E-01	2.74E-04	1.07E-02	7.67E-04	3.00E-02
359.958	4248.92	3.54E+00	1.14E-01	2.74E-04	8.52E-03	7.67E-04	2.38E-02
359.868	4248.894	2.95E+00	1.14E-01	2.74E-04	7.10E-03	7.67E-04	1.99E-02
359.743	4248.646	2.34E+00	1.14E-01	2.74E-04	5.63E-03	7.67E-04	1.58E-02
359.749	4248.592	2.37E+00	1.14E-01	2.74E-04	5.70E-03	7.67E-04	1.59E-02
359.754	4248.513	2.38E+00	1.14E-01	2.74E-04	5.73E-03	7.67E-04	1.60E-02
359.751	4248.443	2.40E+00	1.14E-01	2.74E-04	5.76E-03	7.67E-04	1.61E-02
359.839	4248.354	2.86E+00	1.14E-01	2.74E-04	6.88E-03	7.67E-04	1.93E-02
359.934	4248.308	3.45E+00	1.14E-01	2.74E-04	8.29E-03	7.67E-04	2.32E-02
360.03	4248.262	4.07E+00	1.14E-01	2.74E-04	9.77E-03	7.67E-04	2.74E-02
360.23	4248.121	7.00E+00	1.14E-01	2.74E-04	1.68E-02	7.67E-04	4.71E-02
360.196	4248.694	8.85E+00	1.14E-01	2.74E-04	2.13E-02	7.67E-04	5.96E-02
360.188	4248.787	8.06E+00	1.14E-01	2.74E-04	1.94E-02	7.67E-04	5.42E-02
360.186	4248.85	7.54E+00	1.14E-01	2.74E-04	1.81E-02	7.67E-04	5.07E-02
360.187	4248.927	6.76E+00	1.14E-01	2.74E-04	1.63E-02	7.67E-04	4.55E-02
360.728	4248.992	1.15E+01	1.14E-01	2.74E-04	2.76E-02	7.67E-04	7.74E-02
360.4	4248.912	1.59E+01	1.14E-01	2.74E-04	3.82E-02	7.67E-04	1.07E-01
360.341	4248.904	1.29E+01	1.14E-01	2.74E-04	3.09E-02	7.67E-04	8.65E-02
360.253	4248.902	8.97E+00	1.14E-01	2.74E-04	2.16E-02	7.67E-04	6.03E-02
360.239	4248.398	8.61E+00	1.14E-01	2.74E-04	2.07E-02	7.67E-04	5.79E-02
360.289	4248.002	1.17E+01	1.14E-01	2.74E-04	2.80E-02	7.67E-04	7.85E-02
360.302	4247.704	1.87E+02	1.14E-01	2.74E-04	4.50E-01	7.67E-04	1.26E+00
360.305	4247.6	1.45E+01	1.14E-01	2.74E-04	3.48E-02	7.67E-04	9.74E-02

NON-CANCER HAZARDS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
1,2,4-TRIMETHYLBENZENE - TASK 3

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	RfD (mg/kg-day)	EXP # (ANC)	ADULT NON-CANCER HQ	EXP # (CNC)	CHILD NON-CANCER HQ
359.832	4249.938	1.43E-01	1.70E-03	2.74E-04	2.31E-02	7.67E-04	6.46E-02
359.84	4249.884	1.55E-01	1.70E-03	2.74E-04	2.50E-02	7.67E-04	7.00E-02
359.86	4249.794	1.80E-01	1.70E-03	2.74E-04	2.90E-02	7.67E-04	8.11E-02
359.875	4249.736	1.99E-01	1.70E-03	2.74E-04	3.20E-02	7.67E-04	8.96E-02
359.806	4249.729	1.85E-01	1.70E-03	2.74E-04	2.98E-02	7.67E-04	8.34E-02
359.818	4249.667	2.05E-01	1.70E-03	2.74E-04	3.30E-02	7.67E-04	9.25E-02
359.827	4249.617	2.21E-01	1.70E-03	2.74E-04	3.56E-02	7.67E-04	9.97E-02
359.836	4249.56	2.41E-01	1.70E-03	2.74E-04	3.89E-02	7.67E-04	1.09E-01
359.849	4249.506	2.65E-01	1.70E-03	2.74E-04	4.28E-02	7.67E-04	1.20E-01
359.888	4249.439	3.11E-01	1.70E-03	2.74E-04	5.02E-02	7.67E-04	1.40E-01
359.939	4249.397	3.63E-01	1.70E-03	2.74E-04	5.85E-02	7.67E-04	1.64E-01
359.984	4249.373	4.07E-01	1.70E-03	2.74E-04	6.56E-02	7.67E-04	1.84E-01
360.032	4249.325	4.82E-01	1.70E-03	2.74E-04	7.78E-02	7.67E-04	2.18E-01
360.068	4249.275	5.56E-01	1.70E-03	2.74E-04	8.95E-02	7.67E-04	2.51E-01
360.088	4249.225	6.30E-01	1.70E-03	2.74E-04	1.02E-01	7.67E-04	2.84E-01
360.06	4249.18	6.43E-01	1.70E-03	2.74E-04	1.04E-01	7.67E-04	2.90E-01
360.115	4249.143	7.03E-01	1.70E-03	2.74E-04	1.13E-01	7.67E-04	3.17E-01
360.171	4249.034	1.10E+00	1.70E-03	2.74E-04	1.78E-01	7.67E-04	4.97E-01
360.171	4249.149	8.63E-01	1.70E-03	2.74E-04	1.39E-01	7.67E-04	3.89E-01
360.198	4249.204	8.17E-01	1.70E-03	2.74E-04	1.32E-01	7.67E-04	3.69E-01
360.2	4249.26	7.31E-01	1.70E-03	2.74E-04	1.18E-01	7.67E-04	3.30E-01
360.199	4249.312	6.54E-01	1.70E-03	2.74E-04	1.05E-01	7.67E-04	2.95E-01
360.195	4249.375	5.69E-01	1.70E-03	2.74E-04	9.18E-02	7.67E-04	2.57E-01
360.191	4249.427	5.09E-01	1.70E-03	2.74E-04	8.20E-02	7.67E-04	2.30E-01
360.189	4249.503	4.36E-01	1.70E-03	2.74E-04	7.02E-02	7.67E-04	1.97E-01
360.186	4249.569	3.83E-01	1.70E-03	2.74E-04	6.17E-02	7.67E-04	1.73E-01
360.178	4249.644	3.40E-01	1.70E-03	2.74E-04	5.48E-02	7.67E-04	1.53E-01
360.178	4249.719	3.04E-01	1.70E-03	2.74E-04	4.90E-02	7.67E-04	1.37E-01
360.186	4249.823	2.63E-01	1.70E-03	2.74E-04	4.24E-02	7.67E-04	1.19E-01
360.188	4249.929	2.23E-01	1.70E-03	2.74E-04	3.59E-02	7.67E-04	1.00E-01
360.18	4250.032	1.92E-01	1.70E-03	2.74E-04	3.10E-02	7.67E-04	8.66E-02
360.091	4250.02	1.72E-01	1.70E-03	2.74E-04	2.77E-02	7.67E-04	7.75E-02
360.003	4250.007	1.56E-01	1.70E-03	2.74E-04	2.52E-02	7.67E-04	7.05E-02
359.914	4249.995	1.45E-01	1.70E-03	2.74E-04	2.33E-02	7.67E-04	6.52E-02
360.269	4249.127	1.08E+00	1.70E-03	2.74E-04	1.74E-01	7.67E-04	4.88E-01
360.334	4249.128	1.20E+00	1.70E-03	2.74E-04	1.94E-01	7.67E-04	5.42E-01
360.403	4249.137	1.35E+00	1.70E-03	2.74E-04	2.18E-01	7.67E-04	6.10E-01
360.498	4249.157	1.64E+00	1.70E-03	2.74E-04	2.64E-01	7.67E-04	7.40E-01
360.592	4249.185	1.52E+00	1.70E-03	2.74E-04	2.45E-01	7.67E-04	6.85E-01
360.678	4249.21	1.09E+00	1.70E-03	2.74E-04	1.76E-01	7.67E-04	4.92E-01
360.632	4249.294	8.47E-01	1.70E-03	2.74E-04	1.37E-01	7.67E-04	3.82E-01
360.585	4249.378	6.77E-01	1.70E-03	2.74E-04	1.09E-01	7.67E-04	3.05E-01
360.538	4249.462	5.27E-01	1.70E-03	2.74E-04	8.50E-02	7.67E-04	2.38E-01
360.491	4249.545	4.48E-01	1.70E-03	2.74E-04	7.23E-02	7.67E-04	2.02E-01
360.444	4249.629	3.59E-01	1.70E-03	2.74E-04	5.78E-02	7.67E-04	1.62E-01
360.397	4249.713	3.20E-01	1.70E-03	2.74E-04	5.16E-02	7.67E-04	1.44E-01
360.35	4249.797	2.73E-01	1.70E-03	2.74E-04	4.41E-02	7.67E-04	1.23E-01
360.277	4249.8	2.93E-01	1.70E-03	2.74E-04	4.73E-02	7.67E-04	1.32E-01
360.233	4249.168	9.55E-01	1.70E-03	2.74E-04	1.54E-01	7.67E-04	4.31E-01
360.049	4248.941	8.70E-01	1.70E-03	2.74E-04	1.40E-01	7.67E-04	3.93E-01
359.958	4248.92	6.64E-01	1.70E-03	2.74E-04	1.07E-01	7.67E-04	2.99E-01
359.868	4248.894	5.34E-01	1.70E-03	2.74E-04	8.61E-02	7.67E-04	2.41E-01
359.743	4248.646	4.04E-01	1.70E-03	2.74E-04	6.52E-02	7.67E-04	1.82E-01
359.749	4248.592	4.06E-01	1.70E-03	2.74E-04	6.54E-02	7.67E-04	1.83E-01
359.754	4248.513	4.01E-01	1.70E-03	2.74E-04	6.47E-02	7.67E-04	1.81E-01
359.751	4248.443	3.92E-01	1.70E-03	2.74E-04	6.32E-02	7.67E-04	1.77E-01
359.839	4248.354	4.65E-01	1.70E-03	2.74E-04	7.50E-02	7.67E-04	2.10E-01
359.934	4248.308	5.53E-01	1.70E-03	2.74E-04	8.92E-02	7.67E-04	2.50E-01
360.03	4248.262	6.62E-01	1.70E-03	2.74E-04	1.07E-01	7.67E-04	2.99E-01
360.23	4248.121	9.37E-01	1.70E-03	2.74E-04	1.51E-01	7.67E-04	4.23E-01
360.196	4248.694	1.78E+00	1.70E-03	2.74E-04	2.86E-01	7.67E-04	8.02E-01
360.188	4248.787	1.65E+00	1.70E-03	2.74E-04	2.66E-01	7.67E-04	7.45E-01
360.186	4248.85	1.56E+00	1.70E-03	2.74E-04	2.51E-01	7.67E-04	7.02E-01
360.187	4248.927	1.41E+00	1.70E-03	2.74E-04	2.27E-01	7.67E-04	6.36E-01
360.728	4248.992	2.44E+00	1.70E-03	2.74E-04	3.93E-01	7.67E-04	1.10E+00
360.4	4248.912	3.87E+00	1.70E-03	2.74E-04	6.24E-01	7.67E-04	1.75E+00
360.341	4248.904	3.07E+00	1.70E-03	2.74E-04	4.94E-01	7.67E-04	1.38E+00
360.253	4248.902	1.93E+00	1.70E-03	2.74E-04	3.11E-01	7.67E-04	8.70E-01
360.239	4248.398	1.69E+00	1.70E-03	2.74E-04	2.72E-01	7.67E-04	7.61E-01
360.289	4248.002	1.34E+00	1.70E-03	2.74E-04	2.16E-01	7.67E-04	6.04E-01
360.302	4247.704	1.81E+01	1.70E-03	2.74E-04	2.92E+00	7.67E-04	8.17E+00
360.305	4247.6	8.53E-01	1.70E-03	2.74E-04	1.37E-01	7.67E-04	3.85E-01

8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
ARSENIC - TASK 3

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	CSF (mg/kg-day)$^{-1}$	EXP # (LC) (mg-m^3/ug-kg-day)	LIFETIME CANCER RISK	EXP #(AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	9.45E-04	1.51E+01	1.60E-04	2.28E-06	9.39E-05	1.34E-06	6.58E-05	9.39E-07
359.84	4249.884	9.90E-04	1.51E+01	1.60E-04	2.39E-06	9.39E-05	1.40E-06	6.58E-05	9.83E-07
359.86	4249.794	1.09E-03	1.51E+01	1.60E-04	2.63E-06	9.39E-05	1.55E-06	6.58E-05	1.08E-06
359.875	4249.736	1.16E-03	1.51E+01	1.60E-04	2.80E-06	9.39E-05	1.65E-06	6.58E-05	1.15E-06
359.806	4249.729	1.09E-03	1.51E+01	1.60E-04	2.64E-06	9.39E-05	1.55E-06	6.58E-05	1.09E-06
359.818	4249.667	1.17E-03	1.51E+01	1.60E-04	2.81E-06	9.39E-05	1.65E-06	6.58E-05	1.16E-06
359.827	4249.617	1.22E-03	1.51E+01	1.60E-04	2.93E-06	9.39E-05	1.73E-06	6.58E-05	1.21E-06
359.836	4249.56	1.27E-03	1.51E+01	1.60E-04	3.07E-06	9.39E-05	1.80E-06	6.58E-05	1.26E-06
359.849	4249.506	1.33E-03	1.51E+01	1.60E-04	3.22E-06	9.39E-05	1.89E-06	6.58E-05	1.33E-06
359.888	4249.439	1.48E-03	1.51E+01	1.60E-04	3.57E-06	9.39E-05	2.10E-06	6.58E-05	1.47E-06
359.939	4249.397	1.66E-03	1.51E+01	1.60E-04	4.01E-06	9.39E-05	2.36E-06	6.58E-05	1.65E-06
359.984	4249.373	1.80E-03	1.51E+01	1.60E-04	4.35E-06	9.39E-05	2.56E-06	6.58E-05	1.79E-06
360.032	4249.325	2.03E-03	1.51E+01	1.60E-04	4.90E-06	9.39E-05	2.88E-06	6.58E-05	2.02E-06
360.068	4249.275	2.20E-03	1.51E+01	1.60E-04	5.30E-06	9.39E-05	3.11E-06	6.58E-05	2.18E-06
360.088	4249.225	2.35E-03	1.51E+01	1.60E-04	5.67E-06	9.39E-05	3.33E-06	6.58E-05	2.33E-06
360.06	4249.18	2.37E-03	1.51E+01	1.60E-04	5.71E-06	9.39E-05	3.36E-06	6.58E-05	2.35E-06
360.115	4249.143	2.60E-03	1.51E+01	1.60E-04	6.26E-06	9.39E-05	3.68E-06	6.58E-05	2.58E-06
360.171	4249.034	3.29E-03	1.51E+01	1.60E-04	7.92E-06	9.39E-05	4.66E-06	6.58E-05	3.26E-06
360.171	4249.149	2.72E-03	1.51E+01	1.60E-04	6.55E-06	9.39E-05	3.85E-06	6.58E-05	2.70E-06
360.198	4249.204	2.59E-03	1.51E+01	1.60E-04	6.25E-06	9.39E-05	3.68E-06	6.58E-05	2.57E-06
360.2	4249.26	2.45E-03	1.51E+01	1.60E-04	5.90E-06	9.39E-05	3.47E-06	6.58E-05	2.43E-06
360.199	4249.312	2.31E-03	1.51E+01	1.60E-04	5.57E-06	9.39E-05	3.27E-06	6.58E-05	2.29E-06
360.195	4249.375	2.13E-03	1.51E+01	1.60E-04	5.14E-06	9.39E-05	3.02E-06	6.58E-05	2.11E-06
360.191	4249.427	1.99E-03	1.51E+01	1.60E-04	4.79E-06	9.39E-05	2.82E-06	6.58E-05	1.97E-06
360.189	4249.503	1.83E-03	1.51E+01	1.60E-04	4.42E-06	9.39E-05	2.60E-06	6.58E-05	1.82E-06
360.186	4249.569	1.72E-03	1.51E+01	1.60E-04	4.15E-06	9.39E-05	2.44E-06	6.58E-05	1.71E-06
360.178	4249.644	1.63E-03	1.51E+01	1.60E-04	3.92E-06	9.39E-05	2.30E-06	6.58E-05	1.61E-06
360.178	4249.719	1.52E-03	1.51E+01	1.60E-04	3.66E-06	9.39E-05	2.15E-06	6.58E-05	1.51E-06
360.186	4249.823	1.38E-03	1.51E+01	1.60E-04	3.33E-06	9.39E-05	1.96E-06	6.58E-05	1.37E-06
360.188	4249.929	1.24E-03	1.51E+01	1.60E-04	2.99E-06	9.39E-05	1.76E-06	6.58E-05	1.23E-06
360.18	4250.032	1.16E-03	1.51E+01	1.60E-04	2.80E-06	9.39E-05	1.65E-06	6.58E-05	1.15E-06
360.091	4250.02	1.13E-03	1.51E+01	1.60E-04	2.72E-06	9.39E-05	1.60E-06	6.58E-05	1.12E-06
360.003	4250.007	1.06E-03	1.51E+01	1.60E-04	2.56E-06	9.39E-05	1.50E-06	6.58E-05	1.05E-06
359.914	4249.995	9.91E-04	1.51E+01	1.60E-04	2.39E-06	9.39E-05	1.41E-06	6.58E-05	9.84E-07
360.269	4249.127	2.86E-03	1.51E+01	1.60E-04	6.90E-06	9.39E-05	4.06E-06	6.58E-05	2.84E-06
360.334	4249.128	2.88E-03	1.51E+01	1.60E-04	6.93E-06	9.39E-05	4.08E-06	6.58E-05	2.85E-06
360.403	4249.137	2.81E-03	1.51E+01	1.60E-04	6.79E-06	9.39E-05	3.99E-06	6.58E-05	2.79E-06
360.498	4249.157	2.66E-03	1.51E+01	1.60E-04	6.41E-06	9.39E-05	3.77E-06	6.58E-05	2.64E-06
360.592	4249.185	2.48E-03	1.51E+01	1.60E-04	5.98E-06	9.39E-05	3.52E-06	6.58E-05	2.46E-06
360.678	4249.21	2.21E-03	1.51E+01	1.60E-04	5.33E-06	9.39E-05	3.13E-06	6.58E-05	2.19E-06
360.632	4249.294	2.19E-03	1.51E+01	1.60E-04	5.28E-06	9.39E-05	3.10E-06	6.58E-05	2.17E-06
360.585	4249.378	2.13E-03	1.51E+01	1.60E-04	5.13E-06	9.39E-05	3.02E-06	6.58E-05	2.11E-06
360.538	4249.462	2.02E-03	1.51E+01	1.60E-04	4.87E-06	9.39E-05	2.86E-06	6.58E-05	2.01E-06
360.491	4249.545	1.92E-03	1.51E+01	1.60E-04	4.62E-06	9.39E-05	2.72E-06	6.58E-05	1.90E-06
360.444	4249.629	1.79E-03	1.51E+01	1.60E-04	4.30E-06	9.39E-05	2.53E-06	6.58E-05	1.77E-06
360.397	4249.713	1.66E-03	1.51E+01	1.60E-04	4.00E-06	9.39E-05	2.35E-06	6.58E-05	1.65E-06
360.35	4249.797	1.51E-03	1.51E+01	1.60E-04	3.64E-06	9.39E-05	2.14E-06	6.58E-05	1.50E-06
360.277	4249.8	1.46E-03	1.51E+01	1.60E-04	3.51E-06	9.39E-05	2.07E-06	6.58E-05	1.45E-06
360.233	4249.168	2.73E-03	1.51E+01	1.60E-04	6.59E-06	9.39E-05	3.88E-06	6.58E-05	2.71E-06
360.049	4248.941	3.29E-03	1.51E+01	1.60E-04	7.92E-06	9.39E-05	4.66E-06	6.58E-05	3.26E-06
359.958	4248.92	2.46E-03	1.51E+01	1.60E-04	5.92E-06	9.39E-05	3.48E-06	6.58E-05	2.44E-06
359.868	4248.894	2.23E-03	1.51E+01	1.60E-04	5.37E-06	9.39E-05	3.16E-06	6.58E-05	2.21E-06
359.743	4248.646	1.95E-03	1.51E+01	1.60E-04	4.71E-06	9.39E-05	2.77E-06	6.58E-05	1.94E-06
359.749	4248.592	1.92E-03	1.51E+01	1.60E-04	4.64E-06	9.39E-05	2.73E-06	6.58E-05	1.91E-06
359.754	4248.513	1.72E-03	1.51E+01	1.60E-04	4.14E-06	9.39E-05	2.44E-06	6.58E-05	1.71E-06
359.751	4248.443	1.67E-03	1.51E+01	1.60E-04	4.04E-06	9.39E-05	2.37E-06	6.58E-05	1.66E-06
359.839	4248.354	2.23E-03	1.51E+01	1.60E-04	5.37E-06	9.39E-05	3.16E-06	6.58E-05	2.21E-06
359.934	4248.308	3.56E-03	1.51E+01	1.60E-04	8.58E-06	9.39E-05	5.05E-06	6.58E-05	3.53E-06
360.03	4248.262	6.67E-03	1.51E+01	1.60E-04	1.61E-05	9.39E-05	9.46E-06	6.58E-05	6.63E-06
360.23	4248.121	1.97E-02	1.51E+01	1.60E-04	4.74E-05	9.39E-05	2.79E-05	6.58E-05	1.95E-05
360.196	4248.694	6.41E-03	1.51E+01	1.60E-04	1.55E-05	9.39E-05	9.09E-06	6.58E-05	6.37E-06
360.188	4248.787	4.86E-03	1.51E+01	1.60E-04	1.17E-05	9.39E-05	6.89E-06	6.58E-05	4.82E-06
360.186	4248.85	4.25E-03	1.51E+01	1.60E-04	1.03E-05	9.39E-05	6.03E-06	6.58E-05	4.22E-06
360.187	4248.927	3.86E-03	1.51E+01	1.60E-04	9.31E-06	9.39E-05	5.47E-06	6.58E-05	3.83E-06
360.728	4248.992	2.19E-03	1.51E+01	1.60E-04	5.28E-06	9.39E-05	3.11E-06	6.58E-05	2.17E-06
360.4	4248.912	3.52E-03	1.51E+01	1.60E-04	8.48E-06	9.39E-05	4.99E-06	6.58E-05	3.49E-06
360.341	4248.904	3.71E-03	1.51E+01	1.60E-04	8.96E-06	9.39E-05	5.27E-06	6.58E-05	3.69E-06
360.253	4248.902	3.87E-03	1.51E+01	1.60E-04	9.33E-06	9.39E-05	5.49E-06	6.58E-05	3.84E-06
360.239	4248.398	2.46E-02	1.51E+01	1.60E-04	5.92E-05	9.39E-05	3.48E-05	6.58E-05	2.44E-05
360.289	4248.002	6.53E-03	1.51E+01	1.60E-04	1.58E-05	9.39E-05	9.26E-06	6.58E-05	6.49E-06
360.302	4247.704	1.57E-03	1.51E+01	1.60E-04	3.79E-06	9.39E-05	2.23E-06	6.58E-05	1.56E-06
360.305	4247.6	1.28E-03	1.51E+01	1.60E-04	3.08E-06	9.39E-05	1.81E-06	6.58E-05	1.27E-06
360.302	4247.5	1.05E-03	1.51E+01	1.60E-04	2.54E-06	9.39E-05	1.49E-06	6.58E-05	1.05E-06
360.301	4247.402	8.61E-04	1.51E+01	1.60E-04	2.08E-06	9.39E-05	1.22E-06	6.58E-05	8.55E-07
360.293	4247.104	6.37E-04	1.51E+01	1.60E-04	1.54E-06	9.39E-05	9.03E-07	6.58E-05	6.32E-07
360.296	4246.694	4.49E-04	1.51E+01	1.60E-04	1.08E-06	9.39E-05	6.36E-07	6.58E-05	4.46E-07
360.295	4246.592	4.16E-04	1.51E+01	1.60E-04	1.00E-06	9.39E-05	5.90E-07	6.58E-05	4.13E-07
360.298	4246.497	3.84E-04	1.51E+01	1.60E-04	9.27E-07	9.39E-05	5.45E-07	6.58E-05	3.82E-07
360.3	4246.446	3.73E-04	1.51E+01	1.60E-04	8.99E-07	9.39E-05	5.28E-07	6.58E-05	3.70E-07
360.299	4246.33	3.53E-04	1.51E+01	1.60E-04	8.51E-07	9.39E-05	5.01E-07	6.58E-05	3.51E-07
360.328	4246.639	4.13E-04	1.51E+01	1.60E-04	9.95E-07	9.39E-05	5.85E-07	6.58E-05	4.10E-07
360.337	4246.747	4.32E-04	1.51E+01	1.60E-04	1.04E-06	9.39E-05	6.13E-07	6.58E-05	4.29E-07
360.383	4246.773	4.28E-04	1.51E+01	1.60E-04	1.03E-06	9.39E-05	6.07E-07	6.58E-05	4.25E-07
360.404	4246.9	4.79E-04	1.51E+01	1.60E-04	1.16E-06	9.39E-05	6.79E-07	6.58E-05	4.76E-07
360.413	4246.998	5.32E-04	1.51E+01	1.60E-04	1.28E-06	9.39E-05	7.55E-07	6.58E-05	5.29E-07
360.428	4247.101	5.97E-04	1.51E+01	1.60E-04	1.44E-06	9.39E-05	8.46E-07	6.58E-05	5.93E-07
360.395	4247.146	5.86E-04	1.51E+01	1.60E-04	1.41E-06	9.39E-05	8.31E-07	6.58E-05	5.82E-07
360.41	4247.229	6.22E-04	1.51E+01	1.60E-04	1.50E-06	9.39E-05	8.82E-07	6.58E-05	6.17E-07
360.426	4247.312	6.97E-04	1.51E+01	1.60E-04	1.68E-06	9.39E-05	9.88E-07	6.58E-05	6.92E-07
360.481	4247.39	8.99E-04	1.51E+01	1.60E-04	2.17E-06	9.39E-05	1.27E-06	6.58E-05	8.93E-07
360.513	4247.475	1.14E-03	1.51E+01	1.60E-04	2.75E-06	9.39E-05	1.62E-06	6.58E-05	1.13E-06
360.546	4247.561	1.44E-03	1.51E+01	1.60E-04	3.47E-06	9.39E-05	2.04E-06	6.58E-05	1.43E-06

8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
BENZENE - TASK 3

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	CSF (mg/kg-day)$^{-1}$	EXP # (LC) (mg-m^3/ug-kg-day)	LIFETIME CANCER RISK	EXP #(AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	5.71E-01	2.90E-02	1.60E-04	2.64E-06	9.39E-05	1.55E-06	6.58E-05	1.09E-06
359.84	4249.884	6.06E-01	2.90E-02	1.60E-04	2.81E-06	9.39E-05	1.65E-06	6.58E-05	1.16E-06
359.86	4249.794	6.80E-01	2.90E-02	1.60E-04	3.15E-06	9.39E-05	1.85E-06	6.58E-05	1.30E-06
359.875	4249.736	7.35E-01	2.90E-02	1.60E-04	3.40E-06	9.39E-05	2.00E-06	6.58E-05	1.40E-06
359.806	4249.729	6.91E-01	2.90E-02	1.60E-04	3.20E-06	9.39E-05	1.88E-06	6.58E-05	1.32E-06
359.818	4249.667	7.50E-01	2.90E-02	1.60E-04	3.47E-06	9.39E-05	2.04E-06	6.58E-05	1.43E-06
359.827	4249.617	8.00E-01	2.90E-02	1.60E-04	3.71E-06	9.39E-05	2.18E-06	6.58E-05	1.53E-06
359.836	4249.56	8.62E-01	2.90E-02	1.60E-04	3.99E-06	9.39E-05	2.35E-06	6.58E-05	1.64E-06
359.849	4249.506	9.30E-01	2.90E-02	1.60E-04	4.31E-06	9.39E-05	2.53E-06	6.58E-05	1.77E-06
359.888	4249.439	1.05E+00	2.90E-02	1.60E-04	4.87E-06	9.39E-05	2.87E-06	6.58E-05	2.01E-06
359.939	4249.397	1.18E+00	2.90E-02	1.60E-04	5.47E-06	9.39E-05	3.21E-06	6.58E-05	2.25E-06
359.984	4249.373	1.29E+00	2.90E-02	1.60E-04	5.95E-06	9.39E-05	3.50E-06	6.58E-05	2.45E-06
360.032	4249.325	1.46E+00	2.90E-02	1.60E-04	6.77E-06	9.39E-05	3.98E-06	6.58E-05	2.79E-06
360.068	4249.275	1.64E+00	2.90E-02	1.60E-04	7.58E-06	9.39E-05	4.46E-06	6.58E-05	3.12E-06
360.088	4249.225	1.81E+00	2.90E-02	1.60E-04	8.36E-06	9.39E-05	4.92E-06	6.58E-05	3.44E-06
360.06	4249.18	1.84E+00	2.90E-02	1.60E-04	8.50E-06	9.39E-05	5.00E-06	6.58E-05	3.50E-06
360.115	4249.143	2.00E+00	2.90E-02	1.60E-04	9.27E-06	9.39E-05	5.45E-06	6.58E-05	3.82E-06
360.171	4249.034	2.78E+00	2.90E-02	1.60E-04	1.29E-05	9.39E-05	7.56E-06	6.58E-05	5.29E-06
360.171	4249.149	2.29E+00	2.90E-02	1.60E-04	1.06E-05	9.39E-05	6.22E-06	6.58E-05	4.36E-06
360.198	4249.204	2.19E+00	2.90E-02	1.60E-04	1.02E-05	9.39E-05	5.97E-06	6.58E-05	4.18E-06
360.2	4249.26	2.01E+00	2.90E-02	1.60E-04	9.33E-06	9.39E-05	5.48E-06	6.58E-05	3.84E-06
360.199	4249.312	1.85E+00	2.90E-02	1.60E-04	8.58E-06	9.39E-05	5.04E-06	6.58E-05	3.53E-06
360.195	4249.375	1.67E+00	2.90E-02	1.60E-04	7.71E-06	9.39E-05	4.53E-06	6.58E-05	3.18E-06
360.191	4249.427	1.53E+00	2.90E-02	1.60E-04	7.08E-06	9.39E-05	4.16E-06	6.58E-05	2.91E-06
360.189	4249.503	1.37E+00	2.90E-02	1.60E-04	6.35E-06	9.39E-05	3.74E-06	6.58E-05	2.62E-06
360.186	4249.569	1.25E+00	2.90E-02	1.60E-04	5.80E-06	9.39E-05	3.41E-06	6.58E-05	2.39E-06
360.178	4249.644	1.14E+00	2.90E-02	1.60E-04	5.27E-06	9.39E-05	3.10E-06	6.58E-05	2.17E-06
360.178	4249.719	1.05E+00	2.90E-02	1.60E-04	4.84E-06	9.39E-05	2.85E-06	6.58E-05	1.99E-06
360.186	4249.823	9.36E-01	2.90E-02	1.60E-04	4.34E-06	9.39E-05	2.55E-06	6.58E-05	1.79E-06
360.188	4249.929	8.28E-01	2.90E-02	1.60E-04	3.84E-06	9.39E-05	2.26E-06	6.58E-05	1.58E-06
360.18	4250.032	7.36E-01	2.90E-02	1.60E-04	3.41E-06	9.39E-05	2.00E-06	6.58E-05	1.40E-06
360.091	4250.02	6.76E-01	2.90E-02	1.60E-04	3.13E-06	9.39E-05	1.84E-06	6.58E-05	1.29E-06
360.003	4250.007	6.26E-01	2.90E-02	1.60E-04	2.90E-06	9.39E-05	1.70E-06	6.58E-05	1.19E-06
359.914	4249.995	5.84E-01	2.90E-02	1.60E-04	2.70E-06	9.39E-05	1.59E-06	6.58E-05	1.11E-06
360.269	4249.127	2.70E+00	2.90E-02	1.60E-04	1.25E-05	9.39E-05	7.35E-06	6.58E-05	5.15E-06
360.334	4249.128	2.90E+00	2.90E-02	1.60E-04	1.35E-05	9.39E-05	7.91E-06	6.58E-05	5.54E-06
360.403	4249.137	3.12E+00	2.90E-02	1.60E-04	1.44E-05	9.39E-05	8.49E-06	6.58E-05	5.94E-06
360.498	4249.157	3.50E+00	2.90E-02	1.60E-04	1.62E-05	9.39E-05	9.52E-06	6.58E-05	6.67E-06
360.592	4249.185	3.34E+00	2.90E-02	1.60E-04	1.55E-05	9.39E-05	9.09E-06	6.58E-05	6.37E-06
360.678	4249.21	2.71E+00	2.90E-02	1.60E-04	1.25E-05	9.39E-05	7.38E-06	6.58E-05	5.17E-06
360.632	4249.294	2.26E+00	2.90E-02	1.60E-04	1.05E-05	9.39E-05	6.17E-06	6.58E-05	4.32E-06
360.585	4249.378	1.94E+00	2.90E-02	1.60E-04	8.96E-06	9.39E-05	5.27E-06	6.58E-05	3.69E-06
360.538	4249.462	1.65E+00	2.90E-02	1.60E-04	7.65E-06	9.39E-05	4.50E-06	6.58E-05	3.15E-06
360.491	4249.545	1.48E+00	2.90E-02	1.60E-04	6.84E-06	9.39E-05	4.02E-06	6.58E-05	2.81E-06
360.444	4249.629	1.28E+00	2.90E-02	1.60E-04	5.91E-06	9.39E-05	3.48E-06	6.58E-05	2.43E-06
360.397	4249.713	1.16E+00	2.90E-02	1.60E-04	5.37E-06	9.39E-05	3.16E-06	6.58E-05	2.21E-06
360.35	4249.797	1.03E+00	2.90E-02	1.60E-04	4.77E-06	9.39E-05	2.80E-06	6.58E-05	1.96E-06
360.277	4249.8	1.03E+00	2.90E-02	1.60E-04	4.77E-06	9.39E-05	2.81E-06	6.58E-05	1.96E-06
360.233	4249.168	2.46E+00	2.90E-02	1.60E-04	1.14E-05	9.39E-05	6.69E-06	6.58E-05	4.68E-06
360.049	4248.941	2.46E+00	2.90E-02	1.60E-04	1.14E-05	9.39E-05	6.70E-06	6.58E-05	4.69E-06
359.958	4248.92	2.07E+00	2.90E-02	1.60E-04	9.60E-06	9.39E-05	5.64E-06	6.58E-05	3.95E-06
359.868	4248.894	1.87E+00	2.90E-02	1.60E-04	8.67E-06	9.39E-05	5.10E-06	6.58E-05	3.57E-06
359.743	4248.646	1.71E+00	2.90E-02	1.60E-04	7.92E-06	9.39E-05	4.66E-06	6.58E-05	3.26E-06
359.749	4248.592	1.73E+00	2.90E-02	1.60E-04	8.02E-06	9.39E-05	4.72E-06	6.58E-05	3.30E-06
359.754	4248.513	1.76E+00	2.90E-02	1.60E-04	8.16E-06	9.39E-05	4.80E-06	6.58E-05	3.36E-06
359.751	4248.443	1.81E+00	2.90E-02	1.60E-04	8.37E-06	9.39E-05	4.92E-06	6.58E-05	3.45E-06
359.839	4248.354	2.27E+00	2.90E-02	1.60E-04	1.05E-05	9.39E-05	6.19E-06	6.58E-05	4.33E-06
359.934	4248.308	2.88E+00	2.90E-02	1.60E-04	1.33E-05	9.39E-05	7.84E-06	6.58E-05	5.49E-06
360.03	4248.262	3.73E+00	2.90E-02	1.60E-04	1.73E-05	9.39E-05	1.01E-05	6.58E-05	7.10E-06
360.23	4248.121	9.69E+00	2.90E-02	1.60E-04	4.49E-05	9.39E-05	2.64E-05	6.58E-05	1.85E-05
360.196	4248.694	4.80E+00	2.90E-02	1.60E-04	2.22E-05	9.39E-05	1.31E-05	6.58E-05	9.15E-06
360.188	4248.787	4.15E+00	2.90E-02	1.60E-04	1.92E-05	9.39E-05	1.13E-05	6.58E-05	7.91E-06
360.186	4248.85	3.78E+00	2.90E-02	1.60E-04	1.75E-05	9.39E-05	1.03E-05	6.58E-05	7.22E-06
360.187	4248.927	3.39E+00	2.90E-02	1.60E-04	1.57E-05	9.39E-05	9.24E-06	6.58E-05	6.47E-06
360.728	4248.992	4.98E+00	2.90E-02	1.60E-04	2.31E-05	9.39E-05	1.36E-05	6.58E-05	9.50E-06
360.4	4248.912	6.24E+00	2.90E-02	1.60E-04	2.89E-05	9.39E-05	1.70E-05	6.58E-05	1.19E-05
360.341	4248.904	5.49E+00	2.90E-02	1.60E-04	2.54E-05	9.39E-05	1.50E-05	6.58E-05	1.05E-05
360.253	4248.902	4.20E+00	2.90E-02	1.60E-04	1.94E-05	9.39E-05	1.14E-05	6.58E-05	8.00E-06
360.239	4248.398	6.60E+00	2.90E-02	1.60E-04	3.06E-05	9.39E-05	1.80E-05	6.58E-05	1.26E-05
360.289	4248.002	1.98E+01	2.90E-02	1.60E-04	9.15E-05	9.39E-05	5.38E-05	6.58E-05	3.77E-05
360.302	4247.704	2.17E+02	2.90E-02	1.60E-04	1.00E-03	9.39E-05	5.90E-04	6.58E-05	4.13E-04
360.305	4247.6	1.30E+01	2.90E-02	1.60E-04	6.03E-05	9.39E-05	3.55E-05	6.58E-05	2.48E-05
360.302	4247.5	7.45E+00	2.90E-02	1.60E-04	3.45E-05	9.39E-05	2.03E-05	6.58E-05	1.42E-05
360.301	4247.402	4.56E+00	2.90E-02	1.60E-04	2.11E-05	9.39E-05	1.24E-05	6.58E-05	8.70E-06
360.293	4247.104	1.23E+00	2.90E-02	1.60E-04	5.68E-06	9.39E-05	3.34E-06	6.58E-05	2.34E-06
360.296	4246.694	5.28E-01	2.90E-02	1.60E-04	2.45E-06	9.39E-05	1.44E-06	6.58E-05	1.01E-06
360.295	4246.592	4.55E-01	2.90E-02	1.60E-04	2.11E-06	9.39E-05	1.24E-06	6.58E-05	8.68E-07
360.298	4246.497	3.88E-01	2.90E-02	1.60E-04	1.80E-06	9.39E-05	1.06E-06	6.58E-05	7.39E-07
360.3	4246.446	3.62E-01	2.90E-02	1.60E-04	1.68E-06	9.39E-05	9.87E-07	6.58E-05	6.91E-07
360.299	4246.33	3.21E-01	2.90E-02	1.60E-04	1.49E-06	9.39E-05	8.74E-07	6.58E-05	6.12E-07
360.328	4246.639	4.79E-01	2.90E-02	1.60E-04	2.22E-06	9.39E-05	1.30E-06	6.58E-05	9.12E-07
360.337	4246.747	5.32E-01	2.90E-02	1.60E-04	2.46E-06	9.39E-05	1.45E-06	6.58E-05	1.01E-06
360.383	4246.773	5.50E-01	2.90E-02	1.60E-04	2.55E-06	9.39E-05	1.50E-06	6.58E-05	1.05E-06
360.404	4246.9	7.27E-01	2.90E-02	1.60E-04	3.37E-06	9.39E-05	1.98E-06	6.58E-05	1.39E-06
360.413	4246.998	9.13E-01	2.90E-02	1.60E-04	4.23E-06	9.39E-05	2.49E-06	6.58E-05	1.74E-06
360.428	4247.101	1.26E+00	2.90E-02	1.60E-04	5.82E-06	9.39E-05	3.42E-06	6.58E-05	2.40E-06
360.395	4247.146	1.41E+00	2.90E-02	1.60E-04	6.52E-06	9.39E-05	3.84E-06	6.58E-05	2.69E-06
360.41	4247.229	2.01E+00	2.90E-02	1.60E-04	9.30E-06	9.39E-05	5.47E-06	6.58E-05	3.83E-06
360.426	4247.312	2.60E+00	2.90E-02	1.60E-04	1.20E-05	9.39E-05	7.08E-06	6.58E-05	4.96E-06
360.481	4247.39	4.24E+00	2.90E-02	1.60E-04	1.96E-05	9.39E-05	1.15E-05	6.58E-05	8.08E-06
360.513	4247.475	7.11E+00	2.90E-02	1.60E-04	3.29E-05	9.39E-05	1.93E-05	6.58E-05	1.35E-05
360.546	4247.561	1.20E+01	2.90E-02	1.60E-04	5.56E-05	9.39E-05	3.27E-05	6.58E-05	2.29E-05

8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
1,3-BUTADIENE - TASK 3

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	CSF (mg/kg-day)$^{-1}$	EXP # (LC) (mg-m^3/ug-kg-day)	LIFETIME CANCER RISK	EXP #(AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	1.39E-02	9.80E-01	1.60E-04	2.17E-06	9.39E-05	1.28E-06	6.58E-05	8.94E-07
359.84	4249.884	1.51E-02	9.80E-01	1.60E-04	2.36E-06	9.39E-05	1.39E-06	6.58E-05	9.70E-07
359.86	4249.794	1.75E-02	9.80E-01	1.60E-04	2.73E-06	9.39E-05	1.61E-06	6.58E-05	1.12E-06
359.875	4249.736	1.93E-02	9.80E-01	1.60E-04	3.01E-06	9.39E-05	1.77E-06	6.58E-05	1.24E-06
359.806	4249.729	1.81E-02	9.80E-01	1.60E-04	2.83E-06	9.39E-05	1.66E-06	6.58E-05	1.17E-06
359.818	4249.667	2.01E-02	9.80E-01	1.60E-04	3.14E-06	9.39E-05	1.85E-06	6.58E-05	1.29E-06
359.827	4249.617	2.19E-02	9.80E-01	1.60E-04	3.43E-06	9.39E-05	2.02E-06	6.58E-05	1.41E-06
359.836	4249.56	2.41E-02	9.80E-01	1.60E-04	3.76E-06	9.39E-05	2.21E-06	6.58E-05	1.55E-06
359.849	4249.506	2.64E-02	9.80E-01	1.60E-04	4.12E-06	9.39E-05	2.43E-06	6.58E-05	1.70E-06
359.888	4249.439	3.08E-02	9.80E-01	1.60E-04	4.82E-06	9.39E-05	2.83E-06	6.58E-05	1.98E-06
359.939	4249.397	3.61E-02	9.80E-01	1.60E-04	5.64E-06	9.39E-05	3.32E-06	6.58E-05	2.32E-06
359.984	4249.373	4.04E-02	9.80E-01	1.60E-04	6.32E-06	9.39E-05	3.72E-06	6.58E-05	2.60E-06
360.032	4249.325	4.78E-02	9.80E-01	1.60E-04	7.49E-06	9.39E-05	4.40E-06	6.58E-05	3.08E-06
360.068	4249.275	5.50E-02	9.80E-01	1.60E-04	8.60E-06	9.39E-05	5.06E-06	6.58E-05	3.54E-06
360.088	4249.225	6.20E-02	9.80E-01	1.60E-04	9.70E-06	9.39E-05	5.70E-06	6.58E-05	3.99E-06
360.06	4249.18	6.32E-02	9.80E-01	1.60E-04	9.89E-06	9.39E-05	5.82E-06	6.58E-05	4.07E-06
360.115	4249.143	6.63E-02	9.80E-01	1.60E-04	1.04E-05	9.39E-05	6.10E-06	6.58E-05	4.27E-06
360.171	4249.034	1.07E-01	9.80E-01	1.60E-04	1.67E-05	9.39E-05	9.83E-06	6.58E-05	6.88E-06
360.171	4249.149	8.35E-02	9.80E-01	1.60E-04	1.31E-05	9.39E-05	7.68E-06	6.58E-05	5.38E-06
360.198	4249.204	7.95E-02	9.80E-01	1.60E-04	1.24E-05	9.39E-05	7.31E-06	6.58E-05	5.12E-06
360.2	4249.26	7.15E-02	9.80E-01	1.60E-04	1.12E-05	9.39E-05	6.58E-06	6.58E-05	4.61E-06
360.199	4249.312	6.41E-02	9.80E-01	1.60E-04	1.00E-05	9.39E-05	5.90E-06	6.58E-05	4.13E-06
360.195	4249.375	5.54E-02	9.80E-01	1.60E-04	8.67E-06	9.39E-05	5.10E-06	6.58E-05	3.57E-06
360.191	4249.427	4.92E-02	9.80E-01	1.60E-04	7.70E-06	9.39E-05	4.52E-06	6.58E-05	3.17E-06
360.189	4249.503	4.22E-02	9.80E-01	1.60E-04	6.61E-06	9.39E-05	3.88E-06	6.58E-05	2.72E-06
360.186	4249.569	3.76E-02	9.80E-01	1.60E-04	5.88E-06	9.39E-05	3.46E-06	6.58E-05	2.42E-06
360.178	4249.644	3.31E-02	9.80E-01	1.60E-04	5.18E-06	9.39E-05	3.05E-06	6.58E-05	2.13E-06
360.178	4249.719	2.96E-02	9.80E-01	1.60E-04	4.63E-06	9.39E-05	2.72E-06	6.58E-05	1.91E-06
360.186	4249.823	2.59E-02	9.80E-01	1.60E-04	4.05E-06	9.39E-05	2.38E-06	6.58E-05	1.67E-06
360.188	4249.929	2.21E-02	9.80E-01	1.60E-04	3.46E-06	9.39E-05	2.04E-06	6.58E-05	1.43E-06
360.18	4250.032	1.90E-02	9.80E-01	1.60E-04	2.97E-06	9.39E-05	1.75E-06	6.58E-05	1.22E-06
360.091	4250.02	1.68E-02	9.80E-01	1.60E-04	2.62E-06	9.39E-05	1.54E-06	6.58E-05	1.08E-06
360.003	4250.007	1.51E-02	9.80E-01	1.60E-04	2.37E-06	9.39E-05	1.39E-06	6.58E-05	9.75E-07
359.914	4249.995	1.39E-02	9.80E-01	1.60E-04	2.18E-06	9.39E-05	1.28E-06	6.58E-05	8.98E-07
360.269	4249.127	9.97E-02	9.80E-01	1.60E-04	1.56E-05	9.39E-05	9.18E-06	6.58E-05	6.43E-06
360.334	4249.128	1.07E-01	9.80E-01	1.60E-04	1.68E-05	9.39E-05	9.89E-06	6.58E-05	6.92E-06
360.403	4249.137	1.21E-01	9.80E-01	1.60E-04	1.90E-05	9.39E-05	1.12E-05	6.58E-05	7.81E-06
360.498	4249.157	1.60E-01	9.80E-01	1.60E-04	2.51E-05	9.39E-05	1.48E-05	6.58E-05	1.03E-05
360.592	4249.185	1.54E-01	9.80E-01	1.60E-04	2.40E-05	9.39E-05	1.41E-05	6.58E-05	9.89E-06
360.678	4249.21	1.06E-01	9.80E-01	1.60E-04	1.65E-05	9.39E-05	9.72E-06	6.58E-05	6.81E-06
360.632	4249.294	8.24E-02	9.80E-01	1.60E-04	1.29E-05	9.39E-05	7.58E-06	6.58E-05	5.31E-06
360.585	4249.378	6.63E-02	9.80E-01	1.60E-04	1.04E-05	9.39E-05	6.10E-06	6.58E-05	4.27E-06
360.538	4249.462	5.19E-02	9.80E-01	1.60E-04	8.12E-06	9.39E-05	4.77E-06	6.58E-05	3.34E-06
360.491	4249.545	4.38E-02	9.80E-01	1.60E-04	6.86E-06	9.39E-05	4.03E-06	6.58E-05	2.82E-06
360.444	4249.629	3.54E-02	9.80E-01	1.60E-04	5.54E-06	9.39E-05	3.26E-06	6.58E-05	2.28E-06
360.397	4249.713	3.12E-02	9.80E-01	1.60E-04	4.89E-06	9.39E-05	2.87E-06	6.58E-05	2.01E-06
360.35	4249.797	2.67E-02	9.80E-01	1.60E-04	4.17E-06	9.39E-05	2.45E-06	6.58E-05	1.72E-06
360.277	4249.8	2.89E-02	9.80E-01	1.60E-04	4.53E-06	9.39E-05	2.66E-06	6.58E-05	1.86E-06
360.233	4249.168	9.19E-02	9.80E-01	1.60E-04	1.44E-05	9.39E-05	8.45E-06	6.58E-05	5.92E-06
360.049	4248.941	8.69E-02	9.80E-01	1.60E-04	1.36E-05	9.39E-05	8.00E-06	6.58E-05	5.60E-06
359.958	4248.92	6.53E-02	9.80E-01	1.60E-04	1.02E-05	9.39E-05	6.01E-06	6.58E-05	4.21E-06
359.868	4248.894	5.42E-02	9.80E-01	1.60E-04	8.48E-06	9.39E-05	4.98E-06	6.58E-05	3.49E-06
359.743	4248.646	3.92E-02	9.80E-01	1.60E-04	6.13E-06	9.39E-05	3.61E-06	6.58E-05	2.52E-06
359.749	4248.592	3.91E-02	9.80E-01	1.60E-04	6.11E-06	9.39E-05	3.59E-06	6.58E-05	2.52E-06
359.754	4248.513	3.83E-02	9.80E-01	1.60E-04	5.99E-06	9.39E-05	3.52E-06	6.58E-05	2.47E-06
359.751	4248.443	3.67E-02	9.80E-01	1.60E-04	5.74E-06	9.39E-05	3.38E-06	6.58E-05	2.36E-06
359.839	4248.354	4.24E-02	9.80E-01	1.60E-04	6.64E-06	9.39E-05	3.90E-06	6.58E-05	2.73E-06
359.934	4248.308	5.08E-02	9.80E-01	1.60E-04	7.95E-06	9.39E-05	4.68E-06	6.58E-05	3.28E-06
360.03	4248.262	5.71E-02	9.80E-01	1.60E-04	8.94E-06	9.39E-05	5.26E-06	6.58E-05	3.68E-06
360.23	4248.121	6.37E-02	9.80E-01	1.60E-04	9.98E-06	9.39E-05	5.87E-06	6.58E-05	4.11E-06
360.196	4248.694	1.68E-01	9.80E-01	1.60E-04	2.62E-05	9.39E-05	1.54E-05	6.58E-05	1.08E-05
360.188	4248.787	1.58E-01	9.80E-01	1.60E-04	2.47E-05	9.39E-05	1.45E-05	6.58E-05	1.02E-05
360.186	4248.85	1.50E-01	9.80E-01	1.60E-04	2.34E-05	9.39E-05	1.38E-05	6.58E-05	9.65E-06
360.187	4248.927	1.36E-01	9.80E-01	1.60E-04	2.13E-05	9.39E-05	1.25E-05	6.58E-05	8.79E-06
360.728	4248.992	2.31E-01	9.80E-01	1.60E-04	3.62E-05	9.39E-05	2.13E-05	6.58E-05	1.49E-05
360.4	4248.912	3.41E-01	9.80E-01	1.60E-04	5.33E-05	9.39E-05	3.14E-05	6.58E-05	2.20E-05
360.341	4248.904	2.67E-01	9.80E-01	1.60E-04	4.19E-05	9.39E-05	2.46E-05	6.58E-05	1.72E-05
360.253	4248.902	1.82E-01	9.80E-01	1.60E-04	2.85E-05	9.39E-05	1.68E-05	6.58E-05	1.18E-05
360.239	4248.398	1.40E-01	9.80E-01	1.60E-04	2.19E-05	9.39E-05	1.29E-05	6.58E-05	9.00E-06
360.289	4248.002	5.07E-02	9.80E-01	1.60E-04	7.93E-06	9.39E-05	4.66E-06	6.58E-05	3.26E-06
360.302	4247.704	2.88E-02	9.80E-01	1.60E-04	4.50E-06	9.39E-05	2.65E-06	6.58E-05	1.85E-06
360.305	4247.6	2.27E-02	9.80E-01	1.60E-04	3.56E-06	9.39E-05	2.09E-06	6.58E-05	1.47E-06
360.302	4247.5	1.76E-02	9.80E-01	1.60E-04	2.75E-06	9.39E-05	1.61E-06	6.58E-05	1.13E-06
360.301	4247.402	1.53E-02	9.80E-01	1.60E-04	2.40E-06	9.39E-05	1.41E-06	6.58E-05	9.88E-07
360.293	4247.104	1.29E-02	9.80E-01	1.60E-04	2.01E-06	9.39E-05	1.18E-06	6.58E-05	8.29E-07
360.296	4246.694	5.27E-03	9.80E-01	1.60E-04	8.24E-07	9.39E-05	4.85E-07	6.58E-05	3.39E-07
360.295	4246.592	4.51E-03	9.80E-01	1.60E-04	7.06E-07	9.39E-05	4.15E-07	6.58E-05	2.91E-07
360.298	4246.497	3.76E-03	9.80E-01	1.60E-04	5.88E-07	9.39E-05	3.46E-07	6.58E-05	2.42E-07
360.3	4246.446	3.51E-03	9.80E-01	1.60E-04	5.49E-07	9.39E-05	3.23E-07	6.58E-05	2.26E-07
360.299	4246.33	3.14E-03	9.80E-01	1.60E-04	4.91E-07	9.39E-05	2.89E-07	6.58E-05	2.02E-07
360.328	4246.639	4.59E-03	9.80E-01	1.60E-04	7.18E-07	9.39E-05	4.22E-07	6.58E-05	2.96E-07
360.337	4246.747	4.97E-03	9.80E-01	1.60E-04	7.78E-07	9.39E-05	4.58E-07	6.58E-05	3.20E-07
360.383	4246.773	4.78E-03	9.80E-01	1.60E-04	7.48E-07	9.39E-05	4.40E-07	6.58E-05	3.08E-07
360.404	4246.9	5.94E-03	9.80E-01	1.60E-04	9.29E-07	9.39E-05	5.46E-07	6.58E-05	3.83E-07
360.413	4246.998	6.76E-03	9.80E-01	1.60E-04	1.06E-06	9.39E-05	6.22E-07	6.58E-05	4.36E-07
360.428	4247.101	7.40E-03	9.80E-01	1.60E-04	1.16E-06	9.39E-05	6.81E-07	6.58E-05	4.77E-07
360.395	4247.146	8.21E-03	9.80E-01	1.60E-04	1.28E-06	9.39E-05	7.55E-07	6.58E-05	5.29E-07
360.41	4247.229	8.57E-03	9.80E-01	1.60E-04	1.34E-06	9.39E-05	7.88E-07	6.58E-05	5.52E-07
360.426	4247.312	8.86E-03	9.80E-01	1.60E-04	1.39E-06	9.39E-05	8.15E-07	6.58E-05	5.71E-07
360.481	4247.39	1.02E-02	9.80E-01	1.60E-04	1.59E-06	9.39E-05	9.34E-07	6.58E-05	6.54E-07
360.513	4247.475	1.23E-02	9.80E-01	1.60E-04	1.92E-06	9.39E-05	1.13E-06	6.58E-05	7.91E-07
360.546	4247.561	1.63E-02	9.80E-01	1.60E-04	2.54E-06	9.39E-05	1.50E-06	6.58E-05	1.05E-06

8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
CARBON TETRACHLORIDE - TASK 3

RECEPTOR (x,y) km		CONCENTRATION (ug/m³)	CSF (mg/kg-day)⁻¹	EXP # (LC) (mg-m³/ug-kg-day)	LIFETIME CANCER RISK	EXP #(AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	3.55E-02	5.30E-02	1.60E-04	3.01E-07	9.39E-05	1.77E-07	6.58E-05	1.24E-07
359.84	4249.884	3.89E-02	5.30E-02	1.60E-04	3.30E-07	9.39E-05	1.94E-07	6.58E-05	1.36E-07
359.86	4249.794	4.58E-02	5.30E-02	1.60E-04	3.88E-07	9.39E-05	2.28E-07	6.58E-05	1.60E-07
359.875	4249.736	5.11E-02	5.30E-02	1.60E-04	4.33E-07	9.39E-05	2.54E-07	6.58E-05	1.78E-07
359.806	4249.729	4.63E-02	5.30E-02	1.60E-04	3.92E-07	9.39E-05	2.31E-07	6.58E-05	1.61E-07
359.818	4249.667	5.16E-02	5.30E-02	1.60E-04	4.37E-07	9.39E-05	2.57E-07	6.58E-05	1.80E-07
359.827	4249.617	5.65E-02	5.30E-02	1.60E-04	4.78E-07	9.39E-05	2.81E-07	6.58E-05	1.97E-07
359.836	4249.56	6.25E-02	5.30E-02	1.60E-04	5.29E-07	9.39E-05	3.11E-07	6.58E-05	2.18E-07
359.849	4249.506	6.93E-02	5.30E-02	1.60E-04	5.87E-07	9.39E-05	3.45E-07	6.58E-05	2.42E-07
359.888	4249.439	8.23E-02	5.30E-02	1.60E-04	6.96E-07	9.39E-05	4.09E-07	6.58E-05	2.87E-07
359.939	4249.397	9.73E-02	5.30E-02	1.60E-04	8.23E-07	9.39E-05	4.84E-07	6.58E-05	3.39E-07
359.984	4249.373	1.11E-01	5.30E-02	1.60E-04	9.39E-07	9.39E-05	5.52E-07	6.58E-05	3.87E-07
360.032	4249.325	1.33E-01	5.30E-02	1.60E-04	1.13E-06	9.39E-05	6.64E-07	6.58E-05	4.65E-07
360.068	4249.275	1.57E-01	5.30E-02	1.60E-04	1.33E-06	9.39E-05	7.81E-07	6.58E-05	5.47E-07
360.088	4249.225	1.80E-01	5.30E-02	1.60E-04	1.52E-06	9.39E-05	8.94E-07	6.58E-05	6.26E-07
360.06	4249.18	1.78E-01	5.30E-02	1.60E-04	1.50E-06	9.39E-05	8.84E-07	6.58E-05	6.19E-07
360.115	4249.143	2.22E-01	5.30E-02	1.60E-04	1.88E-06	9.39E-05	1.11E-06	6.58E-05	7.75E-07
360.171	4249.034	3.29E-01	5.30E-02	1.60E-04	2.78E-06	9.39E-05	1.64E-06	6.58E-05	1.15E-06
360.171	4249.149	2.68E-01	5.30E-02	1.60E-04	2.27E-06	9.39E-05	1.33E-06	6.58E-05	9.33E-07
360.198	4249.204	2.59E-01	5.30E-02	1.60E-04	2.19E-06	9.39E-05	1.29E-06	6.58E-05	9.01E-07
360.2	4249.26	2.29E-01	5.30E-02	1.60E-04	1.94E-06	9.39E-05	1.14E-06	6.58E-05	7.97E-07
360.199	4249.312	2.04E-01	5.30E-02	1.60E-04	1.72E-06	9.39E-05	1.01E-06	6.58E-05	7.09E-07
360.195	4249.375	1.78E-01	5.30E-02	1.60E-04	1.50E-06	9.39E-05	8.84E-07	6.58E-05	6.19E-07
360.191	4249.427	1.59E-01	5.30E-02	1.60E-04	1.35E-06	9.39E-05	7.93E-07	6.58E-05	5.55E-07
360.189	4249.503	1.36E-01	5.30E-02	1.60E-04	1.15E-06	9.39E-05	6.78E-07	6.58E-05	4.75E-07
360.186	4249.569	1.19E-01	5.30E-02	1.60E-04	1.00E-06	9.39E-05	5.91E-07	6.58E-05	4.14E-07
360.178	4249.644	1.01E-01	5.30E-02	1.60E-04	8.54E-07	9.39E-05	5.02E-07	6.58E-05	3.52E-07
360.178	4249.719	8.72E-02	5.30E-02	1.60E-04	7.38E-07	9.39E-05	4.34E-07	6.58E-05	3.04E-07
360.186	4249.823	7.20E-02	5.30E-02	1.60E-04	6.09E-07	9.39E-05	3.58E-07	6.58E-05	2.51E-07
360.188	4249.929	5.88E-02	5.30E-02	1.60E-04	4.98E-07	9.39E-05	2.93E-07	6.58E-05	2.05E-07
360.18	4250.032	4.84E-02	5.30E-02	1.60E-04	4.10E-07	9.39E-05	2.41E-07	6.58E-05	1.69E-07
360.091	4250.02	4.38E-02	5.30E-02	1.60E-04	3.71E-07	9.39E-05	2.18E-07	6.58E-05	1.53E-07
360.003	4250.007	4.03E-02	5.30E-02	1.60E-04	3.41E-07	9.39E-05	2.01E-07	6.58E-05	1.40E-07
359.914	4249.995	3.66E-02	5.30E-02	1.60E-04	3.10E-07	9.39E-05	1.82E-07	6.58E-05	1.28E-07
360.269	4249.127	4.17E-01	5.30E-02	1.60E-04	3.53E-06	9.39E-05	2.07E-06	6.58E-05	1.45E-06
360.334	4249.128	5.54E-01	5.30E-02	1.60E-04	4.69E-06	9.39E-05	2.76E-06	6.58E-05	1.93E-06
360.403	4249.137	7.23E-01	5.30E-02	1.60E-04	6.12E-06	9.39E-05	3.60E-06	6.58E-05	2.52E-06
360.498	4249.157	9.06E-01	5.30E-02	1.60E-04	7.67E-06	9.39E-05	4.51E-06	6.58E-05	3.16E-06
360.592	4249.185	7.85E-01	5.30E-02	1.60E-04	6.64E-06	9.39E-05	3.91E-06	6.58E-05	2.73E-06
360.678	4249.21	5.53E-01	5.30E-02	1.60E-04	4.68E-06	9.39E-05	2.75E-06	6.58E-05	1.93E-06
360.632	4249.294	4.16E-01	5.30E-02	1.60E-04	3.52E-06	9.39E-05	2.07E-06	6.58E-05	1.45E-06
360.585	4249.378	3.02E-01	5.30E-02	1.60E-04	2.56E-06	9.39E-05	1.50E-06	6.58E-05	1.05E-06
360.538	4249.462	2.12E-01	5.30E-02	1.60E-04	1.80E-06	9.39E-05	1.06E-06	6.58E-05	7.40E-07
360.491	4249.545	1.72E-01	5.30E-02	1.60E-04	1.45E-06	9.39E-05	8.55E-07	6.58E-05	5.99E-07
360.444	4249.629	1.20E-01	5.30E-02	1.60E-04	1.02E-06	9.39E-05	5.97E-07	6.58E-05	4.18E-07
360.397	4249.713	1.07E-01	5.30E-02	1.60E-04	9.09E-07	9.39E-05	5.35E-07	6.58E-05	3.74E-07
360.35	4249.797	8.78E-02	5.30E-02	1.60E-04	7.43E-07	9.39E-05	4.37E-07	6.58E-05	3.06E-07
360.277	4249.8	8.64E-02	5.30E-02	1.60E-04	7.31E-07	9.39E-05	4.30E-07	6.58E-05	3.01E-07
360.233	4249.168	3.20E-01	5.30E-02	1.60E-04	2.70E-06	9.39E-05	1.59E-06	6.58E-05	1.11E-06
360.049	4248.941	1.98E-01	5.30E-02	1.60E-04	1.68E-06	9.39E-05	9.86E-07	6.58E-05	6.91E-07
359.958	4248.92	1.42E-01	5.30E-02	1.60E-04	1.20E-06	9.39E-05	7.07E-07	6.58E-05	4.95E-07
359.868	4248.894	1.07E-01	5.30E-02	1.60E-04	9.02E-07	9.39E-05	5.30E-07	6.58E-05	3.71E-07
359.743	4248.646	6.48E-02	5.30E-02	1.60E-04	5.49E-07	9.39E-05	3.23E-07	6.58E-05	2.26E-07
359.749	4248.592	6.24E-02	5.30E-02	1.60E-04	5.28E-07	9.39E-05	3.10E-07	6.58E-05	2.17E-07
359.754	4248.513	5.77E-02	5.30E-02	1.60E-04	4.88E-07	9.39E-05	2.87E-07	6.58E-05	2.01E-07
359.751	4248.443	5.19E-02	5.30E-02	1.60E-04	4.39E-07	9.39E-05	2.58E-07	6.58E-05	1.81E-07
359.839	4248.354	5.39E-02	5.30E-02	1.60E-04	4.56E-07	9.39E-05	2.68E-07	6.58E-05	1.88E-07
359.934	4248.308	5.99E-02	5.30E-02	1.60E-04	5.07E-07	9.39E-05	2.98E-07	6.58E-05	2.09E-07
360.03	4248.262	6.48E-02	5.30E-02	1.60E-04	5.49E-07	9.39E-05	3.23E-07	6.58E-05	2.26E-07
360.23	4248.121	5.60E-02	5.30E-02	1.60E-04	4.74E-07	9.39E-05	2.79E-07	6.58E-05	1.95E-07
360.196	4248.694	3.32E-01	5.30E-02	1.60E-04	2.81E-06	9.39E-05	1.65E-06	6.58E-05	1.16E-06
360.188	4248.787	3.70E-01	5.30E-02	1.60E-04	3.13E-06	9.39E-05	1.84E-06	6.58E-05	1.29E-06
360.186	4248.85	3.84E-01	5.30E-02	1.60E-04	3.25E-06	9.39E-05	1.91E-06	6.58E-05	1.34E-06
360.187	4248.927	3.86E-01	5.30E-02	1.60E-04	3.27E-06	9.39E-05	1.92E-06	6.58E-05	1.35E-06
360.728	4248.992	1.18E+00	5.30E-02	1.60E-04	1.00E-05	9.39E-05	5.88E-06	6.58E-05	4.12E-06
360.4	4248.912	1.49E+00	5.30E-02	1.60E-04	1.26E-05	9.39E-05	7.43E-06	6.58E-05	5.20E-06
360.341	4248.904	1.04E+00	5.30E-02	1.60E-04	8.82E-06	9.39E-05	5.19E-06	6.58E-05	3.63E-06
360.253	4248.902	5.84E-01	5.30E-02	1.60E-04	4.94E-06	9.39E-05	2.91E-06	6.58E-05	2.03E-06
360.239	4248.398	1.47E-01	5.30E-02	1.60E-04	1.24E-06	9.39E-05	7.31E-07	6.58E-05	5.12E-07
360.289	4248.002	4.18E-02	5.30E-02	1.60E-04	3.54E-07	9.39E-05	2.08E-07	6.58E-05	1.46E-07
360.302	4247.704	2.03E-02	5.30E-02	1.60E-04	1.72E-07	9.39E-05	1.01E-07	6.58E-05	7.06E-08
360.305	4247.6	1.64E-02	5.30E-02	1.60E-04	1.38E-07	9.39E-05	8.14E-08	6.58E-05	5.70E-08
360.302	4247.5	1.35E-02	5.30E-02	1.60E-04	1.14E-07	9.39E-05	6.73E-08	6.58E-05	4.71E-08
360.301	4247.402	1.14E-02	5.30E-02	1.60E-04	9.68E-08	9.39E-05	5.69E-08	6.58E-05	3.99E-08
360.293	4247.104	7.47E-03	5.30E-02	1.60E-04	6.32E-08	9.39E-05	3.72E-08	6.58E-05	2.60E-08
360.296	4246.694	4.87E-03	5.30E-02	1.60E-04	4.13E-08	9.39E-05	2.43E-08	6.58E-05	1.70E-08
360.295	4246.592	4.47E-03	5.30E-02	1.60E-04	3.79E-08	9.39E-05	2.23E-08	6.58E-05	1.56E-08
360.298	4246.497	4.13E-03	5.30E-02	1.60E-04	3.49E-08	9.39E-05	2.06E-08	6.58E-05	1.44E-08
360.3	4246.446	3.97E-03	5.30E-02	1.60E-04	3.36E-08	9.39E-05	1.98E-08	6.58E-05	1.38E-08
360.299	4246.33	3.63E-03	5.30E-02	1.60E-04	3.07E-08	9.39E-05	1.81E-08	6.58E-05	1.27E-08
360.328	4246.639	4.69E-03	5.30E-02	1.60E-04	3.97E-08	9.39E-05	2.33E-08	6.58E-05	1.63E-08
360.337	4246.747	5.10E-03	5.30E-02	1.60E-04	4.32E-08	9.39E-05	2.54E-08	6.58E-05	1.78E-08
360.383	4246.773	4.52E-03	5.30E-02	1.60E-04	3.82E-08	9.39E-05	2.25E-08	6.58E-05	1.57E-08
360.404	4246.9	5.11E-03	5.30E-02	1.60E-04	4.33E-08	9.39E-05	2.54E-08	6.58E-05	1.78E-08
360.413	4246.998	5.62E-03	5.30E-02	1.60E-04	4.76E-08	9.39E-05	2.80E-08	6.58E-05	1.96E-08
360.428	4247.101	6.30E-03	5.30E-02	1.60E-04	5.33E-08	9.39E-05	3.13E-08	6.58E-05	2.19E-08
360.395	4247.146	7.25E-03	5.30E-02	1.60E-04	6.14E-08	9.39E-05	3.61E-08	6.58E-05	2.53E-08
360.41	4247.229	7.97E-03	5.30E-02	1.60E-04	6.74E-08	9.39E-05	3.97E-08	6.58E-05	2.78E-08
360.426	4247.312	8.03E-03	5.30E-02	1.60E-04	6.80E-08	9.39E-05	4.00E-08	6.58E-05	2.80E-08
360.481	4247.39	9.19E-03	5.30E-02	1.60E-04	7.78E-08	9.39E-05	4.57E-08	6.58E-05	3.20E-08
360.513	4247.475	1.06E-02	5.30E-02	1.60E-04	8.98E-08	9.39E-05	5.28E-08	6.58E-05	3.70E-08
360.546	4247.561	1.24E-02	5.30E-02	1.60E-04	1.05E-07	9.39E-05	6.16E-08	6.58E-05	4.32E-08

8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
NICKEL - TASK 3

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	CSF (mg/kg-day)$^{-1}$	EXP # (LC) (mg-m^3/ug-kg-day)	LIFETIME CANCER RISK	EXP #(AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	2.61E-02	4.20E-01	1.60E-04	1.75E-06	9.39E-05	1.03E-06	6.58E-05	7.21E-07
359.84	4249.884	2.75E-02	4.20E-01	1.60E-04	1.85E-06	9.39E-05	1.09E-06	6.58E-05	7.60E-07
359.86	4249.794	3.06E-02	4.20E-01	1.60E-04	2.05E-06	9.39E-05	1.21E-06	6.58E-05	8.46E-07
359.875	4249.736	3.28E-02	4.20E-01	1.60E-04	2.20E-06	9.39E-05	1.30E-06	6.58E-05	9.07E-07
359.806	4249.729	3.09E-02	4.20E-01	1.60E-04	2.07E-06	9.39E-05	1.22E-06	6.58E-05	8.53E-07
359.818	4249.667	3.31E-02	4.20E-01	1.60E-04	2.22E-06	9.39E-05	1.31E-06	6.58E-05	9.15E-07
359.827	4249.617	3.47E-02	4.20E-01	1.60E-04	2.33E-06	9.39E-05	1.37E-06	6.58E-05	9.58E-07
359.836	4249.56	3.64E-02	4.20E-01	1.60E-04	2.44E-06	9.39E-05	1.43E-06	6.58E-05	1.00E-06
359.849	4249.506	3.82E-02	4.20E-01	1.60E-04	2.56E-06	9.39E-05	1.51E-06	6.58E-05	1.06E-06
359.888	4249.439	4.26E-02	4.20E-01	1.60E-04	2.86E-06	9.39E-05	1.68E-06	6.58E-05	1.18E-06
359.939	4249.397	4.81E-02	4.20E-01	1.60E-04	3.23E-06	9.39E-05	1.90E-06	6.58E-05	1.33E-06
359.984	4249.373	5.24E-02	4.20E-01	1.60E-04	3.51E-06	9.39E-05	2.07E-06	6.58E-05	1.45E-06
360.032	4249.325	5.94E-02	4.20E-01	1.60E-04	3.99E-06	9.39E-05	2.34E-06	6.58E-05	1.64E-06
360.068	4249.275	6.45E-02	4.20E-01	1.60E-04	4.33E-06	9.39E-05	2.55E-06	6.58E-05	1.78E-06
360.088	4249.225	6.98E-02	4.20E-01	1.60E-04	4.68E-06	9.39E-05	2.75E-06	6.58E-05	1.93E-06
360.06	4249.18	7.14E-02	4.20E-01	1.60E-04	4.79E-06	9.39E-05	2.81E-06	6.58E-05	1.97E-06
360.115	4249.143	7.92E-02	4.20E-01	1.60E-04	5.31E-06	9.39E-05	3.12E-06	6.58E-05	2.19E-06
360.171	4249.034	1.03E-01	4.20E-01	1.60E-04	6.93E-06	9.39E-05	4.07E-06	6.58E-05	2.85E-06
360.171	4249.149	8.17E-02	4.20E-01	1.60E-04	5.48E-06	9.39E-05	3.22E-06	6.58E-05	2.26E-06
360.198	4249.204	7.61E-02	4.20E-01	1.60E-04	5.10E-06	9.39E-05	3.00E-06	6.58E-05	2.10E-06
360.2	4249.26	7.07E-02	4.20E-01	1.60E-04	4.74E-06	9.39E-05	2.79E-06	6.58E-05	1.95E-06
360.199	4249.312	6.61E-02	4.20E-01	1.60E-04	4.43E-06	9.39E-05	2.61E-06	6.58E-05	1.83E-06
360.195	4249.375	6.03E-02	4.20E-01	1.60E-04	4.04E-06	9.39E-05	2.38E-06	6.58E-05	1.67E-06
360.191	4249.427	5.57E-02	4.20E-01	1.60E-04	3.74E-06	9.39E-05	2.20E-06	6.58E-05	1.54E-06
360.189	4249.503	5.07E-02	4.20E-01	1.60E-04	3.40E-06	9.39E-05	2.00E-06	6.58E-05	1.40E-06
360.186	4249.569	4.74E-02	4.20E-01	1.60E-04	3.18E-06	9.39E-05	1.87E-06	6.58E-05	1.31E-06
360.178	4249.644	4.45E-02	4.20E-01	1.60E-04	2.99E-06	9.39E-05	1.76E-06	6.58E-05	1.23E-06
360.178	4249.719	4.14E-02	4.20E-01	1.60E-04	2.78E-06	9.39E-05	1.63E-06	6.58E-05	1.14E-06
360.186	4249.823	3.73E-02	4.20E-01	1.60E-04	2.50E-06	9.39E-05	1.47E-06	6.58E-05	1.03E-06
360.188	4249.929	3.31E-02	4.20E-01	1.60E-04	2.22E-06	9.39E-05	1.31E-06	6.58E-05	9.15E-07
360.18	4250.032	3.08E-02	4.20E-01	1.60E-04	2.07E-06	9.39E-05	1.22E-06	6.58E-05	8.52E-07
360.091	4250.02	2.99E-02	4.20E-01	1.60E-04	2.00E-06	9.39E-05	1.18E-06	6.58E-05	8.25E-07
360.003	4250.007	2.85E-02	4.20E-01	1.60E-04	1.91E-06	9.39E-05	1.12E-06	6.58E-05	7.88E-07
359.914	4249.995	2.70E-02	4.20E-01	1.60E-04	1.81E-06	9.39E-05	1.06E-06	6.58E-05	7.45E-07
360.269	4249.127	8.45E-02	4.20E-01	1.60E-04	5.66E-06	9.39E-05	3.33E-06	6.58E-05	2.33E-06
360.334	4249.128	8.34E-02	4.20E-01	1.60E-04	5.59E-06	9.39E-05	3.29E-06	6.58E-05	2.30E-06
360.403	4249.137	8.02E-02	4.20E-01	1.60E-04	5.38E-06	9.39E-05	3.16E-06	6.58E-05	2.21E-06
360.498	4249.157	7.44E-02	4.20E-01	1.60E-04	4.99E-06	9.39E-05	2.93E-06	6.58E-05	2.06E-06
360.592	4249.185	6.86E-02	4.20E-01	1.60E-04	4.60E-06	9.39E-05	2.71E-06	6.58E-05	1.89E-06
360.678	4249.21	6.05E-02	4.20E-01	1.60E-04	4.06E-06	9.39E-05	2.39E-06	6.58E-05	1.67E-06
360.632	4249.294	6.01E-02	4.20E-01	1.60E-04	4.03E-06	9.39E-05	2.37E-06	6.58E-05	1.66E-06
360.585	4249.378	5.83E-02	4.20E-01	1.60E-04	3.91E-06	9.39E-05	2.30E-06	6.58E-05	1.61E-06
360.538	4249.462	5.54E-02	4.20E-01	1.60E-04	3.71E-06	9.39E-05	2.18E-06	6.58E-05	1.53E-06
360.491	4249.545	5.26E-02	4.20E-01	1.60E-04	3.53E-06	9.39E-05	2.08E-06	6.58E-05	1.45E-06
360.444	4249.629	4.91E-02	4.20E-01	1.60E-04	3.29E-06	9.39E-05	1.94E-06	6.58E-05	1.36E-06
360.397	4249.713	4.56E-02	4.20E-01	1.60E-04	3.06E-06	9.39E-05	1.80E-06	6.58E-05	1.26E-06
360.35	4249.797	4.13E-02	4.20E-01	1.60E-04	2.77E-06	9.39E-05	1.63E-06	6.58E-05	1.14E-06
360.277	4249.8	3.95E-02	4.20E-01	1.60E-04	2.65E-06	9.39E-05	1.56E-06	6.58E-05	1.09E-06
360.233	4249.168	8.03E-02	4.20E-01	1.60E-04	5.39E-06	9.39E-05	3.17E-06	6.58E-05	2.22E-06
360.049	4248.941	1.08E-01	4.20E-01	1.60E-04	7.22E-06	9.39E-05	4.25E-06	6.58E-05	2.97E-06
359.958	4248.92	7.82E-02	4.20E-01	1.60E-04	5.24E-06	9.39E-05	3.08E-06	6.58E-05	2.16E-06
359.868	4248.894	7.03E-02	4.20E-01	1.60E-04	4.72E-06	9.39E-05	2.77E-06	6.58E-05	1.94E-06
359.743	4248.646	7.33E-02	4.20E-01	1.60E-04	4.92E-06	9.39E-05	2.89E-06	6.58E-05	2.02E-06
359.749	4248.592	7.25E-02	4.20E-01	1.60E-04	4.86E-06	9.39E-05	2.86E-06	6.58E-05	2.00E-06
359.754	4248.513	6.35E-02	4.20E-01	1.60E-04	4.26E-06	9.39E-05	2.51E-06	6.58E-05	1.75E-06
359.751	4248.443	6.17E-02	4.20E-01	1.60E-04	4.14E-06	9.39E-05	2.43E-06	6.58E-05	1.70E-06
359.839	4248.354	8.68E-02	4.20E-01	1.60E-04	5.82E-06	9.39E-05	3.42E-06	6.58E-05	2.40E-06
359.934	4248.308	1.48E-01	4.20E-01	1.60E-04	9.94E-06	9.39E-05	5.84E-06	6.58E-05	4.09E-06
360.03	4248.262	3.09E-01	4.20E-01	1.60E-04	2.07E-05	9.39E-05	1.22E-05	6.58E-05	8.52E-06
360.23	4248.121	9.41E-01	4.20E-01	1.60E-04	6.31E-05	9.39E-05	3.71E-05	6.58E-05	2.60E-05
360.196	4248.694	2.52E-01	4.20E-01	1.60E-04	1.69E-05	9.39E-05	9.95E-06	6.58E-05	6.97E-06
360.188	4248.787	1.80E-01	4.20E-01	1.60E-04	1.21E-05	9.39E-05	7.09E-06	6.58E-05	4.96E-06
360.186	4248.85	1.51E-01	4.20E-01	1.60E-04	1.01E-05	9.39E-05	5.94E-06	6.58E-05	4.16E-06
360.187	4248.927	1.29E-01	4.20E-01	1.60E-04	8.66E-06	9.39E-05	5.09E-06	6.58E-05	3.57E-06
360.728	4248.992	6.05E-02	4.20E-01	1.60E-04	4.06E-06	9.39E-05	2.38E-06	6.58E-05	1.67E-06
360.4	4248.912	1.10E-01	4.20E-01	1.60E-04	7.41E-06	9.39E-05	4.36E-06	6.58E-05	3.05E-06
360.341	4248.904	1.20E-01	4.20E-01	1.60E-04	8.04E-06	9.39E-05	4.73E-06	6.58E-05	3.31E-06
360.253	4248.902	1.29E-01	4.20E-01	1.60E-04	8.66E-06	9.39E-05	5.09E-06	6.58E-05	3.56E-06
360.239	4248.398	1.18E+00	4.20E-01	1.60E-04	7.93E-05	9.39E-05	4.66E-05	6.58E-05	3.27E-05
360.289	4248.002	2.91E-01	4.20E-01	1.60E-04	1.95E-05	9.39E-05	1.15E-05	6.58E-05	8.03E-06
360.302	4247.704	5.76E-02	4.20E-01	1.60E-04	3.86E-06	9.39E-05	2.27E-06	6.58E-05	1.59E-06
360.305	4247.6	4.50E-02	4.20E-01	1.60E-04	3.02E-06	9.39E-05	1.78E-06	6.58E-05	1.24E-06
360.302	4247.5	3.63E-02	4.20E-01	1.60E-04	2.43E-06	9.39E-05	1.43E-06	6.58E-05	1.00E-06
360.301	4247.402	2.95E-02	4.20E-01	1.60E-04	1.98E-06	9.39E-05	1.16E-06	6.58E-05	8.15E-07
360.293	4247.104	2.13E-02	4.20E-01	1.60E-04	1.43E-06	9.39E-05	8.41E-07	6.58E-05	5.89E-07
360.296	4246.694	1.40E-02	4.20E-01	1.60E-04	9.41E-07	9.39E-05	5.53E-07	6.58E-05	3.87E-07
360.295	4246.592	1.28E-02	4.20E-01	1.60E-04	8.60E-07	9.39E-05	5.06E-07	6.58E-05	3.54E-07
360.298	4246.497	1.17E-02	4.20E-01	1.60E-04	7.82E-07	9.39E-05	4.60E-07	6.58E-05	3.22E-07
360.3	4246.446	1.12E-02	4.20E-01	1.60E-04	7.52E-07	9.39E-05	4.42E-07	6.58E-05	3.10E-07
360.299	4246.33	1.05E-02	4.20E-01	1.60E-04	7.04E-07	9.39E-05	4.14E-07	6.58E-05	2.90E-07
360.328	4246.639	1.24E-02	4.20E-01	1.60E-04	8.28E-07	9.39E-05	4.87E-07	6.58E-05	3.41E-07
360.337	4246.747	1.30E-02	4.20E-01	1.60E-04	8.71E-07	9.39E-05	5.12E-07	6.58E-05	3.59E-07
360.383	4246.773	1.24E-02	4.20E-01	1.60E-04	8.34E-07	9.39E-05	4.90E-07	6.58E-05	3.43E-07
360.404	4246.9	1.39E-02	4.20E-01	1.60E-04	9.35E-07	9.39E-05	5.50E-07	6.58E-05	3.85E-07
360.413	4246.998	1.55E-02	4.20E-01	1.60E-04	1.04E-06	9.39E-05	6.12E-07	6.58E-05	4.28E-07
360.428	4247.101	1.75E-02	4.20E-01	1.60E-04	1.17E-06	9.39E-05	6.90E-07	6.58E-05	4.83E-07
360.395	4247.146	1.77E-02	4.20E-01	1.60E-04	1.19E-06	9.39E-05	6.97E-07	6.58E-05	4.88E-07
360.41	4247.229	1.90E-02	4.20E-01	1.60E-04	1.28E-06	9.39E-05	7.51E-07	6.58E-05	5.26E-07
360.426	4247.312	2.15E-02	4.20E-01	1.60E-04	1.44E-06	9.39E-05	8.49E-07	6.58E-05	5.94E-07
360.481	4247.39	2.79E-02	4.20E-01	1.60E-04	1.87E-06	9.39E-05	1.10E-06	6.58E-05	7.70E-07
360.513	4247.475	3.64E-02	4.20E-01	1.60E-04	2.44E-06	9.39E-05	1.44E-06	6.58E-05	1.01E-06
360.546	4247.561	4.73E-02	4.20E-01	1.60E-04	3.17E-06	9.39E-05	1.87E-06	6.58E-05	1.31E-06

CANCER RISKS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
ARSENIC - TASK 1 - CENTRAL TENDENCY

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	CSF	EXP # (LC)	LIFETIME CANCER RISK	EXP # (AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	1.01E-03	1.51E+01	4.83E-05	7.36E-07	1.79E-05	2.73E-07	3.04E-05	4.63E-07
359.84	4249.884	1.05E-03	1.51E+01	4.83E-05	7.68E-07	1.79E-05	2.85E-07	3.04E-05	4.84E-07
359.86	4249.794	1.16E-03	1.51E+01	4.83E-05	8.44E-07	1.79E-05	3.13E-07	3.04E-05	5.31E-07
359.875	4249.736	1.23E-03	1.51E+01	4.83E-05	8.97E-07	1.79E-05	3.32E-07	3.04E-05	5.64E-07
359.806	4249.729	1.16E-03	1.51E+01	4.83E-05	8.43E-07	1.79E-05	3.12E-07	3.04E-05	5.30E-07
359.818	4249.667	1.23E-03	1.51E+01	4.83E-05	8.96E-07	1.79E-05	3.32E-07	3.04E-05	5.64E-07
359.827	4249.617	1.28E-03	1.51E+01	4.83E-05	9.34E-07	1.79E-05	3.46E-07	3.04E-05	5.88E-07
359.836	4249.56	1.34E-03	1.51E+01	4.83E-05	9.77E-07	1.79E-05	3.62E-07	3.04E-05	6.15E-07
359.849	4249.506	1.40E-03	1.51E+01	4.83E-05	1.02E-06	1.79E-05	3.79E-07	3.04E-05	6.44E-07
359.888	4249.439	1.56E-03	1.51E+01	4.83E-05	1.13E-06	1.79E-05	4.20E-07	3.04E-05	7.14E-07
359.939	4249.397	1.75E-03	1.51E+01	4.83E-05	1.27E-06	1.79E-05	4.72E-07	3.04E-05	8.02E-07
359.984	4249.373	1.90E-03	1.51E+01	4.83E-05	1.38E-06	1.79E-05	5.13E-07	3.04E-05	8.71E-07
360.032	4249.325	2.15E-03	1.51E+01	4.83E-05	1.56E-06	1.79E-05	5.80E-07	3.04E-05	9.85E-07
360.068	4249.275	2.32E-03	1.51E+01	4.83E-05	1.69E-06	1.79E-05	6.26E-07	3.04E-05	1.06E-06
360.088	4249.225	2.48E-03	1.51E+01	4.83E-05	1.81E-06	1.79E-05	6.70E-07	3.04E-05	1.14E-06
360.06	4249.18	2.49E-03	1.51E+01	4.83E-05	1.82E-06	1.79E-05	6.73E-07	3.04E-05	1.14E-06
360.115	4249.143	2.74E-03	1.51E+01	4.83E-05	2.00E-06	1.79E-05	7.40E-07	3.04E-05	1.26E-06
360.171	4249.034	3.47E-03	1.51E+01	4.83E-05	2.53E-06	1.79E-05	9.38E-07	3.04E-05	1.59E-06
360.171	4249.149	2.88E-03	1.51E+01	4.83E-05	2.10E-06	1.79E-05	7.79E-07	3.04E-05	1.32E-06
360.198	4249.204	2.76E-03	1.51E+01	4.83E-05	2.01E-06	1.79E-05	7.46E-07	3.04E-05	1.27E-06
360.2	4249.26	2.61E-03	1.51E+01	4.83E-05	1.90E-06	1.79E-05	7.05E-07	3.04E-05	1.20E-06
360.199	4249.312	2.46E-03	1.51E+01	4.83E-05	1.80E-06	1.79E-05	6.66E-07	3.04E-05	1.13E-06
360.195	4249.375	2.27E-03	1.51E+01	4.83E-05	1.66E-06	1.79E-05	6.15E-07	3.04E-05	1.04E-06
360.191	4249.427	2.12E-03	1.51E+01	4.83E-05	1.55E-06	1.79E-05	5.73E-07	3.04E-05	9.74E-07
360.189	4249.503	1.96E-03	1.51E+01	4.83E-05	1.43E-06	1.79E-05	5.29E-07	3.04E-05	8.98E-07
360.186	4249.569	1.84E-03	1.51E+01	4.83E-05	1.34E-06	1.79E-05	4.97E-07	3.04E-05	8.43E-07
360.178	4249.644	1.73E-03	1.51E+01	4.83E-05	1.27E-06	1.79E-05	4.69E-07	3.04E-05	7.96E-07
360.178	4249.719	1.62E-03	1.51E+01	4.83E-05	1.18E-06	1.79E-05	4.39E-07	3.04E-05	7.45E-07
360.186	4249.823	1.48E-03	1.51E+01	4.83E-05	1.08E-06	1.79E-05	4.00E-07	3.04E-05	6.79E-07
360.188	4249.929	1.33E-03	1.51E+01	4.83E-05	9.71E-07	1.79E-05	3.60E-07	3.04E-05	6.11E-07
360.18	4250.032	1.25E-03	1.51E+01	4.83E-05	9.11E-07	1.79E-05	3.38E-07	3.04E-05	5.73E-07
360.091	4250.02	1.20E-03	1.51E+01	4.83E-05	8.75E-07	1.79E-05	3.24E-07	3.04E-05	5.51E-07
360.003	4250.007	1.12E-03	1.51E+01	4.83E-05	8.19E-07	1.79E-05	3.04E-07	3.04E-05	5.16E-07
359.914	4249.995	1.05E-03	1.51E+01	4.83E-05	7.68E-07	1.79E-05	2.85E-07	3.04E-05	4.83E-07
360.269	4249.127	3.04E-03	1.51E+01	4.83E-05	2.22E-06	1.79E-05	8.22E-07	3.04E-05	1.40E-06
360.334	4249.128	3.05E-03	1.51E+01	4.83E-05	2.22E-06	1.79E-05	8.24E-07	3.04E-05	1.40E-06
360.403	4249.137	2.99E-03	1.51E+01	4.83E-05	2.18E-06	1.79E-05	8.07E-07	3.04E-05	1.37E-06
360.498	4249.157	2.82E-03	1.51E+01	4.83E-05	2.06E-06	1.79E-05	7.62E-07	3.04E-05	1.29E-06
360.592	4249.185	2.63E-03	1.51E+01	4.83E-05	1.92E-06	1.79E-05	7.11E-07	3.04E-05	1.21E-06
360.678	4249.21	2.35E-03	1.51E+01	4.83E-05	1.71E-06	1.79E-05	6.35E-07	3.04E-05	1.08E-06
360.632	4249.294	2.33E-03	1.51E+01	4.83E-05	1.70E-06	1.79E-05	6.29E-07	3.04E-05	1.07E-06
360.585	4249.378	2.27E-03	1.51E+01	4.83E-05	1.65E-06	1.79E-05	6.13E-07	3.04E-05	1.04E-06
360.538	4249.462	2.17E-03	1.51E+01	4.83E-05	1.58E-06	1.79E-05	5.85E-07	3.04E-05	9.94E-07
360.491	4249.545	2.06E-03	1.51E+01	4.83E-05	1.50E-06	1.79E-05	5.57E-07	3.04E-05	9.46E-07
360.444	4249.629	1.92E-03	1.51E+01	4.83E-05	1.40E-06	1.79E-05	5.19E-07	3.04E-05	8.81E-07
360.397	4249.713	1.78E-03	1.51E+01	4.83E-05	1.30E-06	1.79E-05	4.82E-07	3.04E-05	8.18E-07
360.35	4249.797	1.62E-03	1.51E+01	4.83E-05	1.18E-06	1.79E-05	4.38E-07	3.04E-05	7.44E-07
360.277	4249.8	1.56E-03	1.51E+01	4.83E-05	1.14E-06	1.79E-05	4.22E-07	3.04E-05	7.16E-07
360.233	4249.168	2.91E-03	1.51E+01	4.83E-05	2.12E-06	1.79E-05	7.87E-07	3.04E-05	1.34E-06
360.049	4248.941	3.42E-03	1.51E+01	4.83E-05	2.50E-06	1.79E-05	9.25E-07	3.04E-05	1.57E-06
359.958	4248.92	2.57E-03	1.51E+01	4.83E-05	1.87E-06	1.79E-05	6.94E-07	3.04E-05	1.18E-06
359.868	4248.894	2.33E-03	1.51E+01	4.83E-05	1.70E-06	1.79E-05	6.29E-07	3.04E-05	1.07E-06
359.743	4248.646	2.04E-03	1.51E+01	4.83E-05	1.49E-06	1.79E-05	5.52E-07	3.04E-05	9.37E-07
359.749	4248.592	2.00E-03	1.51E+01	4.83E-05	1.46E-06	1.79E-05	5.41E-07	3.04E-05	9.19E-07
359.754	4248.513	1.77E-03	1.51E+01	4.83E-05	1.29E-06	1.79E-05	4.78E-07	3.04E-05	8.12E-07
359.751	4248.443	1.72E-03	1.51E+01	4.83E-05	1.25E-06	1.79E-05	4.64E-07	3.04E-05	7.88E-07
359.839	4248.354	2.26E-03	1.51E+01	4.83E-05	1.65E-06	1.79E-05	6.11E-07	3.04E-05	1.04E-06
359.934	4248.308	3.59E-03	1.51E+01	4.83E-05	2.62E-06	1.79E-05	9.71E-07	3.04E-05	1.65E-06
360.03	4248.262	6.80E-03	1.51E+01	4.83E-05	4.96E-06	1.79E-05	1.84E-06	3.04E-05	3.12E-06
360.23	4248.121	2.03E-02	1.51E+01	4.83E-05	1.48E-05	1.79E-05	5.49E-06	3.04E-05	9.33E-06
360.196	4248.694	6.70E-03	1.51E+01	4.83E-05	4.89E-06	1.79E-05	1.81E-06	3.04E-05	3.08E-06
360.188	4248.787	5.08E-03	1.51E+01	4.83E-05	3.71E-06	1.79E-05	1.37E-06	3.04E-05	2.33E-06
360.186	4248.85	4.46E-03	1.51E+01	4.83E-05	3.25E-06	1.79E-05	1.21E-06	3.04E-05	2.05E-06
360.187	4248.927	4.06E-03	1.51E+01	4.83E-05	2.96E-06	1.79E-05	1.10E-06	3.04E-05	1.86E-06
360.728	4248.992	2.34E-03	1.51E+01	4.83E-05	1.71E-06	1.79E-05	6.33E-07	3.04E-05	1.08E-06
360.4	4248.912	3.68E-03	1.51E+01	4.83E-05	2.68E-06	1.79E-05	9.95E-07	3.04E-05	1.69E-06
360.341	4248.904	3.90E-03	1.51E+01	4.83E-05	2.84E-06	1.79E-05	1.05E-06	3.04E-05	1.79E-06
360.253	4248.902	4.08E-03	1.51E+01	4.83E-05	2.98E-06	1.79E-05	1.10E-06	3.04E-05	1.87E-06
360.239	4248.398	2.54E-02	1.51E+01	4.83E-05	1.85E-05	1.79E-05	6.86E-06	3.04E-05	1.16E-05
360.289	4248.002	6.77E-03	1.51E+01	4.83E-05	4.94E-06	1.79E-05	1.83E-06	3.04E-05	3.11E-06
360.302	4247.704	1.63E-03	1.51E+01	4.83E-05	1.19E-06	1.79E-05	4.42E-07	3.04E-05	7.50E-07
360.305	4247.6	1.33E-03	1.51E+01	4.83E-05	9.72E-07	1.79E-05	3.60E-07	3.04E-05	6.12E-07
360.302	4247.5	1.09E-03	1.51E+01	4.83E-05	7.99E-07	1.79E-05	2.96E-07	3.04E-05	5.03E-07
360.301	4247.402	8.93E-04	1.51E+01	4.83E-05	6.51E-07	1.79E-05	2.41E-07	3.04E-05	4.10E-07
360.293	4247.104	6.58E-04	1.51E+01	4.83E-05	4.80E-07	1.79E-05	1.78E-07	3.04E-05	3.02E-07
360.296	4246.694	4.60E-04	1.51E+01	4.83E-05	3.35E-07	1.79E-05	1.24E-07	3.04E-05	2.11E-07
360.295	4246.592	4.26E-04	1.51E+01	4.83E-05	3.11E-07	1.79E-05	1.15E-07	3.04E-05	1.95E-07
360.298	4246.497	3.92E-04	1.51E+01	4.83E-05	2.86E-07	1.79E-05	1.06E-07	3.04E-05	1.80E-07
360.3	4246.446	3.80E-04	1.51E+01	4.83E-05	2.77E-07	1.79E-05	1.03E-07	3.04E-05	1.74E-07
360.299	4246.33	3.60E-04	1.51E+01	4.83E-05	2.62E-07	1.79E-05	9.72E-08	3.04E-05	1.65E-07
360.328	4246.639	4.23E-04	1.51E+01	4.83E-05	3.08E-07	1.79E-05	1.14E-07	3.04E-05	1.94E-07
360.337	4246.747	4.43E-04	1.51E+01	4.83E-05	3.23E-07	1.79E-05	1.20E-07	3.04E-05	2.03E-07
360.383	4246.773	4.40E-04	1.51E+01	4.83E-05	3.21E-07	1.79E-05	1.19E-07	3.04E-05	2.02E-07

CANCER RISKS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
BENZENE - TASK 1 - CENTRAL TENDENCY

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	CSF	EXP # (LC)	LIFETIME CANCER RISK	EXP # (AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	7.29E-01	2.90E-02	4.83E-05	1.02E-06	1.79E-05	3.78E-07	3.04E-05	6.42E-07
359.84	4249.884	7.73E-01	2.90E-02	4.83E-05	1.08E-06	1.79E-05	4.01E-07	3.04E-05	6.82E-07
359.86	4249.794	8.63E-01	2.90E-02	4.83E-05	1.21E-06	1.79E-05	4.48E-07	3.04E-05	7.61E-07
359.875	4249.736	9.30E-01	2.90E-02	4.83E-05	1.30E-06	1.79E-05	4.83E-07	3.04E-05	8.20E-07
359.806	4249.729	8.83E-01	2.90E-02	4.83E-05	1.24E-06	1.79E-05	4.59E-07	3.04E-05	7.79E-07
359.818	4249.667	9.55E-01	2.90E-02	4.83E-05	1.34E-06	1.79E-05	4.96E-07	3.04E-05	8.42E-07
359.827	4249.617	1.02E+00	2.90E-02	4.83E-05	1.42E-06	1.79E-05	5.28E-07	3.04E-05	8.97E-07
359.836	4249.56	1.09E+00	2.90E-02	4.83E-05	1.53E-06	1.79E-05	5.67E-07	3.04E-05	9.63E-07
359.849	4249.506	1.17E+00	2.90E-02	4.83E-05	1.65E-06	1.79E-05	6.10E-07	3.04E-05	1.04E-06
359.888	4249.439	1.32E+00	2.90E-02	4.83E-05	1.85E-06	1.79E-05	6.84E-07	3.04E-05	1.16E-06
359.939	4249.397	1.46E+00	2.90E-02	4.83E-05	2.05E-06	1.79E-05	7.59E-07	3.04E-05	1.29E-06
359.984	4249.373	1.58E+00	2.90E-02	4.83E-05	2.21E-06	1.79E-05	8.21E-07	3.04E-05	1.39E-06
360.032	4249.325	1.78E+00	2.90E-02	4.83E-05	2.50E-06	1.79E-05	9.26E-07	3.04E-05	1.57E-06
360.068	4249.275	1.99E+00	2.90E-02	4.83E-05	2.78E-06	1.79E-05	1.03E-06	3.04E-05	1.75E-06
360.088	4249.225	2.19E+00	2.90E-02	4.83E-05	3.06E-06	1.79E-05	1.13E-06	3.04E-05	1.93E-06
360.06	4249.18	2.22E+00	2.90E-02	4.83E-05	3.11E-06	1.79E-05	1.15E-06	3.04E-05	1.96E-06
360.115	4249.143	2.41E+00	2.90E-02	4.83E-05	3.37E-06	1.79E-05	1.25E-06	3.04E-05	2.12E-06
360.171	4249.034	3.31E+00	2.90E-02	4.83E-05	4.64E-06	1.79E-05	1.72E-06	3.04E-05	2.92E-06
360.171	4249.149	2.73E+00	2.90E-02	4.83E-05	3.83E-06	1.79E-05	1.42E-06	3.04E-05	2.41E-06
360.198	4249.204	2.62E+00	2.90E-02	4.83E-05	3.67E-06	1.79E-05	1.36E-06	3.04E-05	2.31E-06
360.2	4249.26	2.41E+00	2.90E-02	4.83E-05	3.38E-06	1.79E-05	1.25E-06	3.04E-05	2.13E-06
360.199	4249.312	2.23E+00	2.90E-02	4.83E-05	3.12E-06	1.79E-05	1.16E-06	3.04E-05	1.96E-06
360.195	4249.375	2.01E+00	2.90E-02	4.83E-05	2.81E-06	1.79E-05	1.04E-06	3.04E-05	1.77E-06
360.191	4249.427	1.85E+00	2.90E-02	4.83E-05	2.59E-06	1.79E-05	9.59E-07	3.04E-05	1.63E-06
360.189	4249.503	1.67E+00	2.90E-02	4.83E-05	2.34E-06	1.79E-05	8.67E-07	3.04E-05	1.47E-06
360.186	4249.569	1.53E+00	2.90E-02	4.83E-05	2.14E-06	1.79E-05	7.94E-07	3.04E-05	1.35E-06
360.178	4249.644	1.40E+00	2.90E-02	4.83E-05	1.96E-06	1.79E-05	7.25E-07	3.04E-05	1.23E-06
360.178	4249.719	1.29E+00	2.90E-02	4.83E-05	1.80E-06	1.79E-05	6.69E-07	3.04E-05	1.14E-06
360.186	4249.823	1.16E+00	2.90E-02	4.83E-05	1.62E-06	1.79E-05	6.02E-07	3.04E-05	1.02E-06
360.188	4249.929	1.03E+00	2.90E-02	4.83E-05	1.44E-06	1.79E-05	5.35E-07	3.04E-05	9.09E-07
360.18	4250.032	9.21E-01	2.90E-02	4.83E-05	1.29E-06	1.79E-05	4.78E-07	3.04E-05	8.12E-07
360.091	4250.02	8.48E-01	2.90E-02	4.83E-05	1.19E-06	1.79E-05	4.40E-07	3.04E-05	7.48E-07
360.003	4250.007	7.88E-01	2.90E-02	4.83E-05	1.10E-06	1.79E-05	4.09E-07	3.04E-05	6.95E-07
359.914	4249.995	7.39E-01	2.90E-02	4.83E-05	1.04E-06	1.79E-05	3.84E-07	3.04E-05	6.52E-07
360.269	4249.127	3.20E+00	2.90E-02	4.83E-05	4.49E-06	1.79E-05	1.66E-06	3.04E-05	2.82E-06
360.334	4249.128	3.44E+00	2.90E-02	4.83E-05	4.82E-06	1.79E-05	1.79E-06	3.04E-05	3.04E-06
360.403	4249.137	3.69E+00	2.90E-02	4.83E-05	5.17E-06	1.79E-05	1.91E-06	3.04E-05	3.25E-06
360.498	4249.157	4.10E+00	2.90E-02	4.83E-05	5.75E-06	1.79E-05	2.13E-06	3.04E-05	3.62E-06
360.592	4249.185	3.93E+00	2.90E-02	4.83E-05	5.50E-06	1.79E-05	2.04E-06	3.04E-05	3.46E-06
360.678	4249.21	3.22E+00	2.90E-02	4.83E-05	4.51E-06	1.79E-05	1.67E-06	3.04E-05	2.84E-06
360.632	4249.294	2.71E+00	2.90E-02	4.83E-05	3.80E-06	1.79E-05	1.41E-06	3.04E-05	2.39E-06
360.585	4249.378	2.33E+00	2.90E-02	4.83E-05	3.27E-06	1.79E-05	1.21E-06	3.04E-05	2.06E-06
360.538	4249.462	2.01E+00	2.90E-02	4.83E-05	2.81E-06	1.79E-05	1.04E-06	3.04E-05	1.77E-06
360.491	4249.545	1.80E+00	2.90E-02	4.83E-05	2.52E-06	1.79E-05	9.35E-07	3.04E-05	1.59E-06
360.444	4249.629	1.57E+00	2.90E-02	4.83E-05	2.19E-06	1.79E-05	8.13E-07	3.04E-05	1.38E-06
360.397	4249.713	1.42E+00	2.90E-02	4.83E-05	1.99E-06	1.79E-05	7.39E-07	3.04E-05	1.25E-06
360.35	4249.797	1.27E+00	2.90E-02	4.83E-05	1.78E-06	1.79E-05	6.59E-07	3.04E-05	1.12E-06
360.277	4249.8	1.27E+00	2.90E-02	4.83E-05	1.78E-06	1.79E-05	6.58E-07	3.04E-05	1.12E-06
360.233	4249.168	2.93E+00	2.90E-02	4.83E-05	4.10E-06	1.79E-05	1.52E-06	3.04E-05	2.58E-06
360.049	4248.941	2.97E+00	2.90E-02	4.83E-05	4.16E-06	1.79E-05	1.54E-06	3.04E-05	2.62E-06
359.958	4248.92	2.52E+00	2.90E-02	4.83E-05	3.54E-06	1.79E-05	1.31E-06	3.04E-05	2.23E-06
359.868	4248.894	2.29E+00	2.90E-02	4.83E-05	3.21E-06	1.79E-05	1.19E-06	3.04E-05	2.02E-06
359.743	4248.646	2.09E+00	2.90E-02	4.83E-05	2.92E-06	1.79E-05	1.08E-06	3.04E-05	1.84E-06
359.749	4248.592	2.12E+00	2.90E-02	4.83E-05	2.96E-06	1.79E-05	1.10E-06	3.04E-05	1.87E-06
359.754	4248.513	2.15E+00	2.90E-02	4.83E-05	3.02E-06	1.79E-05	1.12E-06	3.04E-05	1.90E-06
359.751	4248.443	2.20E+00	2.90E-02	4.83E-05	3.08E-06	1.79E-05	1.14E-06	3.04E-05	1.94E-06
359.839	4248.354	2.76E+00	2.90E-02	4.83E-05	3.86E-06	1.79E-05	1.43E-06	3.04E-05	2.43E-06
359.934	4248.308	3.53E+00	2.90E-02	4.83E-05	4.94E-06	1.79E-05	1.83E-06	3.04E-05	3.11E-06
360.03	4248.262	4.61E+00	2.90E-02	4.83E-05	6.46E-06	1.79E-05	2.39E-06	3.04E-05	4.07E-06
360.23	4248.121	1.19E+01	2.90E-02	4.83E-05	1.67E-05	1.79E-05	6.20E-06	3.04E-05	1.05E-05
360.196	4248.694	5.63E+00	2.90E-02	4.83E-05	7.89E-06	1.79E-05	2.92E-06	3.04E-05	4.97E-06
360.188	4248.787	4.89E+00	2.90E-02	4.83E-05	6.84E-06	1.79E-05	2.54E-06	3.04E-05	4.31E-06
360.186	4248.85	4.47E+00	2.90E-02	4.83E-05	6.26E-06	1.79E-05	2.32E-06	3.04E-05	3.94E-06
360.187	4248.927	4.02E+00	2.90E-02	4.83E-05	5.63E-06	1.79E-05	2.09E-06	3.04E-05	3.54E-06
360.728	4248.992	5.75E+00	2.90E-02	4.83E-05	8.05E-06	1.79E-05	2.98E-06	3.04E-05	5.07E-06
360.4	4248.912	7.17E+00	2.90E-02	4.83E-05	1.00E-05	1.79E-05	3.72E-06	3.04E-05	6.32E-06
360.341	4248.904	6.34E+00	2.90E-02	4.83E-05	8.87E-06	1.79E-05	3.29E-06	3.04E-05	5.59E-06
360.253	4248.902	4.92E+00	2.90E-02	4.83E-05	6.89E-06	1.79E-05	2.55E-06	3.04E-05	4.34E-06
360.239	4248.398	8.06E+00	2.90E-02	4.83E-05	1.13E-05	1.79E-05	4.18E-06	3.04E-05	7.11E-06
360.289	4248.002	2.34E+01	2.90E-02	4.83E-05	3.28E-05	1.79E-05	1.22E-05	3.04E-05	2.07E-05
360.302	4247.704	2.27E+02	2.90E-02	4.83E-05	3.17E-04	1.79E-05	1.18E-04	3.04E-05	2.00E-04
360.305	4247.6	1.53E+01	2.90E-02	4.83E-05	2.14E-05	1.79E-05	7.93E-06	3.04E-05	1.35E-05
360.302	4247.5	8.68E+00	2.90E-02	4.83E-05	1.22E-05	1.79E-05	4.50E-06	3.04E-05	7.65E-06
360.301	4247.402	5.31E+00	2.90E-02	4.83E-05	7.44E-06	1.79E-05	2.76E-06	3.04E-05	4.68E-06
360.293	4247.104	1.54E+00	2.90E-02	4.83E-05	2.16E-06	1.79E-05	7.99E-07	3.04E-05	1.36E-06
360.296	4246.694	6.91E-01	2.90E-02	4.83E-05	9.67E-07	1.79E-05	3.58E-07	3.04E-05	6.09E-07
360.295	4246.592	5.94E-01	2.90E-02	4.83E-05	8.32E-07	1.79E-05	3.08E-07	3.04E-05	5.24E-07
360.298	4246.497	4.95E-01	2.90E-02	4.83E-05	6.94E-07	1.79E-05	2.57E-07	3.04E-05	4.37E-07
360.3	4246.446	4.63E-01	2.90E-02	4.83E-05	6.48E-07	1.79E-05	2.40E-07	3.04E-05	4.08E-07
360.299	4246.33	4.11E-01	2.90E-02	4.83E-05	5.75E-07	1.79E-05	2.13E-07	3.04E-05	3.62E-07
360.328	4246.639	6.12E-01	2.90E-02	4.83E-05	8.57E-07	1.79E-05	3.18E-07	3.04E-05	5.40E-07
360.337	4246.747	6.60E-01	2.90E-02	4.83E-05	9.24E-07	1.79E-05	3.42E-07	3.04E-05	5.82E-07
360.383	4246.773	6.86E-01	2.90E-02	4.83E-05	9.60E-07	1.79E-05	3.56E-07	3.04E-05	6.04E-07

CANCER RISKS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
1,3-BUTADIENE - TASK 1 - CENTRAL TENDENCY

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	CSF	EXP # (LC)	LIFETIME CANCER RISK	EXP # (AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	1.50E-02	1.80E+00	4.83E-05	1.30E-06	1.79E-05	4.82E-07	3.04E-05	8.18E-07
359.84	4249.884	1.62E-02	1.80E+00	4.83E-05	1.41E-06	1.79E-05	5.21E-07	3.04E-05	8.84E-07
359.86	4249.794	1.86E-02	1.80E+00	4.83E-05	1.62E-06	1.79E-05	6.00E-07	3.04E-05	1.02E-06
359.875	4249.736	2.05E-02	1.80E+00	4.83E-05	1.78E-06	1.79E-05	6.60E-07	3.04E-05	1.12E-06
359.806	4249.729	1.92E-02	1.80E+00	4.83E-05	1.67E-06	1.79E-05	6.19E-07	3.04E-05	1.05E-06
359.818	4249.667	2.13E-02	1.80E+00	4.83E-05	1.85E-06	1.79E-05	6.85E-07	3.04E-05	1.16E-06
359.827	4249.617	2.32E-02	1.80E+00	4.83E-05	2.02E-06	1.79E-05	7.47E-07	3.04E-05	1.27E-06
359.836	4249.56	2.54E-02	1.80E+00	4.83E-05	2.21E-06	1.79E-05	8.20E-07	3.04E-05	1.39E-06
359.849	4249.506	2.78E-02	1.80E+00	4.83E-05	2.42E-06	1.79E-05	8.97E-07	3.04E-05	1.52E-06
359.888	4249.439	3.25E-02	1.80E+00	4.83E-05	2.82E-06	1.79E-05	1.05E-06	3.04E-05	1.78E-06
359.939	4249.397	3.79E-02	1.80E+00	4.83E-05	3.30E-06	1.79E-05	1.22E-06	3.04E-05	2.07E-06
359.984	4249.373	4.23E-02	1.80E+00	4.83E-05	3.68E-06	1.79E-05	1.36E-06	3.04E-05	2.32E-06
360.032	4249.325	5.00E-02	1.80E+00	4.83E-05	4.35E-06	1.79E-05	1.61E-06	3.04E-05	2.74E-06
360.068	4249.275	5.74E-02	1.80E+00	4.83E-05	4.99E-06	1.79E-05	1.85E-06	3.04E-05	3.14E-06
360.088	4249.225	6.46E-02	1.80E+00	4.83E-05	5.62E-06	1.79E-05	2.08E-06	3.04E-05	3.54E-06
360.06	4249.18	6.59E-02	1.80E+00	4.83E-05	5.73E-06	1.79E-05	2.12E-06	3.04E-05	3.61E-06
360.115	4249.143	6.91E-02	1.80E+00	4.83E-05	6.01E-06	1.79E-05	2.23E-06	3.04E-05	3.78E-06
360.171	4249.034	1.11E-01	1.80E+00	4.83E-05	9.64E-06	1.79E-05	3.57E-06	3.04E-05	6.07E-06
360.171	4249.149	8.68E-02	1.80E+00	4.83E-05	7.55E-06	1.79E-05	2.80E-06	3.04E-05	4.75E-06
360.198	4249.204	8.28E-02	1.80E+00	4.83E-05	7.20E-06	1.79E-05	2.67E-06	3.04E-05	4.53E-06
360.2	4249.26	7.46E-02	1.80E+00	4.83E-05	6.49E-06	1.79E-05	2.40E-06	3.04E-05	4.08E-06
360.199	4249.312	6.70E-02	1.80E+00	4.83E-05	5.82E-06	1.79E-05	2.16E-06	3.04E-05	3.66E-06
360.195	4249.375	5.80E-02	1.80E+00	4.83E-05	5.05E-06	1.79E-05	1.87E-06	3.04E-05	3.18E-06
360.191	4249.427	5.16E-02	1.80E+00	4.83E-05	4.49E-06	1.79E-05	1.66E-06	3.04E-05	2.82E-06
360.189	4249.503	4.44E-02	1.80E+00	4.83E-05	3.86E-06	1.79E-05	1.43E-06	3.04E-05	2.43E-06
360.186	4249.569	3.97E-02	1.80E+00	4.83E-05	3.45E-06	1.79E-05	1.28E-06	3.04E-05	2.17E-06
360.178	4249.644	3.51E-02	1.80E+00	4.83E-05	3.05E-06	1.79E-05	1.13E-06	3.04E-05	1.92E-06
360.178	4249.719	3.15E-02	1.80E+00	4.83E-05	2.73E-06	1.79E-05	1.01E-06	3.04E-05	1.72E-06
360.186	4249.823	2.75E-02	1.80E+00	4.83E-05	2.39E-06	1.79E-05	8.87E-07	3.04E-05	1.51E-06
360.188	4249.929	2.35E-02	1.80E+00	4.83E-05	2.04E-06	1.79E-05	7.56E-07	3.04E-05	1.28E-06
360.18	4250.032	2.01E-02	1.80E+00	4.83E-05	1.75E-06	1.79E-05	6.49E-07	3.04E-05	1.10E-06
360.091	4250.02	1.79E-02	1.80E+00	4.83E-05	1.56E-06	1.79E-05	5.78E-07	3.04E-05	9.81E-07
360.003	4250.007	1.63E-02	1.80E+00	4.83E-05	1.42E-06	1.79E-05	5.25E-07	3.04E-05	8.92E-07
359.914	4249.995	1.50E-02	1.80E+00	4.83E-05	1.31E-06	1.79E-05	4.85E-07	3.04E-05	8.23E-07
360.269	4249.127	1.04E-01	1.80E+00	4.83E-05	9.03E-06	1.79E-05	3.35E-06	3.04E-05	5.68E-06
360.334	4249.128	1.12E-01	1.80E+00	4.83E-05	9.76E-06	1.79E-05	3.62E-06	3.04E-05	6.14E-06
360.403	4249.137	1.27E-01	1.80E+00	4.83E-05	1.10E-05	1.79E-05	4.08E-06	3.04E-05	6.93E-06
360.498	4249.157	1.66E-01	1.80E+00	4.83E-05	1.45E-05	1.79E-05	5.36E-06	3.04E-05	9.10E-06
360.592	4249.185	1.59E-01	1.80E+00	4.83E-05	1.38E-05	1.79E-05	5.12E-06	3.04E-05	8.70E-06
360.678	4249.21	1.09E-01	1.80E+00	4.83E-05	9.51E-06	1.79E-05	3.53E-06	3.04E-05	5.99E-06
360.632	4249.294	8.56E-02	1.80E+00	4.83E-05	7.44E-06	1.79E-05	2.76E-06	3.04E-05	4.68E-06
360.585	4249.378	6.91E-02	1.80E+00	4.83E-05	6.01E-06	1.79E-05	2.23E-06	3.04E-05	3.78E-06
360.538	4249.462	5.43E-02	1.80E+00	4.83E-05	4.72E-06	1.79E-05	1.75E-06	3.04E-05	2.97E-06
360.491	4249.545	4.61E-02	1.80E+00	4.83E-05	4.01E-06	1.79E-05	1.48E-06	3.04E-05	2.52E-06
360.444	4249.629	3.71E-02	1.80E+00	4.83E-05	3.23E-06	1.79E-05	1.20E-06	3.04E-05	2.03E-06
360.397	4249.713	3.25E-02	1.80E+00	4.83E-05	2.82E-06	1.79E-05	1.05E-06	3.04E-05	1.78E-06
360.35	4249.797	2.76E-02	1.80E+00	4.83E-05	2.40E-06	1.79E-05	8.90E-07	3.04E-05	1.51E-06
360.277	4249.8	3.02E-02	1.80E+00	4.83E-05	2.63E-06	1.79E-05	9.74E-07	3.04E-05	1.65E-06
360.233	4249.168	9.56E-02	1.80E+00	4.83E-05	8.31E-06	1.79E-05	3.08E-06	3.04E-05	5.23E-06
360.049	4248.941	9.02E-02	1.80E+00	4.83E-05	7.84E-06	1.79E-05	2.91E-06	3.04E-05	4.94E-06
359.958	4248.92	6.77E-02	1.80E+00	4.83E-05	5.88E-06	1.79E-05	2.18E-06	3.04E-05	3.70E-06
359.868	4248.894	5.60E-02	1.80E+00	4.83E-05	4.87E-06	1.79E-05	1.80E-06	3.04E-05	3.06E-06
359.743	4248.646	4.07E-02	1.80E+00	4.83E-05	3.54E-06	1.79E-05	1.31E-06	3.04E-05	2.23E-06
359.749	4248.592	4.05E-02	1.80E+00	4.83E-05	3.52E-06	1.79E-05	1.31E-06	3.04E-05	2.22E-06
359.754	4248.513	3.97E-02	1.80E+00	4.83E-05	3.45E-06	1.79E-05	1.28E-06	3.04E-05	2.17E-06
359.751	4248.443	3.81E-02	1.80E+00	4.83E-05	3.31E-06	1.79E-05	1.23E-06	3.04E-05	2.09E-06
359.839	4248.354	4.42E-02	1.80E+00	4.83E-05	3.84E-06	1.79E-05	1.42E-06	3.04E-05	2.42E-06
359.934	4248.308	5.31E-02	1.80E+00	4.83E-05	4.62E-06	1.79E-05	1.71E-06	3.04E-05	2.91E-06
360.03	4248.262	6.02E-02	1.80E+00	4.83E-05	5.23E-06	1.79E-05	1.94E-06	3.04E-05	3.29E-06
360.23	4248.121	7.05E-02	1.80E+00	4.83E-05	6.13E-06	1.79E-05	2.27E-06	3.04E-05	3.86E-06
360.196	4248.694	1.73E-01	1.80E+00	4.83E-05	1.50E-05	1.79E-05	5.56E-06	3.04E-05	9.44E-06
360.188	4248.787	1.63E-01	1.80E+00	4.83E-05	1.41E-05	1.79E-05	5.24E-06	3.04E-05	8.90E-06
360.186	4248.85	1.55E-01	1.80E+00	4.83E-05	1.35E-05	1.79E-05	4.99E-06	3.04E-05	8.47E-06
360.187	4248.927	1.41E-01	1.80E+00	4.83E-05	1.23E-05	1.79E-05	4.56E-06	3.04E-05	7.74E-06
360.728	4248.992	2.40E-01	1.80E+00	4.83E-05	2.08E-05	1.79E-05	7.72E-06	3.04E-05	1.31E-05
360.4	4248.912	3.53E-01	1.80E+00	4.83E-05	3.07E-05	1.79E-05	1.14E-05	3.04E-05	1.93E-05
360.341	4248.904	2.77E-01	1.80E+00	4.83E-05	2.41E-05	1.79E-05	8.92E-06	3.04E-05	1.51E-05
360.253	4248.902	1.89E-01	1.80E+00	4.83E-05	1.64E-05	1.79E-05	6.09E-06	3.04E-05	1.03E-05
360.239	4248.398	1.46E-01	1.80E+00	4.83E-05	1.27E-05	1.79E-05	4.69E-06	3.04E-05	7.96E-06
360.289	4248.002	6.06E-02	1.80E+00	4.83E-05	5.27E-06	1.79E-05	1.95E-06	3.04E-05	3.32E-06
360.302	4247.704	3.88E-02	1.80E+00	4.83E-05	3.37E-06	1.79E-05	1.25E-06	3.04E-05	2.12E-06
360.305	4247.6	2.91E-02	1.80E+00	4.83E-05	2.53E-06	1.79E-05	9.38E-07	3.04E-05	1.59E-06
360.302	4247.5	2.11E-02	1.80E+00	4.83E-05	1.84E-06	1.79E-05	6.81E-07	3.04E-05	1.16E-06
360.301	4247.402	1.77E-02	1.80E+00	4.83E-05	1.54E-06	1.79E-05	5.69E-07	3.04E-05	9.67E-07
360.293	4247.104	1.40E-02	1.80E+00	4.83E-05	1.22E-06	1.79E-05	4.52E-07	3.04E-05	7.68E-07
360.296	4246.694	5.77E-03	1.80E+00	4.83E-05	5.01E-07	1.79E-05	1.86E-07	3.04E-05	3.16E-07
360.295	4246.592	4.92E-03	1.80E+00	4.83E-05	4.28E-07	1.79E-05	1.59E-07	3.04E-05	2.69E-07
360.298	4246.497	4.06E-03	1.80E+00	4.83E-05	3.53E-07	1.79E-05	1.31E-07	3.04E-05	2.22E-07
360.3	4246.446	3.79E-03	1.80E+00	4.83E-05	3.30E-07	1.79E-05	1.22E-07	3.04E-05	2.08E-07
360.299	4246.33	3.40E-03	1.80E+00	4.83E-05	2.96E-07	1.79E-05	1.10E-07	3.04E-05	1.86E-07
360.328	4246.639	4.99E-03	1.80E+00	4.83E-05	4.34E-07	1.79E-05	1.61E-07	3.04E-05	2.73E-07
360.337	4246.747	5.38E-03	1.80E+00	4.83E-05	4.68E-07	1.79E-05	1.73E-07	3.04E-05	2.95E-07
360.383	4246.773	5.22E-03	1.80E+00	4.83E-05	4.54E-07	1.79E-05	1.68E-07	3.04E-05	2.86E-07

CANCER RISKS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
CARBON TETRACHLORIDE - TASK 1 - CENTRAL TENDENCY

RECEPTOR (x,y) km		CONCENTRATION (ug/m³)	CSF	EXP # (LC)	LIFETIME CANCER RISK	EXP # (AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	3.68E-02	5.30E-02	4.83E-05	9.42E-08	1.79E-05	3.49E-08	3.04E-05	5.93E-08
359.84	4249.884	4.02E-02	5.30E-02	4.83E-05	1.03E-07	1.79E-05	3.82E-08	3.04E-05	6.48E-08
359.86	4249.794	4.72E-02	5.30E-02	4.83E-05	1.21E-07	1.79E-05	4.48E-08	3.04E-05	7.60E-08
359.875	4249.736	5.26E-02	5.30E-02	4.83E-05	1.35E-07	1.79E-05	4.99E-08	3.04E-05	8.47E-08
359.806	4249.729	4.76E-02	5.30E-02	4.83E-05	1.22E-07	1.79E-05	4.52E-08	3.04E-05	7.67E-08
359.818	4249.667	5.31E-02	5.30E-02	4.83E-05	1.36E-07	1.79E-05	5.03E-08	3.04E-05	8.55E-08
359.827	4249.617	5.81E-02	5.30E-02	4.83E-05	1.49E-07	1.79E-05	5.51E-08	3.04E-05	9.35E-08
359.836	4249.56	6.42E-02	5.30E-02	4.83E-05	1.64E-07	1.79E-05	6.09E-08	3.04E-05	1.03E-07
359.849	4249.506	7.11E-02	5.30E-02	4.83E-05	1.82E-07	1.79E-05	6.75E-08	3.04E-05	1.15E-07
359.888	4249.439	8.44E-02	5.30E-02	4.83E-05	2.16E-07	1.79E-05	8.00E-08	3.04E-05	1.36E-07
359.939	4249.397	9.97E-02	5.30E-02	4.83E-05	2.55E-07	1.79E-05	9.45E-08	3.04E-05	1.61E-07
359.984	4249.373	1.14E-01	5.30E-02	4.83E-05	2.91E-07	1.79E-05	1.08E-07	3.04E-05	1.83E-07
360.032	4249.325	1.37E-01	5.30E-02	4.83E-05	3.50E-07	1.79E-05	1.30E-07	3.04E-05	2.20E-07
360.068	4249.275	1.61E-01	5.30E-02	4.83E-05	4.12E-07	1.79E-05	1.53E-07	3.04E-05	2.59E-07
360.088	4249.225	1.84E-01	5.30E-02	4.83E-05	4.72E-07	1.79E-05	1.75E-07	3.04E-05	2.97E-07
360.06	4249.18	1.82E-01	5.30E-02	4.83E-05	4.66E-07	1.79E-05	1.73E-07	3.04E-05	2.93E-07
360.115	4249.143	2.28E-01	5.30E-02	4.83E-05	5.84E-07	1.79E-05	2.16E-07	3.04E-05	3.68E-07
360.171	4249.034	3.36E-01	5.30E-02	4.83E-05	8.60E-07	1.79E-05	3.19E-07	3.04E-05	5.42E-07
360.171	4249.149	2.75E-01	5.30E-02	4.83E-05	7.04E-07	1.79E-05	2.61E-07	3.04E-05	4.43E-07
360.198	4249.204	2.65E-01	5.30E-02	4.83E-05	6.79E-07	1.79E-05	2.52E-07	3.04E-05	4.27E-07
360.2	4249.26	2.34E-01	5.30E-02	4.83E-05	6.00E-07	1.79E-05	2.22E-07	3.04E-05	3.78E-07
360.199	4249.312	2.09E-01	5.30E-02	4.83E-05	5.34E-07	1.79E-05	1.98E-07	3.04E-05	3.36E-07
360.195	4249.375	1.82E-01	5.30E-02	4.83E-05	4.66E-07	1.79E-05	1.73E-07	3.04E-05	2.93E-07
360.191	4249.427	1.63E-01	5.30E-02	4.83E-05	4.18E-07	1.79E-05	1.55E-07	3.04E-05	2.63E-07
360.189	4249.503	1.40E-01	5.30E-02	4.83E-05	3.59E-07	1.79E-05	1.33E-07	3.04E-05	2.26E-07
360.186	4249.569	1.22E-01	5.30E-02	4.83E-05	3.13E-07	1.79E-05	1.16E-07	3.04E-05	1.97E-07
360.178	4249.644	1.04E-01	5.30E-02	4.83E-05	2.66E-07	1.79E-05	9.88E-08	3.04E-05	1.68E-07
360.178	4249.719	9.01E-02	5.30E-02	4.83E-05	2.31E-07	1.79E-05	8.55E-08	3.04E-05	1.45E-07
360.186	4249.823	7.46E-02	5.30E-02	4.83E-05	1.91E-07	1.79E-05	7.08E-08	3.04E-05	1.20E-07
360.188	4249.929	6.11E-02	5.30E-02	4.83E-05	1.56E-07	1.79E-05	5.79E-08	3.04E-05	9.84E-08
360.18	4250.032	5.05E-02	5.30E-02	4.83E-05	1.29E-07	1.79E-05	4.79E-08	3.04E-05	8.13E-08
360.091	4250.02	4.57E-02	5.30E-02	4.83E-05	1.17E-07	1.79E-05	4.34E-08	3.04E-05	7.37E-08
360.003	4250.007	4.19E-02	5.30E-02	4.83E-05	1.07E-07	1.79E-05	3.98E-08	3.04E-05	6.75E-08
359.914	4249.995	3.80E-02	5.30E-02	4.83E-05	9.72E-08	1.79E-05	3.60E-08	3.04E-05	6.12E-08
360.269	4249.127	4.27E-01	5.30E-02	4.83E-05	1.09E-06	1.79E-05	4.06E-07	3.04E-05	6.89E-07
360.334	4249.128	5.68E-01	5.30E-02	4.83E-05	1.46E-06	1.79E-05	5.39E-07	3.04E-05	9.16E-07
360.403	4249.137	7.43E-01	5.30E-02	4.83E-05	1.90E-06	1.79E-05	7.05E-07	3.04E-05	1.20E-06
360.498	4249.157	9.32E-01	5.30E-02	4.83E-05	2.39E-06	1.79E-05	8.84E-07	3.04E-05	1.50E-06
360.592	4249.185	8.05E-01	5.30E-02	4.83E-05	2.06E-06	1.79E-05	7.64E-07	3.04E-05	1.30E-06
360.678	4249.21	5.70E-01	5.30E-02	4.83E-05	1.46E-06	1.79E-05	5.41E-07	3.04E-05	9.18E-07
360.632	4249.294	4.28E-01	5.30E-02	4.83E-05	1.10E-06	1.79E-05	4.06E-07	3.04E-05	6.90E-07
360.585	4249.378	3.11E-01	5.30E-02	4.83E-05	7.96E-07	1.79E-05	2.95E-07	3.04E-05	5.01E-07
360.538	4249.462	2.19E-01	5.30E-02	4.83E-05	5.60E-07	1.79E-05	2.07E-07	3.04E-05	3.52E-07
360.491	4249.545	1.77E-01	5.30E-02	4.83E-05	4.54E-07	1.79E-05	1.68E-07	3.04E-05	2.86E-07
360.444	4249.629	1.24E-01	5.30E-02	4.83E-05	3.18E-07	1.79E-05	1.18E-07	3.04E-05	2.00E-07
360.397	4249.713	1.11E-01	5.30E-02	4.83E-05	2.84E-07	1.79E-05	1.05E-07	3.04E-05	1.79E-07
360.35	4249.797	9.07E-02	5.30E-02	4.83E-05	2.32E-07	1.79E-05	8.61E-08	3.04E-05	1.46E-07
360.277	4249.8	8.93E-02	5.30E-02	4.83E-05	2.29E-07	1.79E-05	8.47E-08	3.04E-05	1.44E-07
360.233	4249.168	3.28E-01	5.30E-02	4.83E-05	8.39E-07	1.79E-05	3.11E-07	3.04E-05	5.28E-07
360.049	4248.941	2.01E-01	5.30E-02	4.83E-05	5.15E-07	1.79E-05	1.91E-07	3.04E-05	3.24E-07
359.958	4248.92	1.44E-01	5.30E-02	4.83E-05	3.68E-07	1.79E-05	1.36E-07	3.04E-05	2.32E-07
359.868	4248.894	1.08E-01	5.30E-02	4.83E-05	2.76E-07	1.79E-05	1.02E-07	3.04E-05	1.74E-07
359.743	4248.646	6.55E-02	5.30E-02	4.83E-05	1.68E-07	1.79E-05	6.21E-08	3.04E-05	1.06E-07
359.749	4248.592	6.31E-02	5.30E-02	4.83E-05	1.61E-07	1.79E-05	5.98E-08	3.04E-05	1.02E-07
359.754	4248.513	5.83E-02	5.30E-02	4.83E-05	1.49E-07	1.79E-05	5.53E-08	3.04E-05	9.39E-08
359.751	4248.443	5.24E-02	5.30E-02	4.83E-05	1.34E-07	1.79E-05	4.97E-08	3.04E-05	8.44E-08
359.839	4248.354	5.45E-02	5.30E-02	4.83E-05	1.39E-07	1.79E-05	5.17E-08	3.04E-05	8.77E-08
359.934	4248.308	6.06E-02	5.30E-02	4.83E-05	1.55E-07	1.79E-05	5.75E-08	3.04E-05	9.77E-08
360.03	4248.262	6.57E-02	5.30E-02	4.83E-05	1.68E-07	1.79E-05	6.23E-08	3.04E-05	1.06E-07
360.23	4248.121	5.70E-02	5.30E-02	4.83E-05	1.46E-07	1.79E-05	5.41E-08	3.04E-05	9.19E-08
360.196	4248.694	3.38E-01	5.30E-02	4.83E-05	8.66E-07	1.79E-05	3.21E-07	3.04E-05	5.45E-07
360.188	4248.787	3.76E-01	5.30E-02	4.83E-05	9.63E-07	1.79E-05	3.57E-07	3.04E-05	6.06E-07
360.186	4248.85	3.91E-01	5.30E-02	4.83E-05	1.00E-06	1.79E-05	3.71E-07	3.04E-05	6.30E-07
360.187	4248.927	3.93E-01	5.30E-02	4.83E-05	1.01E-06	1.79E-05	3.73E-07	3.04E-05	6.33E-07
360.728	4248.992	1.22E+00	5.30E-02	4.83E-05	3.13E-06	1.79E-05	1.16E-06	3.04E-05	1.97E-06
360.4	4248.912	1.53E+00	5.30E-02	4.83E-05	3.91E-06	1.79E-05	1.45E-06	3.04E-05	2.46E-06
360.341	4248.904	1.07E+00	5.30E-02	4.83E-05	2.73E-06	1.79E-05	1.01E-06	3.04E-05	1.72E-06
360.253	4248.902	5.95E-01	5.30E-02	4.83E-05	1.52E-06	1.79E-05	5.64E-07	3.04E-05	9.58E-07
360.239	4248.398	1.50E-01	5.30E-02	4.83E-05	3.83E-07	1.79E-05	1.42E-07	3.04E-05	2.41E-07
360.289	4248.002	4.27E-02	5.30E-02	4.83E-05	1.09E-07	1.79E-05	4.05E-08	3.04E-05	6.88E-08
360.302	4247.704	2.08E-02	5.30E-02	4.83E-05	5.33E-08	1.79E-05	1.98E-08	3.04E-05	3.36E-08
360.305	4247.6	1.69E-02	5.30E-02	4.83E-05	4.32E-08	1.79E-05	1.60E-08	3.04E-05	2.72E-08
360.302	4247.5	1.40E-02	5.30E-02	4.83E-05	3.58E-08	1.79E-05	1.33E-08	3.04E-05	2.25E-08
360.301	4247.402	1.18E-02	5.30E-02	4.83E-05	3.03E-08	1.79E-05	1.12E-08	3.04E-05	1.91E-08
360.293	4247.104	7.70E-03	5.30E-02	4.83E-05	1.97E-08	1.79E-05	7.31E-09	3.04E-05	1.24E-08
360.296	4246.694	5.00E-03	5.30E-02	4.83E-05	1.28E-08	1.79E-05	4.74E-09	3.04E-05	8.05E-09
360.295	4246.592	4.57E-03	5.30E-02	4.83E-05	1.17E-08	1.79E-05	4.33E-09	3.04E-05	7.36E-09
360.298	4246.497	4.20E-03	5.30E-02	4.83E-05	1.08E-08	1.79E-05	3.99E-09	3.04E-05	6.77E-09
360.3	4246.446	4.03E-03	5.30E-02	4.83E-05	1.03E-08	1.79E-05	3.83E-09	3.04E-05	6.50E-09
360.299	4246.33	3.68E-03	5.30E-02	4.83E-05	9.41E-09	1.79E-05	3.49E-09	3.04E-05	5.92E-09
360.328	4246.639	4.79E-03	5.30E-02	4.83E-05	1.23E-08	1.79E-05	4.55E-09	3.04E-05	7.72E-09
360.337	4246.747	5.23E-03	5.30E-02	4.83E-05	1.34E-08	1.79E-05	4.96E-09	3.04E-05	8.42E-09
360.383	4246.773	4.57E-03	5.30E-02	4.83E-05	1.17E-08	1.79E-05	4.34E-09	3.04E-05	7.37E-09

CANCER RISKS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
ARSENIC - TASK 3 - CENTRAL TENDENCY

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	CSF	EXP # (LC)	LIFETIME CANCER RISK	EXP # (AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	9.45E-04	1.51E+01	4.83E-05	6.90E-07	1.79E-05	2.56E-07	3.04E-05	4.34E-07
359.84	4249.884	9.90E-04	1.51E+01	4.83E-05	7.22E-07	1.79E-05	2.68E-07	3.04E-05	4.54E-07
359.86	4249.794	1.09E-03	1.51E+01	4.83E-05	7.96E-07	1.79E-05	2.95E-07	3.04E-05	5.01E-07
359.875	4249.736	1.16E-03	1.51E+01	4.83E-05	8.48E-07	1.79E-05	3.14E-07	3.04E-05	5.34E-07
359.806	4249.729	1.09E-03	1.51E+01	4.83E-05	7.98E-07	1.79E-05	2.96E-07	3.04E-05	5.03E-07
359.818	4249.667	1.17E-03	1.51E+01	4.83E-05	8.50E-07	1.79E-05	3.15E-07	3.04E-05	5.35E-07
359.827	4249.617	1.22E-03	1.51E+01	4.83E-05	8.87E-07	1.79E-05	3.29E-07	3.04E-05	5.59E-07
359.836	4249.56	1.27E-03	1.51E+01	4.83E-05	9.28E-07	1.79E-05	3.44E-07	3.04E-05	5.84E-07
359.849	4249.506	1.33E-03	1.51E+01	4.83E-05	9.74E-07	1.79E-05	3.61E-07	3.04E-05	6.13E-07
359.888	4249.439	1.48E-03	1.51E+01	4.83E-05	1.08E-06	1.79E-05	4.00E-07	3.04E-05	6.80E-07
359.939	4249.397	1.66E-03	1.51E+01	4.83E-05	1.21E-06	1.79E-05	4.49E-07	3.04E-05	7.63E-07
359.984	4249.373	1.80E-03	1.51E+01	4.83E-05	1.31E-06	1.79E-05	4.87E-07	3.04E-05	8.27E-07
360.032	4249.325	2.03E-03	1.51E+01	4.83E-05	1.48E-06	1.79E-05	5.50E-07	3.04E-05	9.34E-07
360.068	4249.275	2.20E-03	1.51E+01	4.83E-05	1.60E-06	1.79E-05	5.94E-07	3.04E-05	1.01E-06
360.088	4249.225	2.35E-03	1.51E+01	4.83E-05	1.71E-06	1.79E-05	6.35E-07	3.04E-05	1.08E-06
360.06	4249.18	2.37E-03	1.51E+01	4.83E-05	1.73E-06	1.79E-05	6.40E-07	3.04E-05	1.09E-06
360.115	4249.143	2.60E-03	1.51E+01	4.83E-05	1.89E-06	1.79E-05	7.02E-07	3.04E-05	1.19E-06
360.171	4249.034	3.29E-03	1.51E+01	4.83E-05	2.40E-06	1.79E-05	8.88E-07	3.04E-05	1.51E-06
360.171	4249.149	2.72E-03	1.51E+01	4.83E-05	1.98E-06	1.79E-05	7.34E-07	3.04E-05	1.25E-06
360.198	4249.204	2.59E-03	1.51E+01	4.83E-05	1.89E-06	1.79E-05	7.01E-07	3.04E-05	1.19E-06
360.2	4249.26	2.45E-03	1.51E+01	4.83E-05	1.78E-06	1.79E-05	6.61E-07	3.04E-05	1.12E-06
360.199	4249.312	2.31E-03	1.51E+01	4.83E-05	1.68E-06	1.79E-05	6.24E-07	3.04E-05	1.06E-06
360.195	4249.375	2.13E-03	1.51E+01	4.83E-05	1.55E-06	1.79E-05	5.76E-07	3.04E-05	9.78E-07
360.191	4249.427	1.99E-03	1.51E+01	4.83E-05	1.45E-06	1.79E-05	5.37E-07	3.04E-05	9.12E-07
360.189	4249.503	1.83E-03	1.51E+01	4.83E-05	1.34E-06	1.79E-05	4.95E-07	3.04E-05	8.41E-07
360.186	4249.569	1.72E-03	1.51E+01	4.83E-05	1.26E-06	1.79E-05	4.65E-07	3.04E-05	7.90E-07
360.178	4249.644	1.63E-03	1.51E+01	4.83E-05	1.19E-06	1.79E-05	4.39E-07	3.04E-05	7.46E-07
360.178	4249.719	1.52E-03	1.51E+01	4.83E-05	1.11E-06	1.79E-05	4.11E-07	3.04E-05	6.98E-07
360.186	4249.823	1.38E-03	1.51E+01	4.83E-05	1.01E-06	1.79E-05	3.74E-07	3.04E-05	6.34E-07
360.188	4249.929	1.24E-03	1.51E+01	4.83E-05	9.05E-07	1.79E-05	3.35E-07	3.04E-05	5.70E-07
360.18	4250.032	1.16E-03	1.51E+01	4.83E-05	8.48E-07	1.79E-05	3.14E-07	3.04E-05	5.34E-07
360.091	4250.02	1.13E-03	1.51E+01	4.83E-05	8.21E-07	1.79E-05	3.04E-07	3.04E-05	5.17E-07
360.003	4250.007	1.06E-03	1.51E+01	4.83E-05	7.74E-07	1.79E-05	2.87E-07	3.04E-05	4.87E-07
359.914	4249.995	9.91E-04	1.51E+01	4.83E-05	7.23E-07	1.79E-05	2.68E-07	3.04E-05	4.55E-07
360.269	4249.127	2.86E-03	1.51E+01	4.83E-05	2.09E-06	1.79E-05	7.73E-07	3.04E-05	1.31E-06
360.334	4249.128	2.88E-03	1.51E+01	4.83E-05	2.10E-06	1.79E-05	7.77E-07	3.04E-05	1.32E-06
360.403	4249.137	2.81E-03	1.51E+01	4.83E-05	2.05E-06	1.79E-05	7.61E-07	3.04E-05	1.29E-06
360.498	4249.157	2.66E-03	1.51E+01	4.83E-05	1.94E-06	1.79E-05	7.19E-07	3.04E-05	1.22E-06
360.592	4249.185	2.48E-03	1.51E+01	4.83E-05	1.81E-06	1.79E-05	6.70E-07	3.04E-05	1.14E-06
360.678	4249.21	2.21E-03	1.51E+01	4.83E-05	1.61E-06	1.79E-05	5.97E-07	3.04E-05	1.01E-06
360.632	4249.294	2.19E-03	1.51E+01	4.83E-05	1.60E-06	1.79E-05	5.92E-07	3.04E-05	1.01E-06
360.585	4249.378	2.13E-03	1.51E+01	4.83E-05	1.55E-06	1.79E-05	5.75E-07	3.04E-05	9.77E-07
360.538	4249.462	2.02E-03	1.51E+01	4.83E-05	1.47E-06	1.79E-05	5.46E-07	3.04E-05	9.27E-07
360.491	4249.545	1.92E-03	1.51E+01	4.83E-05	1.40E-06	1.79E-05	5.18E-07	3.04E-05	8.80E-07
360.444	4249.629	1.79E-03	1.51E+01	4.83E-05	1.30E-06	1.79E-05	4.82E-07	3.04E-05	8.19E-07
360.397	4249.713	1.66E-03	1.51E+01	4.83E-05	1.21E-06	1.79E-05	4.48E-07	3.04E-05	7.62E-07
360.35	4249.797	1.51E-03	1.51E+01	4.83E-05	1.10E-06	1.79E-05	4.08E-07	3.04E-05	6.94E-07
360.277	4249.8	1.46E-03	1.51E+01	4.83E-05	1.06E-06	1.79E-05	3.94E-07	3.04E-05	6.69E-07
360.233	4249.168	2.73E-03	1.51E+01	4.83E-05	1.99E-06	1.79E-05	7.39E-07	3.04E-05	1.26E-06
360.049	4248.941	3.29E-03	1.51E+01	4.83E-05	2.40E-06	1.79E-05	8.88E-07	3.04E-05	1.51E-06
359.958	4248.92	2.46E-03	1.51E+01	4.83E-05	1.79E-06	1.79E-05	6.64E-07	3.04E-05	1.13E-06
359.868	4248.894	2.23E-03	1.51E+01	4.83E-05	1.63E-06	1.79E-05	6.02E-07	3.04E-05	1.02E-06
359.743	4248.646	1.95E-03	1.51E+01	4.83E-05	1.43E-06	1.79E-05	5.28E-07	3.04E-05	8.97E-07
359.749	4248.592	1.92E-03	1.51E+01	4.83E-05	1.40E-06	1.79E-05	5.20E-07	3.04E-05	8.83E-07
359.754	4248.513	1.72E-03	1.51E+01	4.83E-05	1.25E-06	1.79E-05	4.64E-07	3.04E-05	7.89E-07
359.751	4248.443	1.67E-03	1.51E+01	4.83E-05	1.22E-06	1.79E-05	4.52E-07	3.04E-05	7.68E-07
359.839	4248.354	2.23E-03	1.51E+01	4.83E-05	1.62E-06	1.79E-05	6.02E-07	3.04E-05	1.02E-06
359.934	4248.308	3.56E-03	1.51E+01	4.83E-05	2.60E-06	1.79E-05	9.62E-07	3.04E-05	1.63E-06
360.03	4248.262	6.67E-03	1.51E+01	4.83E-05	4.87E-06	1.79E-05	1.80E-06	3.04E-05	3.06E-06
360.23	4248.121	1.97E-02	1.51E+01	4.83E-05	1.44E-05	1.79E-05	5.32E-06	3.04E-05	9.03E-06
360.196	4248.694	6.41E-03	1.51E+01	4.83E-05	4.68E-06	1.79E-05	1.73E-06	3.04E-05	2.94E-06
360.188	4248.787	4.86E-03	1.51E+01	4.83E-05	3.54E-06	1.79E-05	1.31E-06	3.04E-05	2.23E-06
360.186	4248.85	4.25E-03	1.51E+01	4.83E-05	3.10E-06	1.79E-05	1.15E-06	3.04E-05	1.95E-06
360.187	4248.927	3.86E-03	1.51E+01	4.83E-05	2.82E-06	1.79E-05	1.04E-06	3.04E-05	1.77E-06
360.728	4248.992	2.19E-03	1.51E+01	4.83E-05	1.60E-06	1.79E-05	5.92E-07	3.04E-05	1.01E-06
360.4	4248.912	3.52E-03	1.51E+01	4.83E-05	2.57E-06	1.79E-05	9.51E-07	3.04E-05	1.61E-06
360.341	4248.904	3.71E-03	1.51E+01	4.83E-05	2.71E-06	1.79E-05	1.00E-06	3.04E-05	1.70E-06
360.253	4248.902	3.87E-03	1.51E+01	4.83E-05	2.82E-06	1.79E-05	1.05E-06	3.04E-05	1.78E-06
360.239	4248.398	2.46E-02	1.51E+01	4.83E-05	1.79E-05	1.79E-05	6.64E-06	3.04E-05	1.13E-05
360.289	4248.002	6.53E-03	1.51E+01	4.83E-05	4.77E-06	1.79E-05	1.77E-06	3.04E-05	3.00E-06
360.302	4247.704	1.57E-03	1.51E+01	4.83E-05	1.15E-06	1.79E-05	4.24E-07	3.04E-05	7.21E-07
360.305	4247.6	1.28E-03	1.51E+01	4.83E-05	9.30E-07	1.79E-05	3.45E-07	3.04E-05	5.86E-07
360.302	4247.5	1.05E-03	1.51E+01	4.83E-05	7.68E-07	1.79E-05	2.85E-07	3.04E-05	4.83E-07
360.301	4247.402	8.61E-04	1.51E+01	4.83E-05	6.28E-07	1.79E-05	2.33E-07	3.04E-05	3.95E-07
360.293	4247.104	6.37E-04	1.51E+01	4.83E-05	4.65E-07	1.79E-05	1.72E-07	3.04E-05	2.92E-07
360.296	4246.694	4.49E-04	1.51E+01	4.83E-05	3.27E-07	1.79E-05	1.21E-07	3.04E-05	2.06E-07
360.295	4246.592	4.16E-04	1.51E+01	4.83E-05	3.04E-07	1.79E-05	1.13E-07	3.04E-05	1.91E-07
360.298	4246.497	3.84E-04	1.51E+01	4.83E-05	2.80E-07	1.79E-05	1.04E-07	3.04E-05	1.76E-07
360.3	4246.446	3.73E-04	1.51E+01	4.83E-05	2.72E-07	1.79E-05	1.01E-07	3.04E-05	1.71E-07
360.299	4246.33	3.53E-04	1.51E+01	4.83E-05	2.58E-07	1.79E-05	9.54E-08	3.04E-05	1.62E-07
360.328	4246.639	4.13E-04	1.51E+01	4.83E-05	3.01E-07	1.79E-05	1.12E-07	3.04E-05	1.89E-07
360.337	4246.747	4.32E-04	1.51E+01	4.83E-05	3.15E-07	1.79E-05	1.17E-07	3.04E-05	1.98E-07
360.383	4246.773	4.28E-04	1.51E+01	4.83E-05	3.12E-07	1.79E-05	1.16E-07	3.04E-05	1.96E-07

CANCER RISKS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
BENZENE - TASK 3 - CENTRAL TENDENCY

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	CSF	EXP # (LC)	LIFETIME CANCER RISK	EXP # (AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	5.71E-01	2.90E-02	4.83E-05	8.00E-07	1.79E-05	2.96E-07	3.04E-05	5.03E-07
359.84	4249.884	6.06E-01	2.90E-02	4.83E-05	8.50E-07	1.79E-05	3.15E-07	3.04E-05	5.35E-07
359.86	4249.794	6.80E-01	2.90E-02	4.83E-05	9.52E-07	1.79E-05	3.53E-07	3.04E-05	5.99E-07
359.875	4249.736	7.35E-01	2.90E-02	4.83E-05	1.03E-06	1.79E-05	3.81E-07	3.04E-05	6.48E-07
359.806	4249.729	6.91E-01	2.90E-02	4.83E-05	9.68E-07	1.79E-05	3.59E-07	3.04E-05	6.09E-07
359.818	4249.667	7.50E-01	2.90E-02	4.83E-05	1.05E-06	1.79E-05	3.89E-07	3.04E-05	6.61E-07
359.827	4249.617	8.00E-01	2.90E-02	4.83E-05	1.12E-06	1.79E-05	4.15E-07	3.04E-05	7.06E-07
359.836	4249.56	8.62E-01	2.90E-02	4.83E-05	1.21E-06	1.79E-05	4.48E-07	3.04E-05	7.60E-07
359.849	4249.506	9.30E-01	2.90E-02	4.83E-05	1.30E-06	1.79E-05	4.83E-07	3.04E-05	8.20E-07
359.888	4249.439	1.05E+00	2.90E-02	4.83E-05	1.47E-06	1.79E-05	5.46E-07	3.04E-05	9.28E-07
359.939	4249.397	1.18E+00	2.90E-02	4.83E-05	1.65E-06	1.79E-05	6.13E-07	3.04E-05	1.04E-06
359.984	4249.373	1.29E+00	2.90E-02	4.83E-05	1.80E-06	1.79E-05	6.67E-07	3.04E-05	1.13E-06
360.032	4249.325	1.46E+00	2.90E-02	4.83E-05	2.05E-06	1.79E-05	7.59E-07	3.04E-05	1.29E-06
360.068	4249.275	1.64E+00	2.90E-02	4.83E-05	2.29E-06	1.79E-05	8.49E-07	3.04E-05	1.44E-06
360.088	4249.225	1.81E+00	2.90E-02	4.83E-05	2.53E-06	1.79E-05	9.37E-07	3.04E-05	1.59E-06
360.06	4249.18	1.84E+00	2.90E-02	4.83E-05	2.57E-06	1.79E-05	9.53E-07	3.04E-05	1.62E-06
360.115	4249.143	2.00E+00	2.90E-02	4.83E-05	2.81E-06	1.79E-05	1.04E-06	3.04E-05	1.77E-06
360.171	4249.034	2.78E+00	2.90E-02	4.83E-05	3.89E-06	1.79E-05	1.44E-06	3.04E-05	2.45E-06
360.171	4249.149	2.29E+00	2.90E-02	4.83E-05	3.20E-06	1.79E-05	1.19E-06	3.04E-05	2.02E-06
360.198	4249.204	2.19E+00	2.90E-02	4.83E-05	3.07E-06	1.79E-05	1.14E-06	3.04E-05	1.93E-06
360.2	4249.26	2.01E+00	2.90E-02	4.83E-05	2.82E-06	1.79E-05	1.05E-06	3.04E-05	1.78E-06
360.199	4249.312	1.85E+00	2.90E-02	4.83E-05	2.59E-06	1.79E-05	9.62E-07	3.04E-05	1.63E-06
360.195	4249.375	1.67E+00	2.90E-02	4.83E-05	2.33E-06	1.79E-05	8.64E-07	3.04E-05	1.47E-06
360.191	4249.427	1.53E+00	2.90E-02	4.83E-05	2.14E-06	1.79E-05	7.93E-07	3.04E-05	1.35E-06
360.189	4249.503	1.37E+00	2.90E-02	4.83E-05	1.92E-06	1.79E-05	7.12E-07	3.04E-05	1.21E-06
360.186	4249.569	1.25E+00	2.90E-02	4.83E-05	1.75E-06	1.79E-05	6.50E-07	3.04E-05	1.10E-06
360.178	4249.644	1.14E+00	2.90E-02	4.83E-05	1.60E-06	1.79E-05	5.91E-07	3.04E-05	1.00E-06
360.178	4249.719	1.05E+00	2.90E-02	4.83E-05	1.46E-06	1.79E-05	5.43E-07	3.04E-05	9.22E-07
360.186	4249.823	9.36E-01	2.90E-02	4.83E-05	1.31E-06	1.79E-05	4.86E-07	3.04E-05	8.25E-07
360.188	4249.929	8.28E-01	2.90E-02	4.83E-05	1.16E-06	1.79E-05	4.30E-07	3.04E-05	7.30E-07
360.18	4250.032	7.36E-01	2.90E-02	4.83E-05	1.03E-06	1.79E-05	3.82E-07	3.04E-05	6.49E-07
360.091	4250.02	6.76E-01	2.90E-02	4.83E-05	9.47E-07	1.79E-05	3.51E-07	3.04E-05	5.96E-07
360.003	4250.007	6.26E-01	2.90E-02	4.83E-05	8.77E-07	1.79E-05	3.25E-07	3.04E-05	5.52E-07
359.914	4249.995	5.84E-01	2.90E-02	4.83E-05	8.18E-07	1.79E-05	3.03E-07	3.04E-05	5.15E-07
360.269	4249.127	2.70E+00	2.90E-02	4.83E-05	3.78E-06	1.79E-05	1.40E-06	3.04E-05	2.38E-06
360.334	4249.128	2.90E+00	2.90E-02	4.83E-05	4.07E-06	1.79E-05	1.51E-06	3.04E-05	2.56E-06
360.403	4249.137	3.12E+00	2.90E-02	4.83E-05	4.37E-06	1.79E-05	1.62E-06	3.04E-05	2.75E-06
360.498	4249.157	3.50E+00	2.90E-02	4.83E-05	4.90E-06	1.79E-05	1.82E-06	3.04E-05	3.08E-06
360.592	4249.185	3.34E+00	2.90E-02	4.83E-05	4.68E-06	1.79E-05	1.73E-06	3.04E-05	2.94E-06
360.678	4249.21	2.71E+00	2.90E-02	4.83E-05	3.79E-06	1.79E-05	1.41E-06	3.04E-05	2.39E-06
360.632	4249.294	2.26E+00	2.90E-02	4.83E-05	3.17E-06	1.79E-05	1.18E-06	3.04E-05	2.00E-06
360.585	4249.378	1.94E+00	2.90E-02	4.83E-05	2.71E-06	1.79E-05	1.00E-06	3.04E-05	1.71E-06
360.538	4249.462	1.65E+00	2.90E-02	4.83E-05	2.31E-06	1.79E-05	8.58E-07	3.04E-05	1.46E-06
360.491	4249.545	1.48E+00	2.90E-02	4.83E-05	2.07E-06	1.79E-05	7.66E-07	3.04E-05	1.30E-06
360.444	4249.629	1.28E+00	2.90E-02	4.83E-05	1.79E-06	1.79E-05	6.63E-07	3.04E-05	1.13E-06
360.397	4249.713	1.16E+00	2.90E-02	4.83E-05	1.62E-06	1.79E-05	6.02E-07	3.04E-05	1.02E-06
360.35	4249.797	1.03E+00	2.90E-02	4.83E-05	1.44E-06	1.79E-05	5.34E-07	3.04E-05	9.08E-07
360.277	4249.8	1.03E+00	2.90E-02	4.83E-05	1.44E-06	1.79E-05	5.35E-07	3.04E-05	9.08E-07
360.233	4249.168	2.46E+00	2.90E-02	4.83E-05	3.44E-06	1.79E-05	1.27E-06	3.04E-05	2.17E-06
360.049	4248.941	2.46E+00	2.90E-02	4.83E-05	3.45E-06	1.79E-05	1.28E-06	3.04E-05	2.17E-06
359.958	4248.92	2.07E+00	2.90E-02	4.83E-05	2.90E-06	1.79E-05	1.08E-06	3.04E-05	1.83E-06
359.868	4248.894	1.87E+00	2.90E-02	4.83E-05	2.62E-06	1.79E-05	9.72E-07	3.04E-05	1.65E-06
359.743	4248.646	1.71E+00	2.90E-02	4.83E-05	2.39E-06	1.79E-05	8.87E-07	3.04E-05	1.51E-06
359.749	4248.592	1.73E+00	2.90E-02	4.83E-05	2.43E-06	1.79E-05	8.99E-07	3.04E-05	1.53E-06
359.754	4248.513	1.76E+00	2.90E-02	4.83E-05	2.47E-06	1.79E-05	9.14E-07	3.04E-05	1.55E-06
359.751	4248.443	1.81E+00	2.90E-02	4.83E-05	2.53E-06	1.79E-05	9.39E-07	3.04E-05	1.59E-06
359.839	4248.354	2.27E+00	2.90E-02	4.83E-05	3.18E-06	1.79E-05	1.18E-06	3.04E-05	2.00E-06
359.934	4248.308	2.88E+00	2.90E-02	4.83E-05	4.03E-06	1.79E-05	1.49E-06	3.04E-05	2.54E-06
360.03	4248.262	3.73E+00	2.90E-02	4.83E-05	5.22E-06	1.79E-05	1.93E-06	3.04E-05	3.28E-06
360.23	4248.121	9.69E+00	2.90E-02	4.83E-05	1.36E-05	1.79E-05	5.03E-06	3.04E-05	8.54E-06
360.196	4248.694	4.80E+00	2.90E-02	4.83E-05	6.72E-06	1.79E-05	2.49E-06	3.04E-05	4.23E-06
360.188	4248.787	4.15E+00	2.90E-02	4.83E-05	5.81E-06	1.79E-05	2.15E-06	3.04E-05	3.66E-06
360.186	4248.85	3.78E+00	2.90E-02	4.83E-05	5.30E-06	1.79E-05	1.96E-06	3.04E-05	3.34E-06
360.187	4248.927	3.39E+00	2.90E-02	4.83E-05	4.75E-06	1.79E-05	1.76E-06	3.04E-05	2.99E-06
360.728	4248.992	4.98E+00	2.90E-02	4.83E-05	6.98E-06	1.79E-05	2.59E-06	3.04E-05	4.39E-06
360.4	4248.912	6.24E+00	2.90E-02	4.83E-05	8.75E-06	1.79E-05	3.24E-06	3.04E-05	5.51E-06
360.341	4248.904	5.49E+00	2.90E-02	4.83E-05	7.69E-06	1.79E-05	2.85E-06	3.04E-05	4.84E-06
360.253	4248.902	4.20E+00	2.90E-02	4.83E-05	5.88E-06	1.79E-05	2.18E-06	3.04E-05	3.70E-06
360.239	4248.398	6.60E+00	2.90E-02	4.83E-05	9.25E-06	1.79E-05	3.43E-06	3.04E-05	5.82E-06
360.289	4248.002	1.98E+01	2.90E-02	4.83E-05	2.77E-05	1.79E-05	1.03E-05	3.04E-05	1.74E-05
360.302	4247.704	2.17E+02	2.90E-02	4.83E-05	3.04E-04	1.79E-05	1.13E-04	3.04E-05	1.91E-04
360.305	4247.6	1.30E+01	2.90E-02	4.83E-05	1.82E-05	1.79E-05	6.76E-06	3.04E-05	1.15E-05
360.302	4247.5	7.45E+00	2.90E-02	4.83E-05	1.04E-05	1.79E-05	3.87E-06	3.04E-05	6.57E-06
360.301	4247.402	4.56E+00	2.90E-02	4.83E-05	6.39E-06	1.79E-05	2.37E-06	3.04E-05	4.02E-06
360.293	4247.104	1.23E+00	2.90E-02	4.83E-05	1.72E-06	1.79E-05	6.36E-07	3.04E-05	1.08E-06
360.296	4246.694	5.28E-01	2.90E-02	4.83E-05	7.40E-07	1.79E-05	2.74E-07	3.04E-05	4.66E-07
360.295	4246.592	4.55E-01	2.90E-02	4.83E-05	6.38E-07	1.79E-05	2.36E-07	3.04E-05	4.01E-07
360.298	4246.497	3.88E-01	2.90E-02	4.83E-05	5.43E-07	1.79E-05	2.01E-07	3.04E-05	3.42E-07
360.3	4246.446	3.62E-01	2.90E-02	4.83E-05	5.08E-07	1.79E-05	1.88E-07	3.04E-05	3.20E-07
360.299	4246.33	3.21E-01	2.90E-02	4.83E-05	4.50E-07	1.79E-05	1.67E-07	3.04E-05	2.83E-07
360.328	4246.639	4.79E-01	2.90E-02	4.83E-05	6.70E-07	1.79E-05	2.48E-07	3.04E-05	4.22E-07
360.337	4246.747	5.32E-01	2.90E-02	4.83E-05	7.45E-07	1.79E-05	2.76E-07	3.04E-05	4.69E-07
360.383	4246.773	5.50E-01	2.90E-02	4.83E-05	7.71E-07	1.79E-05	2.86E-07	3.04E-05	4.85E-07

CANCER RISKS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
1,3-BUTADIENE - TASK 3 - CENTRAL TENDENCY

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	CSF	EXP # (LC)	LIFETIME CANCER RISK	EXP # (AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	1.39E-02	1.80E+00	4.83E-05	1.21E-06	1.79E-05	4.47E-07	3.04E-05	7.59E-07
359.84	4249.884	1.51E-02	1.80E+00	4.83E-05	1.31E-06	1.79E-05	4.85E-07	3.04E-05	8.24E-07
359.86	4249.794	1.75E-02	1.80E+00	4.83E-05	1.52E-06	1.79E-05	5.62E-07	3.04E-05	9.55E-07
359.875	4249.736	1.93E-02	1.80E+00	4.83E-05	1.67E-06	1.79E-05	6.21E-07	3.04E-05	1.05E-06
359.806	4249.729	1.81E-02	1.80E+00	4.83E-05	1.57E-06	1.79E-05	5.83E-07	3.04E-05	9.90E-07
359.818	4249.667	2.01E-02	1.80E+00	4.83E-05	1.74E-06	1.79E-05	6.46E-07	3.04E-05	1.10E-06
359.827	4249.617	2.19E-02	1.80E+00	4.83E-05	1.90E-06	1.79E-05	7.06E-07	3.04E-05	1.20E-06
359.836	4249.56	2.41E-02	1.80E+00	4.83E-05	2.09E-06	1.79E-05	7.75E-07	3.04E-05	1.32E-06
359.849	4249.506	2.64E-02	1.80E+00	4.83E-05	2.29E-06	1.79E-05	8.49E-07	3.04E-05	1.44E-06
359.888	4249.439	3.08E-02	1.80E+00	4.83E-05	2.68E-06	1.79E-05	9.92E-07	3.04E-05	1.69E-06
359.939	4249.397	3.61E-02	1.80E+00	4.83E-05	3.14E-06	1.79E-05	1.16E-06	3.04E-05	1.97E-06
359.984	4249.373	4.04E-02	1.80E+00	4.83E-05	3.51E-06	1.79E-05	1.30E-06	3.04E-05	2.21E-06
360.032	4249.325	4.78E-02	1.80E+00	4.83E-05	4.16E-06	1.79E-05	1.54E-06	3.04E-05	2.62E-06
360.068	4249.275	5.50E-02	1.80E+00	4.83E-05	4.78E-06	1.79E-05	1.77E-06	3.04E-05	3.01E-06
360.088	4249.225	6.20E-02	1.80E+00	4.83E-05	5.39E-06	1.79E-05	2.00E-06	3.04E-05	3.39E-06
360.06	4249.18	6.32E-02	1.80E+00	4.83E-05	5.50E-06	1.79E-05	2.04E-06	3.04E-05	3.46E-06
360.115	4249.143	6.63E-02	1.80E+00	4.83E-05	5.77E-06	1.79E-05	2.14E-06	3.04E-05	3.63E-06
360.171	4249.034	1.07E-01	1.80E+00	4.83E-05	9.29E-06	1.79E-05	3.44E-06	3.04E-05	5.85E-06
360.171	4249.149	8.35E-02	1.80E+00	4.83E-05	7.26E-06	1.79E-05	2.69E-06	3.04E-05	4.57E-06
360.198	4249.204	7.95E-02	1.80E+00	4.83E-05	6.91E-06	1.79E-05	2.56E-06	3.04E-05	4.35E-06
360.2	4249.26	7.15E-02	1.80E+00	4.83E-05	6.22E-06	1.79E-05	2.30E-06	3.04E-05	3.91E-06
360.199	4249.312	6.41E-02	1.80E+00	4.83E-05	5.57E-06	1.79E-05	2.06E-06	3.04E-05	3.51E-06
360.195	4249.375	5.54E-02	1.80E+00	4.83E-05	4.82E-06	1.79E-05	1.79E-06	3.04E-05	3.03E-06
360.191	4249.427	4.92E-02	1.80E+00	4.83E-05	4.28E-06	1.79E-05	1.58E-06	3.04E-05	2.69E-06
360.189	4249.503	4.22E-02	1.80E+00	4.83E-05	3.67E-06	1.79E-05	1.36E-06	3.04E-05	2.31E-06
360.186	4249.569	3.76E-02	1.80E+00	4.83E-05	3.27E-06	1.79E-05	1.21E-06	3.04E-05	2.06E-06
360.178	4249.644	3.31E-02	1.80E+00	4.83E-05	2.88E-06	1.79E-05	1.07E-06	3.04E-05	1.81E-06
360.178	4249.719	2.96E-02	1.80E+00	4.83E-05	2.57E-06	1.79E-05	9.53E-07	3.04E-05	1.62E-06
360.186	4249.823	2.59E-02	1.80E+00	4.83E-05	2.25E-06	1.79E-05	8.34E-07	3.04E-05	1.42E-06
360.188	4249.929	2.21E-02	1.80E+00	4.83E-05	1.92E-06	1.79E-05	7.13E-07	3.04E-05	1.21E-06
360.18	4250.032	1.90E-02	1.80E+00	4.83E-05	1.65E-06	1.79E-05	6.12E-07	3.04E-05	1.04E-06
360.091	4250.02	1.68E-02	1.80E+00	4.83E-05	1.46E-06	1.79E-05	5.40E-07	3.04E-05	9.17E-07
360.003	4250.007	1.51E-02	1.80E+00	4.83E-05	1.32E-06	1.79E-05	4.87E-07	3.04E-05	8.28E-07
359.914	4249.995	1.39E-02	1.80E+00	4.83E-05	1.21E-06	1.79E-05	4.49E-07	3.04E-05	7.62E-07
360.269	4249.127	9.97E-02	1.80E+00	4.83E-05	8.67E-06	1.79E-05	3.21E-06	3.04E-05	5.46E-06
360.334	4249.128	1.07E-01	1.80E+00	4.83E-05	9.34E-06	1.79E-05	3.46E-06	3.04E-05	5.88E-06
360.403	4249.137	1.21E-01	1.80E+00	4.83E-05	1.05E-05	1.79E-05	3.91E-06	3.04E-05	6.64E-06
360.498	4249.157	1.60E-01	1.80E+00	4.83E-05	1.39E-05	1.79E-05	5.16E-06	3.04E-05	8.77E-06
360.592	4249.185	1.54E-01	1.80E+00	4.83E-05	1.33E-05	1.79E-05	4.95E-06	3.04E-05	8.40E-06
360.678	4249.21	1.06E-01	1.80E+00	4.83E-05	9.19E-06	1.79E-05	3.40E-06	3.04E-05	5.78E-06
360.632	4249.294	8.24E-02	1.80E+00	4.83E-05	7.16E-06	1.79E-05	2.65E-06	3.04E-05	4.51E-06
360.585	4249.378	6.63E-02	1.80E+00	4.83E-05	5.76E-06	1.79E-05	2.14E-06	3.04E-05	3.63E-06
360.538	4249.462	5.19E-02	1.80E+00	4.83E-05	4.51E-06	1.79E-05	1.67E-06	3.04E-05	2.84E-06
360.491	4249.545	4.38E-02	1.80E+00	4.83E-05	3.81E-06	1.79E-05	1.41E-06	3.04E-05	2.40E-06
360.444	4249.629	3.54E-02	1.80E+00	4.83E-05	3.08E-06	1.79E-05	1.14E-06	3.04E-05	1.94E-06
360.397	4249.713	3.12E-02	1.80E+00	4.83E-05	2.71E-06	1.79E-05	1.01E-06	3.04E-05	1.71E-06
360.35	4249.797	2.67E-02	1.80E+00	4.83E-05	2.32E-06	1.79E-05	8.59E-07	3.04E-05	1.46E-06
360.277	4249.8	2.89E-02	1.80E+00	4.83E-05	2.51E-06	1.79E-05	9.32E-07	3.04E-05	1.58E-06
360.233	4249.168	9.19E-02	1.80E+00	4.83E-05	7.99E-06	1.79E-05	2.96E-06	3.04E-05	5.03E-06
360.049	4248.941	8.69E-02	1.80E+00	4.83E-05	7.56E-06	1.79E-05	2.80E-06	3.04E-05	4.76E-06
359.958	4248.92	6.53E-02	1.80E+00	4.83E-05	5.68E-06	1.79E-05	2.10E-06	3.04E-05	3.57E-06
359.868	4248.894	5.42E-02	1.80E+00	4.83E-05	4.71E-06	1.79E-05	1.75E-06	3.04E-05	2.96E-06
359.743	4248.646	3.92E-02	1.80E+00	4.83E-05	3.41E-06	1.79E-05	1.26E-06	3.04E-05	2.14E-06
359.749	4248.592	3.91E-02	1.80E+00	4.83E-05	3.40E-06	1.79E-05	1.26E-06	3.04E-05	2.14E-06
359.754	4248.513	3.83E-02	1.80E+00	4.83E-05	3.33E-06	1.79E-05	1.23E-06	3.04E-05	2.09E-06
359.751	4248.443	3.67E-02	1.80E+00	4.83E-05	3.19E-06	1.79E-05	1.18E-06	3.04E-05	2.01E-06
359.839	4248.354	4.24E-02	1.80E+00	4.83E-05	3.69E-06	1.79E-05	1.37E-06	3.04E-05	2.32E-06
359.934	4248.308	5.08E-02	1.80E+00	4.83E-05	4.42E-06	1.79E-05	1.64E-06	3.04E-05	2.78E-06
360.03	4248.262	5.71E-02	1.80E+00	4.83E-05	4.97E-06	1.79E-05	1.84E-06	3.04E-05	3.13E-06
360.23	4248.121	6.37E-02	1.80E+00	4.83E-05	5.54E-06	1.79E-05	2.05E-06	3.04E-05	3.49E-06
360.196	4248.694	1.68E-01	1.80E+00	4.83E-05	1.46E-05	1.79E-05	5.40E-06	3.04E-05	9.17E-06
360.188	4248.787	1.58E-01	1.80E+00	4.83E-05	1.37E-05	1.79E-05	5.09E-06	3.04E-05	8.65E-06
360.186	4248.85	1.50E-01	1.80E+00	4.83E-05	1.30E-05	1.79E-05	4.83E-06	3.04E-05	8.20E-06
360.187	4248.927	1.36E-01	1.80E+00	4.83E-05	1.19E-05	1.79E-05	4.39E-06	3.04E-05	7.46E-06
360.728	4248.992	2.31E-01	1.80E+00	4.83E-05	2.01E-05	1.79E-05	7.45E-06	3.04E-05	1.26E-05
360.4	4248.912	3.41E-01	1.80E+00	4.83E-05	2.96E-05	1.79E-05	1.10E-05	3.04E-05	1.86E-05
360.341	4248.904	2.67E-01	1.80E+00	4.83E-05	2.33E-05	1.79E-05	8.62E-06	3.04E-05	1.46E-05
360.253	4248.902	1.82E-01	1.80E+00	4.83E-05	1.59E-05	1.79E-05	5.88E-06	3.04E-05	9.98E-06
360.239	4248.398	1.40E-01	1.80E+00	4.83E-05	1.21E-05	1.79E-05	4.50E-06	3.04E-05	7.64E-06
360.289	4248.002	5.07E-02	1.80E+00	4.83E-05	4.41E-06	1.79E-05	1.63E-06	3.04E-05	2.77E-06
360.302	4247.704	2.88E-02	1.80E+00	4.83E-05	2.50E-06	1.79E-05	9.27E-07	3.04E-05	1.57E-06
360.305	4247.6	2.27E-02	1.80E+00	4.83E-05	1.98E-06	1.79E-05	7.33E-07	3.04E-05	1.24E-06
360.302	4247.5	1.76E-02	1.80E+00	4.83E-05	1.53E-06	1.79E-05	5.65E-07	3.04E-05	9.60E-07
360.301	4247.402	1.53E-02	1.80E+00	4.83E-05	1.33E-06	1.79E-05	4.94E-07	3.04E-05	8.39E-07
360.293	4247.104	1.29E-02	1.80E+00	4.83E-05	1.12E-06	1.79E-05	4.14E-07	3.04E-05	7.04E-07
360.296	4246.694	5.27E-03	1.80E+00	4.83E-05	4.58E-07	1.79E-05	1.70E-07	3.04E-05	2.88E-07
360.295	4246.592	4.51E-03	1.80E+00	4.83E-05	3.92E-07	1.79E-05	1.45E-07	3.04E-05	2.47E-07
360.298	4246.497	3.76E-03	1.80E+00	4.83E-05	3.27E-07	1.79E-05	1.21E-07	3.04E-05	2.06E-07
360.3	4246.446	3.51E-03	1.80E+00	4.83E-05	3.05E-07	1.79E-05	1.13E-07	3.04E-05	1.92E-07
360.299	4246.33	3.14E-03	1.80E+00	4.83E-05	2.73E-07	1.79E-05	1.01E-07	3.04E-05	1.72E-07
360.328	4246.639	4.59E-03	1.80E+00	4.83E-05	3.99E-07	1.79E-05	1.48E-07	3.04E-05	2.51E-07
360.337	4246.747	4.97E-03	1.80E+00	4.83E-05	4.32E-07	1.79E-05	1.60E-07	3.04E-05	2.72E-07
360.383	4246.773	4.78E-03	1.80E+00	4.83E-05	4.16E-07	1.79E-05	1.54E-07	3.04E-05	2.62E-07

CANCER RISKS BASED ON 8760-H AVERAGE CONCENTRATION VALUES AT EACH RECEPTOR
CARBON TETRACHLORIDE - TASK 3 - CENTRAL TENDENCY

RECEPTOR (x,y) km		CONCENTRATION (ug/m^3)	CSF	EXP # (LC)	LIFETIME CANCER RISK	EXP # (AC)	ADULT CANCER RISK	EXP # (CC)	CHILD CANCER RISK
359.832	4249.938	3.55E-02	5.30E-02	4.83E-05	9.10E-08	1.79E-05	3.37E-08	3.04E-05	5.73E-08
359.84	4249.884	3.89E-02	5.30E-02	4.83E-05	9.97E-08	1.79E-05	3.69E-08	3.04E-05	6.27E-08
359.86	4249.794	4.58E-02	5.30E-02	4.83E-05	1.17E-07	1.79E-05	4.35E-08	3.04E-05	7.38E-08
359.875	4249.736	5.11E-02	5.30E-02	4.83E-05	1.31E-07	1.79E-05	4.85E-08	3.04E-05	8.24E-08
359.806	4249.729	4.63E-02	5.30E-02	4.83E-05	1.19E-07	1.79E-05	4.39E-08	3.04E-05	7.46E-08
359.818	4249.667	5.16E-02	5.30E-02	4.83E-05	1.32E-07	1.79E-05	4.90E-08	3.04E-05	8.32E-08
359.827	4249.617	5.65E-02	5.30E-02	4.83E-05	1.45E-07	1.79E-05	5.36E-08	3.04E-05	9.10E-08
359.836	4249.56	6.25E-02	5.30E-02	4.83E-05	1.60E-07	1.79E-05	5.93E-08	3.04E-05	1.01E-07
359.849	4249.506	6.93E-02	5.30E-02	4.83E-05	1.77E-07	1.79E-05	6.58E-08	3.04E-05	1.12E-07
359.888	4249.439	8.23E-02	5.30E-02	4.83E-05	2.11E-07	1.79E-05	7.81E-08	3.04E-05	1.33E-07
359.939	4249.397	9.73E-02	5.30E-02	4.83E-05	2.49E-07	1.79E-05	9.23E-08	3.04E-05	1.57E-07
359.984	4249.373	1.11E-01	5.30E-02	4.83E-05	2.84E-07	1.79E-05	1.05E-07	3.04E-05	1.79E-07
360.032	4249.325	1.33E-01	5.30E-02	4.83E-05	3.41E-07	1.79E-05	1.27E-07	3.04E-05	2.15E-07
360.068	4249.275	1.57E-01	5.30E-02	4.83E-05	4.02E-07	1.79E-05	1.49E-07	3.04E-05	2.53E-07
360.088	4249.225	1.80E-01	5.30E-02	4.83E-05	4.60E-07	1.79E-05	1.70E-07	3.04E-05	2.90E-07
360.06	4249.18	1.78E-01	5.30E-02	4.83E-05	4.55E-07	1.79E-05	1.69E-07	3.04E-05	2.86E-07
360.115	4249.143	2.22E-01	5.30E-02	4.83E-05	5.69E-07	1.79E-05	2.11E-07	3.04E-05	3.58E-07
360.171	4249.034	3.29E-01	5.30E-02	4.83E-05	8.41E-07	1.79E-05	3.12E-07	3.04E-05	5.29E-07
360.171	4249.149	2.68E-01	5.30E-02	4.83E-05	6.86E-07	1.79E-05	2.54E-07	3.04E-05	4.31E-07
360.198	4249.204	2.59E-01	5.30E-02	4.83E-05	6.62E-07	1.79E-05	2.45E-07	3.04E-05	4.17E-07
360.2	4249.26	2.29E-01	5.30E-02	4.83E-05	5.86E-07	1.79E-05	2.17E-07	3.04E-05	3.69E-07
360.199	4249.312	2.04E-01	5.30E-02	4.83E-05	5.21E-07	1.79E-05	1.93E-07	3.04E-05	3.28E-07
360.195	4249.375	1.78E-01	5.30E-02	4.83E-05	4.55E-07	1.79E-05	1.69E-07	3.04E-05	2.86E-07
360.191	4249.427	1.59E-01	5.30E-02	4.83E-05	4.08E-07	1.79E-05	1.51E-07	3.04E-05	2.57E-07
360.189	4249.503	1.36E-01	5.30E-02	4.83E-05	3.49E-07	1.79E-05	1.29E-07	3.04E-05	2.20E-07
360.186	4249.569	1.19E-01	5.30E-02	4.83E-05	3.04E-07	1.79E-05	1.13E-07	3.04E-05	1.91E-07
360.178	4249.644	1.01E-01	5.30E-02	4.83E-05	2.58E-07	1.79E-05	9.57E-08	3.04E-05	1.63E-07
360.178	4249.719	8.72E-02	5.30E-02	4.83E-05	2.23E-07	1.79E-05	8.27E-08	3.04E-05	1.40E-07
360.186	4249.823	7.20E-02	5.30E-02	4.83E-05	1.84E-07	1.79E-05	6.83E-08	3.04E-05	1.16E-07
360.188	4249.929	5.88E-02	5.30E-02	4.83E-05	1.50E-07	1.79E-05	5.58E-08	3.04E-05	9.47E-08
360.18	4250.032	4.84E-02	5.30E-02	4.83E-05	1.24E-07	1.79E-05	4.59E-08	3.04E-05	7.80E-08
360.091	4250.02	4.38E-02	5.30E-02	4.83E-05	1.12E-07	1.79E-05	4.16E-08	3.04E-05	7.06E-08
360.003	4250.007	4.03E-02	5.30E-02	4.83E-05	1.03E-07	1.79E-05	3.82E-08	3.04E-05	6.49E-08
359.914	4249.995	3.66E-02	5.30E-02	4.83E-05	9.37E-08	1.79E-05	3.47E-08	3.04E-05	5.90E-08
360.269	4249.127	4.17E-01	5.30E-02	4.83E-05	1.07E-06	1.79E-05	3.95E-07	3.04E-05	6.71E-07
360.334	4249.128	5.54E-01	5.30E-02	4.83E-05	1.42E-06	1.79E-05	5.26E-07	3.04E-05	8.93E-07
360.403	4249.137	7.23E-01	5.30E-02	4.83E-05	1.85E-06	1.79E-05	6.86E-07	3.04E-05	1.17E-06
360.498	4249.157	9.06E-01	5.30E-02	4.83E-05	2.32E-06	1.79E-05	8.60E-07	3.04E-05	1.46E-06
360.592	4249.185	7.85E-01	5.30E-02	4.83E-05	2.01E-06	1.79E-05	7.44E-07	3.04E-05	1.26E-06
360.678	4249.21	5.53E-01	5.30E-02	4.83E-05	1.41E-06	1.79E-05	5.24E-07	3.04E-05	8.90E-07
360.632	4249.294	4.16E-01	5.30E-02	4.83E-05	1.07E-06	1.79E-05	3.95E-07	3.04E-05	6.71E-07
360.585	4249.378	3.02E-01	5.30E-02	4.83E-05	7.74E-07	1.79E-05	2.87E-07	3.04E-05	4.87E-07
360.538	4249.462	2.12E-01	5.30E-02	4.83E-05	5.43E-07	1.79E-05	2.01E-07	3.04E-05	3.42E-07
360.491	4249.545	1.72E-01	5.30E-02	4.83E-05	4.40E-07	1.79E-05	1.63E-07	3.04E-05	2.77E-07
360.444	4249.629	1.20E-01	5.30E-02	4.83E-05	3.07E-07	1.79E-05	1.14E-07	3.04E-05	1.93E-07
360.397	4249.713	1.07E-01	5.30E-02	4.83E-05	2.75E-07	1.79E-05	1.02E-07	3.04E-05	1.73E-07
360.35	4249.797	8.78E-02	5.30E-02	4.83E-05	2.25E-07	1.79E-05	8.33E-08	3.04E-05	1.41E-07
360.277	4249.8	8.64E-02	5.30E-02	4.83E-05	2.21E-07	1.79E-05	8.19E-08	3.04E-05	1.39E-07
360.233	4249.168	3.20E-01	5.30E-02	4.83E-05	8.18E-07	1.79E-05	3.03E-07	3.04E-05	5.15E-07
360.049	4248.941	1.98E-01	5.30E-02	4.83E-05	5.07E-07	1.79E-05	1.88E-07	3.04E-05	3.19E-07
359.958	4248.92	1.42E-01	5.30E-02	4.83E-05	3.64E-07	1.79E-05	1.35E-07	3.04E-05	2.29E-07
359.868	4248.894	1.07E-01	5.30E-02	4.83E-05	2.73E-07	1.79E-05	1.01E-07	3.04E-05	1.72E-07
359.743	4248.646	6.48E-02	5.30E-02	4.83E-05	1.66E-07	1.79E-05	6.15E-08	3.04E-05	1.04E-07
359.749	4248.592	6.24E-02	5.30E-02	4.83E-05	1.60E-07	1.79E-05	5.92E-08	3.04E-05	1.01E-07
359.754	4248.513	5.77E-02	5.30E-02	4.83E-05	1.48E-07	1.79E-05	5.47E-08	3.04E-05	9.29E-08
359.751	4248.443	5.19E-02	5.30E-02	4.83E-05	1.33E-07	1.79E-05	4.93E-08	3.04E-05	8.36E-08
359.839	4248.354	5.39E-02	5.30E-02	4.83E-05	1.38E-07	1.79E-05	5.11E-08	3.04E-05	8.68E-08
359.934	4248.308	5.99E-02	5.30E-02	4.83E-05	1.53E-07	1.79E-05	5.69E-08	3.04E-05	9.66E-08
360.03	4248.262	6.48E-02	5.30E-02	4.83E-05	1.66E-07	1.79E-05	6.15E-08	3.04E-05	1.04E-07
360.23	4248.121	5.60E-02	5.30E-02	4.83E-05	1.43E-07	1.79E-05	5.31E-08	3.04E-05	9.02E-08
360.196	4248.694	3.32E-01	5.30E-02	4.83E-05	8.49E-07	1.79E-05	3.15E-07	3.04E-05	5.34E-07
360.188	4248.787	3.70E-01	5.30E-02	4.83E-05	9.46E-07	1.79E-05	3.51E-07	3.04E-05	5.95E-07
360.186	4248.85	3.84E-01	5.30E-02	4.83E-05	9.82E-07	1.79E-05	3.64E-07	3.04E-05	6.18E-07
360.187	4248.927	3.86E-01	5.30E-02	4.83E-05	9.89E-07	1.79E-05	3.66E-07	3.04E-05	6.22E-07
360.728	4248.992	1.18E+00	5.30E-02	4.83E-05	3.02E-06	1.79E-05	1.12E-06	3.04E-05	1.90E-06
360.4	4248.912	1.49E+00	5.30E-02	4.83E-05	3.82E-06	1.79E-05	1.42E-06	3.04E-05	2.40E-06
360.341	4248.904	1.04E+00	5.30E-02	4.83E-05	2.67E-06	1.79E-05	9.89E-07	3.04E-05	1.68E-06
360.253	4248.902	5.84E-01	5.30E-02	4.83E-05	1.49E-06	1.79E-05	5.54E-07	3.04E-05	9.41E-07
360.239	4248.398	1.47E-01	5.30E-02	4.83E-05	3.76E-07	1.79E-05	1.39E-07	3.04E-05	2.37E-07
360.289	4248.002	4.18E-02	5.30E-02	4.83E-05	1.07E-07	1.79E-05	3.97E-08	3.04E-05	6.74E-08
360.302	4247.704	2.03E-02	5.30E-02	4.83E-05	5.19E-08	1.79E-05	1.92E-08	3.04E-05	3.26E-08
360.305	4247.6	1.64E-02	5.30E-02	4.83E-05	4.19E-08	1.79E-05	1.55E-08	3.04E-05	2.64E-08
360.302	4247.5	1.35E-02	5.30E-02	4.83E-05	3.46E-08	1.79E-05	1.28E-08	3.04E-05	2.18E-08
360.301	4247.402	1.14E-02	5.30E-02	4.83E-05	2.93E-08	1.79E-05	1.09E-08	3.04E-05	1.84E-08
360.293	4247.104	7.47E-03	5.30E-02	4.83E-05	1.91E-08	1.79E-05	7.09E-09	3.04E-05	1.20E-08
360.296	4246.694	4.87E-03	5.30E-02	4.83E-05	1.25E-08	1.79E-05	4.62E-09	3.04E-05	7.85E-09
360.295	4246.592	4.47E-03	5.30E-02	4.83E-05	1.15E-08	1.79E-05	4.24E-09	3.04E-05	7.21E-09
360.298	4246.497	4.13E-03	5.30E-02	4.83E-05	1.06E-08	1.79E-05	3.92E-09	3.04E-05	6.65E-09
360.3	4246.446	3.97E-03	5.30E-02	4.83E-05	1.02E-08	1.79E-05	3.77E-09	3.04E-05	6.40E-09
360.299	4246.33	3.63E-03	5.30E-02	4.83E-05	9.30E-09	1.79E-05	3.45E-09	3.04E-05	5.85E-09
360.328	4246.639	4.69E-03	5.30E-02	4.83E-05	1.20E-08	1.79E-05	4.45E-09	3.04E-05	7.56E-09
360.337	4246.747	5.10E-03	5.30E-02	4.83E-05	1.31E-08	1.79E-05	4.84E-09	3.04E-05	8.22E-09
360.383	4246.773	4.52E-03	5.30E-02	4.83E-05	1.16E-08	1.79E-05	4.28E-09	3.04E-05	7.28E-09

Appendix C

CALCULATION OF NON-CANCER HAZARDS
AND CANCER RISKS
REASONABLE MAXIMUM EXPOSURE

These files are included electronically. The first page of each file has been included in this Appendix.

C-1
NON-CANCER HAZARDS: TASK 1 DATA

TASK 1
CHILD NON-CANCER HAZARD QUOTIENTS AND HAZARD INDEX PER LOCATION

RECEPTOR		CHILD HQ												CHILD NON-CANCER HI
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE	
359.832	4249.938	5.42E-03	3.62E-02	2.58E-03	3.29E-01	4.94E-02	2.18E+00	4.72E-03	3.70E-05	4.69E-02	1.07E-03	6.77E-02	5.88E-03	2.73E+00
359.84	4249.884	5.57E-03	3.84E-02	2.69E-03	3.49E-01	5.40E-02	2.35E+00	4.98E-03	3.84E-05	4.98E-02	1.12E-03	7.32E-02	6.32E-03	2.93E+00
359.86	4249.794	5.94E-03	4.33E-02	2.96E-03	3.89E-01	6.34E-02	2.69E+00	5.48E-03	4.17E-05	5.54E-02	1.24E-03	8.44E-02	7.21E-03	3.35E+00
359.875	4249.736	6.20E-03	4.69E-02	3.14E-03	4.20E-01	7.06E-02	2.93E+00	5.86E-03	4.39E-05	5.96E-02	1.33E-03	9.30E-02	7.89E-03	3.64E+00
359.806	4249.729	6.01E-03	4.36E-02	2.95E-03	3.99E-01	6.40E-02	2.77E+00	5.62E-03	4.16E-05	5.66E-02	1.24E-03	8.66E-02	7.39E-03	3.44E+00
359.818	4249.667	6.31E-03	4.72E-02	3.14E-03	4.31E-01	7.13E-02	3.02E+00	6.03E-03	4.39E-05	6.10E-02	1.33E-03	9.59E-02	8.13E-03	3.75E+00
359.827	4249.617	6.56E-03	4.98E-02	3.28E-03	4.59E-01	7.80E-02	3.19E+00	6.39E-03	4.56E-05	6.49E-02	1.39E-03	1.03E-01	8.75E-03	3.97E+00
359.836	4249.56	6.85E-03	5.27E-02	3.42E-03	4.93E-01	8.62E-02	3.20E+00	6.84E-03	4.75E-05	6.95E-02	1.46E-03	1.13E-01	9.53E-03	4.04E+00
359.849	4249.506	7.18E-03	5.57E-02	3.59E-03	5.30E-01	9.56E-02	3.20E+00	7.33E-03	4.96E-05	7.44E-02	1.53E-03	1.24E-01	1.04E-02	4.11E+00
359.888	4249.439	7.79E-03	6.32E-02	3.98E-03	5.95E-01	1.13E-01	3.54E+00	8.12E-03	5.43E-05	8.31E-02	1.71E-03	1.45E-01	1.21E-02	4.58E+00
359.939	4249.397	8.38E-03	7.24E-02	4.47E-03	6.60E-01	1.34E-01	4.17E+00	8.87E-03	6.00E-05	9.21E-02	1.93E-03	1.69E-01	1.38E-02	5.33E+00
359.984	4249.373	8.76E-03	7.94E-02	4.85E-03	7.13E-01	1.53E-01	4.64E+00	9.49E-03	6.45E-05	9.95E-02	2.11E-03	1.89E-01	1.53E-02	5.92E+00
360.032	4249.325	9.38E-03	9.12E-02	5.48E-03	8.05E-01	1.84E-01	5.56E+00	1.06E-02	7.20E-05	1.12E-01	2.39E-03	2.24E-01	1.79E-02	7.02E+00
360.068	4249.275	9.89E-03	1.00E-01	5.93E-03	8.97E-01	2.16E-01	5.83E+00	1.17E-02	7.75E-05	1.24E-01	2.60E-03	2.58E-01	2.04E-02	7.47E+00
360.088	4249.225	1.04E-02	1.10E-01	6.34E-03	9.86E-01	2.47E-01	6.30E+00	1.28E-02	8.25E-05	1.36E-01	2.81E-03	2.92E-01	2.29E-02	8.13E+00
360.06	4249.18	1.07E-02	1.14E-01	6.37E-03	1.00E+00	2.45E-01	6.36E+00	1.31E-02	8.34E-05	1.38E-01	2.86E-03	2.98E-01	2.34E-02	8.21E+00
360.115	4249.143	1.12E-02	1.28E-01	7.00E-03	1.09E+00	3.06E-01	7.21E+00	1.46E-02	9.39E-05	1.57E-01	3.18E-03	3.26E-01	2.48E-02	9.28E+00
360.171	4249.034	1.28E-02	1.72E-01	8.87E-03	1.49E+00	4.52E-01	1.17E+01	1.81E-02	1.07E-04	2.15E-01	4.16E-03	5.10E-01	3.74E-02	1.46E+01
360.171	4249.149	1.14E-02	1.30E-01	7.37E-03	1.23E+00	3.69E-01	8.27E+00	1.57E-02	9.38E-05	1.75E-01	3.31E-03	3.99E-01	3.01E-02	1.06E+01
360.198	4249.204	1.10E-02	1.17E-01	7.06E-03	1.18E+00	3.56E-01	7.92E+00	1.52E-02	9.06E-05	1.66E-01	3.09E-03	3.79E-01	2.87E-02	1.02E+01
360.2	4249.26	1.05E-02	1.07E-01	6.66E-03	1.09E+00	3.15E-01	7.16E+00	1.41E-02	8.65E-05	1.51E-01	2.88E-03	3.39E-01	2.60E-02	9.22E+00
360.199	4249.312	1.01E-02	9.81E-02	6.30E-03	1.00E+00	2.80E-01	6.55E+00	1.32E-02	8.25E-05	1.38E-01	2.69E-03	3.04E-01	2.35E-02	8.43E+00
360.195	4249.375	9.53E-03	8.81E-02	5.82E-03	9.06E-01	2.45E-01	5.82E+00	1.20E-02	7.73E-05	1.24E-01	2.46E-03	2.64E-01	2.07E-02	7.50E+00
360.191	4249.427	9.09E-03	8.04E-02	5.42E-03	8.33E-01	2.19E-01	5.29E+00	1.12E-02	7.32E-05	1.15E-01	2.27E-03	2.37E-01	1.86E-02	6.82E+00
360.189	4249.503	8.57E-03	7.19E-02	5.00E-03	7.53E-01	1.88E-01	4.82E+00	1.03E-02	6.81E-05	1.03E-01	2.07E-03	2.03E-01	1.62E-02	6.18E+00
360.186	4249.569	8.16E-03	6.64E-02	4.70E-03	6.90E-01	1.64E-01	4.53E+00	9.57E-03	6.51E-05	9.42E-02	1.93E-03	1.78E-01	1.44E-02	5.76E+00
360.178	4249.644	7.74E-03	6.19E-02	4.43E-03	6.30E-01	1.40E-01	4.44E+00	8.82E-03	6.20E-05	8.53E-02	1.82E-03	1.59E-01	1.29E-02	5.55E+00
360.178	4249.719	7.38E-03	5.67E-02	4.15E-03	5.81E-01	1.21E-01	4.12E+00	8.20E-03	5.86E-05	7.79E-02	1.69E-03	1.43E-01	1.16E-02	5.13E+00
360.186	4249.823	6.99E-03	4.98E-02	3.78E-03	5.23E-01	1.00E-01	3.58E+00	7.48E-03	5.41E-05	6.92E-02	1.53E-03	1.23E-01	1.02E-02	4.47E+00
360.188	4249.929	6.61E-03	4.34E-02	3.40E-03	4.65E-01	8.20E-02	3.02E+00	6.81E-03	4.98E-05	6.12E-02	1.36E-03	1.04E-01	8.79E-03	3.81E+00
360.18	4250.032	6.36E-03	3.97E-02	3.19E-03	4.16E-01	6.78E-02	2.85E+00	6.20E-03	4.76E-05	5.45E-02	1.27E-03	8.98E-02	7.65E-03	3.55E+00
360.091	4250.02	6.03E-03	3.89E-02	3.07E-03	3.83E-01	6.14E-02	2.56E+00	5.63E-03	4.51E-05	5.17E-02	1.22E-03	8.09E-02	6.95E-03	3.19E+00
360.003	4250.007	5.75E-03	3.81E-02	2.87E-03	3.56E-01	5.63E-02	2.35E+00	5.17E-03	4.18E-05	4.93E-02	1.16E-03	7.39E-02	6.40E-03	2.94E+00
359.914	4249.995	5.55E-03	3.69E-02	2.69E-03	3.34E-01	5.10E-02	2.19E+00	4.82E-03	3.89E-05	4.71E-02	1.10E-03	6.85E-02	5.96E-03	2.74E+00
360.269	4249.127	1.22E-02	1.30E-01	7.78E-03	1.45E+00	5.74E-01	1.07E+01	1.85E-02	9.96E-05	2.27E-01	3.44E-03	5.02E-01	3.57E-02	1.36E+01
360.334	4249.128	1.31E-02	1.22E-01	7.80E-03	1.55E+00	7.64E-01	1.22E+01	2.00E-02	1.01E-04	2.66E-01	3.39E-03	5.62E-01	3.83E-02	1.55E+01
360.403	4249.137	1.46E-02	1.11E-01	7.63E-03	1.66E+00	9.98E-01	1.28E+01	2.12E-02	9.74E-05	3.03E-01	3.25E-03	6.36E-01	4.25E-02	1.66E+01
360.498	4249.157	1.73E-02	9.51E-02	7.21E-03	1.85E+00	1.25E+00	1.19E+01	2.20E-02	8.55E-05	3.11E-01	3.01E-03	7.62E-01	5.36E-02	1.63E+01
360.592	4249.185	2.02E-02	8.13E-02	6.72E-03	1.77E+00	1.08E+00	9.38E+00	2.09E-02	7.93E-05	2.77E-01	2.78E-03	7.04E-01	5.14E-02	1.34E+01
360.678	4249.21	2.22E-02	6.79E-02	6.01E-03	1.45E+00	7.66E-01	6.93E+00	1.93E-02	7.99E-05	2.29E-01	2.46E-03	5.07E-01	3.71E-02	1.00E+01
360.632	4249.294	1.93E-02	6.94E-02	5.95E-03	1.22E+00	5.75E-01	6.45E+00	1.70E-02	8.27E-05	1.81E-01	2.44E-03	3.95E-01	2.94E-02	8.97E+00
360.585	4249.378	1.65E-02	6.91E-02	5.80E-03	1.05E+00	4.18E-01	6.08E+00	1.52E-02	8.35E-05	1.47E-01	2.37E-03	3.15E-01	2.41E-02	8.15E+00
360.538	4249.462	1.40E-02	6.73E-02	5.54E-03	9.06E-01	2.94E-01	5.65E+00	1.34E-02	8.22E-05	1.21E-01	2.27E-03	2.46E-01	1.93E-02	7.34E+00
360.491	4249.545	1.21E-02	6.51E-02	5.27E-03	8.13E-01	2.38E-01	5.20E+00	1.21E-02	7.83E-05	1.08E-01	2.16E-03	2.09E-01	1.66E-02	6.68E+00
360.444	4249.629	1.06E-02	6.17E-02	4.91E-03	7.07E-01	1.67E-01	4.63E+00	1.07E-02	7.41E-05	9.13E-02	2.01E-03	1.67E-01	1.37E-02	5.86E+00
360.397	4249.713	9.43E-03	5.81E-02	4.56E-03	6.42E-01	1.49E-01	4.21E+00	9.72E-03	6.89E-05	8.36E-02	1.86E-03	1.48E-01	1.22E-02	5.33E+00
360.35	4249.797	8.40E-03	5.34E-02	4.14E-03	5.73E-01	1.22E-01	3.73E+00	8.71E-03	6.30E-05	7.42E-02	1.69E-03	1.26E-01	1.05E-02	4.71E+00
360.277	4249.8	7.70E-03	5.20E-02	3.99E-03	5.72E-01	1.20E-01	3.67E+00	8.47E-03	5.90E-05	7.51E-02	1.62E-03	1.36E-01	1.12E-02	4.65E+00
360.233	4249.168	1.16E-02	1.24E-01	7.45E-03	1.32E+00	4.40E-01	9.22E+00	1.67E-02	9.42E-05	1.91E-01	3.27E-03	4.42E-01	3.28E-02	1.18E+01
360.049	4248.941	1.27E-02	1.83E-01	8.75E-03	1.34E+00	2.70E-01	1.13E+01	1.70E-02	1.11E-04	1.71E-01	4.29E-03	4.01E-01	3.12E-02	1.37E+01
359.958	4248.92	1.14E-02	1.30E-01	6.56E-03	1.14E+00	1.93E-01	7.33E+00	1.57E-02	9.03E-05	1.43E-01	3.13E-03	3.05E-01	2.48E-02	9.30E+00
359.868	4248.894	1.06E-02	1.16E-01	5.95E-03	1.03E+00	1.45E-01	7.70E+00	1.45E-02	8.34E-05	1.26E-01	2.82E-03	2.45E-01	2.07E-02	9.42E+00
359.743	4248.646	7.83E-03	1.28E-01	5.22E-03	9.41E-01	8.80E-02	7.62E+00	1.28E-02	7.11E-05	1.24E-01	2.95E-03	1.85E-01	1.65E-02	9.13E+00
359.749	4248.592	7.36E-03	1.26E-01	5.12E-03	9.55E-01	8.47E-02	7.73E+00	1.29E-02	6.91E-05	1.29E-01	2.90E-03	1.86E-01	1.66E-02	9.26E+00
359.754	4248.513	6.51E-03	1.07E-01	4.52E-03	9.72E-01	7.83E-02	7.73E+00	1.29E-02	5.97E-05	1.41E-01	2.48E-03	1.83E-01	1.67E-02	9.25E+00
359.751	4248.443	5.83E-03	1.03E-01	4.39E-03	9.91E-01	7.04E-02	7.52E+00	1.27E-02	5.64E-05	1.58E-01	2.40E-03	1.79E-01	1.68E-02	9.07E+00
359.839	4248.354	5.51E-03	1.51E-01	5.78E-03	1.24E+00	7.31E-02	1.07E+01	1.62E-02	7.53E-05	1.85E-01	3.36E-03	2.13E-01	2.01E-02	1.26E+01

TASK 1
ADULT NON-CANCER HAZARD QUOTIENTS AND HAZARD INDEX PER LOCATION

RECEPTOR		ADULT HQ												ADULT NON-CANCER HI
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE	
359.832	4249.938	1.94E-03	1.29E-02	9.21E-04	1.17E-01	1.76E-02	7.78E-01	1.69E-03	7.75E-03	1.68E-02	3.81E-04	2.42E-02	2.10E-03	9.81E-01
359.84	4249.884	1.99E-03	1.37E-02	9.62E-04	1.25E-01	1.93E-02	8.39E-01	1.78E-03	7.91E-03	1.78E-02	4.00E-04	2.61E-02	2.26E-03	1.06E+00
359.86	4249.794	2.12E-03	1.55E-02	1.06E-03	1.39E-01	2.26E-02	9.60E-01	1.96E-03	8.22E-03	1.98E-02	4.43E-04	3.01E-02	2.58E-03	1.20E+00
359.875	4249.736	2.22E-03	1.67E-02	1.12E-03	1.50E-01	2.52E-02	1.05E+00	2.09E-03	8.43E-03	2.13E-02	4.74E-04	3.32E-02	2.82E-03	1.31E+00
359.806	4249.729	2.15E-03	1.56E-02	1.06E-03	1.42E-01	2.29E-02	9.90E-01	2.01E-03	8.28E-03	2.02E-02	4.44E-04	3.09E-02	2.64E-03	1.24E+00
359.818	4249.667	2.25E-03	1.69E-02	1.12E-03	1.54E-01	2.55E-02	1.08E+00	2.15E-03	8.49E-03	2.18E-02	4.76E-04	3.42E-02	2.90E-03	1.35E+00
359.827	4249.617	2.34E-03	1.78E-02	1.17E-03	1.64E-01	2.79E-02	1.14E+00	2.28E-03	8.65E-03	2.32E-02	4.98E-04	3.69E-02	3.13E-03	1.43E+00
359.836	4249.56	2.45E-03	1.88E-02	1.22E-03	1.76E-01	3.08E-02	1.14E+00	2.44E-03	8.80E-03	2.48E-02	5.22E-04	4.03E-02	3.40E-03	1.45E+00
359.849	4249.506	2.57E-03	1.99E-02	1.28E-03	1.89E-01	3.41E-02	1.14E+00	2.62E-03	8.94E-03	2.66E-02	5.47E-04	4.42E-02	3.72E-03	1.48E+00
359.888	4249.439	2.78E-03	2.26E-02	1.42E-03	2.12E-01	4.05E-02	1.27E+00	2.90E-03	9.16E-03	2.97E-02	6.11E-04	5.18E-02	4.31E-03	1.64E+00
359.939	4249.397	2.99E-03	2.59E-02	1.60E-03	2.36E-01	4.78E-02	1.49E+00	3.17E-03	9.39E-03	3.29E-02	6.91E-04	6.03E-02	4.94E-03	1.91E+00
359.984	4249.373	3.13E-03	2.84E-02	1.73E-03	2.55E-01	5.45E-02	1.66E+00	3.39E-03	9.59E-03	3.55E-02	7.52E-04	6.76E-02	5.48E-03	2.12E+00
360.032	4249.325	3.35E-03	3.26E-02	1.96E-03	2.88E-01	6.56E-02	1.99E+00	3.77E-03	9.88E-03	3.98E-02	8.55E-04	8.00E-02	6.38E-03	2.52E+00
360.068	4249.275	3.53E-03	3.58E-02	2.12E-03	3.20E-01	7.72E-02	2.08E+00	4.19E-03	1.01E-02	4.42E-02	9.28E-04	9.20E-02	7.28E-03	2.68E+00
360.088	4249.225	3.72E-03	3.92E-02	2.27E-03	3.52E-01	8.84E-02	2.25E+00	4.58E-03	1.03E-02	4.86E-02	1.00E-03	1.04E-01	8.18E-03	2.91E+00
360.06	4249.18	3.83E-03	4.06E-02	2.27E-03	3.58E-01	8.74E-02	2.27E+00	4.69E-03	1.02E-02	4.94E-02	1.02E-03	1.06E-01	8.36E-03	2.94E+00
360.115	4249.143	4.01E-03	4.56E-02	2.50E-03	3.88E-01	1.09E-01	2.58E+00	5.21E-03	1.06E-02	5.60E-02	1.14E-03	1.17E-01	8.87E-03	3.32E+00
360.171	4249.034	4.57E-03	6.14E-02	3.17E-03	5.34E-01	1.61E-01	4.17E+00	6.47E-03	1.11E-02	7.70E-02	1.49E-03	1.82E-01	1.34E-02	5.22E+00
360.171	4249.149	4.08E-03	4.65E-02	2.63E-03	4.41E-01	1.32E-01	2.95E+00	5.61E-03	1.09E-02	6.26E-02	1.18E-03	1.43E-01	1.08E-02	3.81E+00
360.198	4249.204	3.94E-03	4.19E-02	2.52E-03	4.23E-01	1.27E-01	2.83E+00	5.42E-03	1.10E-02	5.95E-02	1.10E-03	1.35E-01	1.03E-02	3.65E+00
360.2	4249.26	3.76E-03	3.81E-02	2.38E-03	3.89E-01	1.12E-01	2.56E+00	5.05E-03	1.08E-02	5.40E-02	1.03E-03	1.21E-01	9.30E-03	3.31E+00
360.199	4249.312	3.60E-03	3.50E-02	2.25E-03	3.59E-01	1.00E-01	2.34E+00	4.70E-03	1.07E-02	4.94E-02	9.61E-04	1.08E-01	8.41E-03	3.02E+00
360.195	4249.375	3.40E-03	3.15E-02	2.08E-03	3.24E-01	8.74E-02	2.08E+00	4.30E-03	1.05E-02	4.44E-02	8.78E-04	9.45E-02	7.39E-03	2.69E+00
360.191	4249.427	3.25E-03	2.87E-02	1.94E-03	2.98E-01	7.84E-02	1.89E+00	4.02E-03	1.03E-02	4.09E-02	8.11E-04	8.45E-02	6.65E-03	2.45E+00
360.189	4249.503	3.06E-03	2.57E-02	1.79E-03	2.69E-01	6.72E-02	1.72E+00	3.67E-03	1.01E-02	3.68E-02	7.39E-04	7.25E-02	5.78E-03	2.22E+00
360.186	4249.569	2.92E-03	2.37E-02	1.68E-03	2.47E-01	5.87E-02	1.62E+00	3.42E-03	9.86E-03	3.36E-02	6.90E-04	6.38E-02	5.15E-03	2.07E+00
360.178	4249.644	2.77E-03	2.21E-02	1.58E-03	2.25E-01	4.99E-02	1.58E+00	3.15E-03	9.59E-03	3.05E-02	6.49E-04	5.68E-02	4.60E-03	1.99E+00
360.178	4249.719	2.64E-03	2.03E-02	1.48E-03	2.08E-01	4.33E-02	1.47E+00	2.93E-03	9.32E-03	2.78E-02	6.05E-04	5.09E-02	4.16E-03	1.84E+00
360.186	4249.823	2.50E-03	1.78E-02	1.35E-03	1.87E-01	3.58E-02	1.28E+00	2.67E-03	8.96E-03	2.47E-02	5.45E-04	4.41E-02	3.65E-03	1.61E+00
360.188	4249.929	2.36E-03	1.55E-02	1.22E-03	1.66E-01	2.93E-02	1.08E+00	2.43E-03	8.58E-03	2.19E-02	4.85E-04	3.72E-02	3.14E-03	1.37E+00
360.18	4250.032	2.27E-03	1.42E-02	1.14E-03	1.48E-01	2.42E-02	1.02E+00	2.21E-03	8.25E-03	1.95E-02	4.53E-04	3.21E-02	2.73E-03	1.27E+00
360.091	4250.02	2.16E-03	1.39E-02	1.10E-03	1.37E-01	2.19E-02	9.13E-01	2.01E-03	8.14E-03	1.85E-02	4.35E-04	2.89E-02	2.48E-03	1.15E+00
360.003	4250.007	2.05E-03	1.36E-02	1.03E-03	1.27E-01	2.01E-02	8.38E-01	1.85E-03	7.98E-03	1.76E-02	4.14E-04	2.64E-02	2.29E-03	1.06E+00
359.914	4249.995	1.98E-03	1.32E-02	9.61E-04	1.19E-01	1.82E-02	7.81E-01	1.72E-03	7.81E-03	1.68E-02	3.93E-04	2.45E-02	2.13E-03	9.88E-01
360.269	4249.127	4.38E-03	4.63E-02	2.78E-03	5.16E-01	2.05E-01	3.82E+00	6.61E-03	1.16E-02	8.11E-02	1.23E-03	1.79E-01	1.28E-02	4.89E+00
360.334	4249.128	4.69E-03	4.37E-02	2.78E-03	5.55E-01	2.73E-01	4.36E+00	7.16E-03	1.20E-02	9.49E-02	1.21E-03	2.01E-01	1.37E-02	5.57E+00
360.403	4249.137	5.20E-03	3.96E-02	2.73E-03	5.94E-01	3.56E-01	4.58E+00	7.59E-03	1.24E-02	1.08E-01	1.16E-03	2.27E-01	1.52E-02	5.96E+00
360.498	4249.157	6.17E-03	3.40E-02	2.58E-03	6.62E-01	4.47E-01	4.26E+00	7.84E-03	1.30E-02	1.11E-01	1.08E-03	2.72E-01	1.91E-02	5.84E+00
360.592	4249.185	7.23E-03	2.91E-02	2.40E-03	6.33E-01	3.86E-01	3.35E+00	7.46E-03	1.35E-02	9.90E-02	9.93E-04	2.51E-01	1.84E-02	4.80E+00
360.678	4249.21	7.93E-03	2.42E-02	2.15E-03	5.19E-01	2.74E-01	2.47E+00	6.91E-03	1.41E-02	8.19E-02	8.79E-04	1.81E-01	1.33E-02	3.60E+00
360.632	4249.294	6.89E-03	2.48E-02	2.12E-03	4.37E-01	2.05E-01	2.30E+00	6.09E-03	1.33E-02	6.48E-02	8.71E-04	1.41E-01	1.05E-02	3.22E+00
360.585	4249.378	5.88E-03	2.47E-02	2.07E-03	3.76E-01	1.49E-01	2.17E+00	5.42E-03	1.26E-02	5.24E-02	8.48E-04	1.12E-01	8.60E-03	2.92E+00
360.538	4249.462	5.01E-03	2.40E-02	1.98E-03	3.24E-01	1.05E-01	2.02E+00	4.80E-03	1.19E-02	4.32E-02	8.09E-04	8.77E-02	6.90E-03	2.63E+00
360.491	4249.545	4.34E-03	2.33E-02	1.88E-03	2.90E-01	8.51E-02	1.86E+00	4.31E-03	1.12E-02	3.86E-02	7.70E-04	7.47E-02	5.95E-03	2.40E+00
360.444	4249.629	3.79E-03	2.21E-02	1.75E-03	2.52E-01	5.96E-02	1.65E+00	3.81E-03	1.06E-02	3.26E-02	7.18E-04	5.96E-02	4.89E-03	2.10E+00
360.397	4249.713	3.37E-03	2.07E-02	1.63E-03	2.29E-01	5.32E-02	1.51E+00	3.47E-03	1.00E-02	2.98E-02	6.65E-04	5.28E-02	4.35E-03	1.91E+00
360.35	4249.797	3.00E-03	1.91E-02	1.48E-03	2.05E-01	4.35E-02	1.33E+00	3.11E-03	9.51E-03	2.65E-02	6.03E-04	4.50E-02	3.76E-03	1.69E+00
360.277	4249.8	2.75E-03	1.86E-02	1.42E-03	2.04E-01	4.29E-02	1.31E+00	3.02E-03	9.27E-03	2.68E-02	5.77E-04	4.86E-02	4.01E-03	1.67E+00
360.233	4249.168	4.14E-03	4.42E-02	2.66E-03	4.72E-01	1.57E-01	3.29E+00	5.97E-03	1.13E-02	6.84E-02	1.17E-03	1.58E-01	1.17E-02	4.23E+00
360.049	4248.941	4.54E-03	6.55E-02	3.13E-03	4.79E-01	9.65E-02	4.03E+00	6.06E-03	1.06E-02	6.12E-02	1.53E-03	1.43E-01	1.12E-02	4.91E+00
359.958	4248.92	4.06E-03	4.64E-02	2.34E-03	4.07E-01	6.90E-02	2.62E+00	5.59E-03	1.02E-02	5.10E-02	1.12E-03	1.09E-01	8.87E-03	3.33E+00
359.868	4248.894	3.79E-03	4.14E-02	2.13E-03	3.69E-01	5.17E-02	2.75E+00	5.17E-03	1.02E-02	4.50E-02	1.01E-03	8.75E-02	7.40E-03	3.37E+00
359.743	4248.646	2.80E-03	4.59E-02	1.86E-03	3.36E-01	3.14E-02	2.72E+00	4.58E-03	1.12E-02	4.41E-02	1.05E-03	6.61E-02	5.89E-03	3.27E+00
359.749	4248.592	2.63E-03	4.52E-02	1.83E-03	3.41E-01	3.03E-02	2.76E+00	4.61E-03	1.13E-02	4.62E-02	1.03E-03	6.63E-02	5.95E-03	3.32E+00
359.754	4248.513	2.33E-03	3.82E-02	1.61E-03	3.47E-01	2.80E-02	2.76E+00	4.59E-03	1.15E-02	5.05E-02	8.88E-04	6.55E-02	5.97E-03	3.32E+00
359.751	4248.443	2.08E-03	3.68E-02	1.57E-03	3.54E-01	2.52E-02	2.69E+00	4.55E-03	1.17E-02	5.64E-02	8.58E-04	6.40E-02	6.01E-03	3.25E+00

C-2
NON-CANCER HAZARDS: TASK 3 DATA

TASK 3
ADULT NON-CANCER HAZARD QUOTIENTS AND HAZARD INDEX PER LOCATION

RECEPTOR		ADULT HQ											ADULT NON-CANCER HI
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE	
359.832	4249.938	4.34E-04	1.23E-02	8.64E-04	9.20E-02	1.71E-02	6.99E-01	1.57E-03	1.51E-02	3.58E-04	2.31E-02	1.95E-03	8.64E-01
359.84	4249.884	4.47E-04	1.31E-02	9.04E-04	9.78E-02	1.87E-02	7.55E-01	1.65E-03	1.60E-02	3.77E-04	2.50E-02	2.10E-03	9.31E-01
359.86	4249.794	4.76E-04	1.49E-02	9.97E-04	1.10E-01	2.20E-02	8.67E-01	1.82E-03	1.78E-02	4.20E-04	2.90E-02	2.41E-03	1.07E+00
359.875	4249.736	4.95E-04	1.61E-02	1.06E-03	1.18E-01	2.45E-02	9.47E-01	1.95E-03	1.92E-02	4.50E-04	3.20E-02	2.64E-03	1.16E+00
359.806	4249.729	4.68E-04	1.51E-02	1.00E-03	1.11E-01	2.22E-02	8.93E-01	1.85E-03	1.82E-02	4.23E-04	2.98E-02	2.47E-03	1.10E+00
359.818	4249.667	4.89E-04	1.64E-02	1.07E-03	1.21E-01	2.48E-02	9.78E-01	1.99E-03	1.96E-02	4.54E-04	3.30E-02	2.72E-03	1.20E+00
359.827	4249.617	5.06E-04	1.73E-02	1.11E-03	1.29E-01	2.71E-02	1.04E+00	2.11E-03	2.09E-02	4.75E-04	3.56E-02	2.94E-03	1.28E+00
359.836	4249.56	5.25E-04	1.83E-02	1.16E-03	1.39E-01	3.00E-02	1.04E+00	2.27E-03	2.24E-02	4.98E-04	3.89E-02	3.20E-03	1.30E+00
359.849	4249.506	5.48E-04	1.94E-02	1.22E-03	1.50E-01	3.33E-02	1.04E+00	2.44E-03	2.40E-02	5.23E-04	4.28E-02	3.51E-03	1.32E+00
359.888	4249.439	5.95E-04	2.20E-02	1.35E-03	1.70E-01	3.95E-02	1.15E+00	2.73E-03	2.69E-02	5.84E-04	5.02E-02	4.08E-03	1.47E+00
359.939	4249.397	6.46E-04	2.52E-02	1.52E-03	1.90E-01	4.67E-02	1.37E+00	3.00E-03	3.00E-02	6.60E-04	5.85E-02	4.69E-03	1.73E+00
359.984	4249.373	6.80E-04	2.75E-02	1.65E-03	2.07E-01	5.32E-02	1.53E+00	3.23E-03	3.25E-02	7.17E-04	6.56E-02	5.21E-03	1.93E+00
360.032	4249.325	7.32E-04	3.16E-02	1.86E-03	2.36E-01	6.40E-02	1.85E+00	3.62E-03	3.66E-02	8.14E-04	7.78E-02	6.08E-03	2.30E+00
360.068	4249.275	7.70E-04	3.47E-02	2.01E-03	2.64E-01	7.53E-02	1.92E+00	4.04E-03	4.07E-02	8.84E-04	8.95E-02	6.96E-03	2.44E+00
360.088	4249.225	8.05E-04	3.81E-02	2.15E-03	2.91E-01	8.62E-02	2.08E+00	4.43E-03	4.47E-02	9.56E-04	1.02E-01	7.82E-03	2.66E+00
360.06	4249.18	8.28E-04	3.95E-02	2.16E-03	2.96E-01	8.52E-02	2.10E+00	4.54E-03	4.55E-02	9.78E-04	1.04E-01	7.99E-03	2.68E+00
360.115	4249.143	8.53E-04	4.43E-02	2.37E-03	3.23E-01	1.07E-01	2.38E+00	5.05E-03	5.16E-02	1.08E-03	1.13E-01	8.49E-03	3.03E+00
360.171	4249.034	9.41E-04	5.93E-02	3.00E-03	4.48E-01	1.58E-01	3.87E+00	6.30E-03	7.16E-02	1.41E-03	1.78E-01	1.28E-02	4.81E+00
360.171	4249.149	8.49E-04	4.49E-02	2.48E-03	3.68E-01	1.29E-01	2.73E+00	5.45E-03	5.80E-02	1.12E-03	1.39E-01	1.03E-02	3.49E+00
360.198	4249.204	8.10E-04	4.04E-02	2.37E-03	3.53E-01	1.24E-01	2.62E+00	5.28E-03	5.51E-02	1.04E-03	1.32E-01	9.84E-03	3.35E+00
360.2	4249.26	7.77E-04	3.68E-02	2.23E-03	3.25E-01	1.10E-01	2.37E+00	4.92E-03	5.00E-02	9.68E-04	1.18E-01	8.91E-03	3.03E+00
360.199	4249.312	7.49E-04	3.38E-02	2.11E-03	2.99E-01	9.77E-02	2.17E+00	4.57E-03	4.56E-02	9.05E-04	1.05E-01	8.04E-03	2.77E+00
360.195	4249.375	7.14E-04	3.04E-02	1.95E-03	2.68E-01	8.53E-02	1.92E+00	4.19E-03	4.10E-02	8.26E-04	9.18E-02	7.05E-03	2.45E+00
360.191	4249.427	6.87E-04	2.77E-02	1.81E-03	2.46E-01	7.64E-02	1.74E+00	3.91E-03	3.78E-02	7.63E-04	8.20E-02	6.34E-03	2.23E+00
360.189	4249.503	6.54E-04	2.48E-02	1.67E-03	2.21E-01	6.54E-02	1.59E+00	3.57E-03	3.39E-02	6.95E-04	7.02E-02	5.49E-03	2.02E+00
360.186	4249.569	6.29E-04	2.28E-02	1.57E-03	2.02E-01	5.70E-02	1.50E+00	3.33E-03	3.09E-02	6.49E-04	6.17E-02	4.88E-03	1.88E+00
360.178	4249.644	6.02E-04	2.12E-02	1.48E-03	1.84E-01	4.84E-02	1.47E+00	3.07E-03	2.80E-02	6.10E-04	5.48E-02	4.34E-03	1.82E+00
360.178	4249.719	5.73E-04	1.94E-02	1.39E-03	1.68E-01	4.18E-02	1.37E+00	2.86E-03	2.55E-02	5.68E-04	4.90E-02	3.91E-03	1.68E+00
360.186	4249.823	5.34E-04	1.70E-02	1.26E-03	1.51E-01	3.45E-02	1.19E+00	2.61E-03	2.26E-02	5.10E-04	4.24E-02	3.43E-03	1.46E+00
360.188	4249.929	4.95E-04	1.48E-02	1.13E-03	1.33E-01	2.82E-02	1.00E+00	2.37E-03	1.99E-02	4.54E-04	3.59E-02	2.96E-03	1.24E+00
360.18	4250.032	4.74E-04	1.35E-02	1.06E-03	1.19E-01	2.32E-02	9.42E-01	2.15E-03	1.77E-02	4.22E-04	3.10E-02	2.57E-03	1.15E+00
360.091	4250.02	4.72E-04	1.33E-02	1.03E-03	1.09E-01	2.10E-02	8.40E-01	1.93E-03	1.68E-02	4.09E-04	2.77E-02	2.32E-03	1.03E+00
360.003	4250.007	4.66E-04	1.30E-02	9.69E-04	1.01E-01	1.93E-02	7.67E-01	1.76E-03	1.60E-02	3.91E-04	2.52E-02	2.13E-03	9.47E-01
359.914	4249.995	4.53E-04	1.25E-02	9.05E-04	9.41E-02	1.76E-02	7.10E-01	1.62E-03	1.52E-02	3.70E-04	2.33E-02	1.97E-03	8.78E-01
360.269	4249.127	8.39E-04	4.47E-02	2.61E-03	4.35E-01	2.00E-01	3.56E+00	6.47E-03	7.53E-02	1.16E-03	1.74E-01	1.22E-02	4.51E+00
360.334	4249.128	8.49E-04	4.24E-02	2.63E-03	4.68E-01	2.66E-01	4.08E+00	7.06E-03	8.71E-02	1.14E-03	1.94E-01	1.31E-02	5.16E+00
360.403	4249.137	9.02E-04	3.87E-02	2.57E-03	5.02E-01	3.47E-01	4.30E+00	7.53E-03	9.87E-02	1.10E-03	2.18E-01	1.45E-02	5.53E+00
360.498	4249.157	1.06E-03	3.33E-02	2.43E-03	5.64E-01	4.35E-01	3.98E+00	7.79E-03	1.04E-01	1.02E-03	2.64E-01	1.84E-02	5.41E+00
360.592	4249.185	1.27E-03	2.84E-02	2.26E-03	5.38E-01	3.77E-01	3.11E+00	7.38E-03	9.22E-02	9.40E-04	2.45E-01	1.77E-02	4.41E+00
360.678	4249.21	1.44E-03	2.36E-02	2.02E-03	4.37E-01	2.65E-01	2.27E+00	6.82E-03	7.50E-02	8.29E-04	1.76E-01	1.28E-02	3.27E+00
360.632	4249.294	1.24E-03	2.42E-02	2.00E-03	3.65E-01	2.00E-01	2.13E+00	6.01E-03	5.88E-02	8.23E-04	1.37E-01	1.01E-02	2.93E+00
360.585	4249.378	1.06E-03	2.41E-02	1.94E-03	3.12E-01	1.45E-01	2.02E+00	5.36E-03	4.75E-02	7.99E-04	1.09E-01	8.23E-03	2.68E+00
360.538	4249.462	9.27E-04	2.35E-02	1.85E-03	2.66E-01	1.02E-01	1.89E+00	4.77E-03	3.91E-02	7.59E-04	8.50E-02	6.57E-03	2.42E+00
360.491	4249.545	8.32E-04	2.27E-02	1.75E-03	2.38E-01	8.24E-02	1.74E+00	4.29E-03	3.49E-02	7.21E-04	7.23E-02	5.64E-03	2.20E+00
360.444	4249.629	7.49E-04	2.16E-02	1.63E-03	2.06E-01	5.76E-02	1.54E+00	3.79E-03	2.94E-02	6.73E-04	5.78E-02	4.64E-03	1.92E+00
360.397	4249.713	6.76E-04	2.03E-02	1.52E-03	1.87E-01	5.16E-02	1.40E+00	3.44E-03	2.70E-02	6.24E-04	5.16E-02	4.15E-03	1.75E+00
360.35	4249.797	6.04E-04	1.85E-02	1.38E-03	1.66E-01	4.21E-02	1.24E+00	3.08E-03	2.40E-02	5.66E-04	4.41E-02	3.59E-03	1.54E+00
360.277	4249.8	5.67E-04	1.79E-02	1.33E-03	1.66E-01	4.14E-02	1.22E+00	2.98E-03	2.45E-02	5.41E-04	4.73E-02	3.81E-03	1.53E+00
360.233	4249.168	8.26E-04	4.26E-02	2.50E-03	3.96E-01	1.53E-01	3.06E+00	5.83E-03	6.35E-02	1.10E-03	1.54E-01	1.12E-02	3.89E+00
360.049	4248.941	9.21E-04	6.38E-02	3.00E-03	3.97E-01	9.51E-02	3.78E+00	5.95E-03	5.64E-02	1.48E-03	1.40E-01	1.07E-02	4.55E+00
359.958	4248.92	7.76E-04	4.50E-02	2.24E-03	3.34E-01	6.81E-02	2.43E+00	5.56E-03	4.66E-02	1.07E-03	1.07E-01	8.52E-03	3.05E+00
359.868	4248.894	6.87E-04	4.02E-02	2.04E-03	3.02E-01	5.11E-02	2.58E+00	5.18E-03	4.09E-02	9.64E-04	8.61E-02	7.10E-03	3.12E+00
359.743	4248.646	4.43E-04	4.40E-02	1.78E-03	2.76E-01	3.11E-02	2.57E+00	4.50E-03	3.96E-02	1.00E-03	6.52E-02	5.63E-03	3.04E+00
359.749	4248.592	4.17E-04	4.36E-02	1.76E-03	2.79E-01	2.99E-02	2.61E+00	4.53E-03	4.15E-02	9.93E-04	6.54E-02	5.70E-03	3.09E+00
359.754	4248.513	3.74E-04	3.78E-02	1.57E-03	2.84E-01	2.77E-02	2.63E+00	4.54E-03	4.56E-02	8.70E-04	6.47E-02	5.73E-03	3.10E+00
359.751	4248.443	3.42E-04	3.66E-02	1.53E-03	2.91E-01	2.49E-02	2.56E+00	4.54E-03	5.13E-02	8.45E-04	6.32E-02	5.76E-03	3.04E+00

TASK 3
CHILD NON-CANCER HAZARD QUOTIENTS AND HAZARD INDEX AT EACH RECEPTOR

RECEPTOR		CHILD HQ											CHILD NON-CANCER HI
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE	
351.191	4248.367	7.70E-05	9.65E-04	1.27E-04	1.31E-02	4.27E-04	4.55E-02	2.24E-04	3.00E-03	4.47E-05	1.24E-03	1.78E-04	6.48E-02
361.042	4244.529	6.03E-04	7.04E-03	7.00E-04	9.74E-02	2.65E-03	3.33E-01	1.81E-03	3.00E-02	2.62E-04	9.51E-03	1.36E-03	4.84E-01
361.004	4242.31	3.65E-04	3.61E-03	4.11E-04	4.12E-02	1.15E-03	1.48E-01	7.51E-04	1.28E-02	1.48E-04	4.21E-03	5.88E-04	2.13E-01
361.991	4248.954	2.81E-03	2.03E-02	2.40E-03	4.06E-01	3.44E-02	1.80E+00	9.39E-03	5.55E-02	9.07E-04	7.36E-02	6.68E-03	2.41E+00
362.048	4247.285	1.77E-03	2.10E-02	2.01E-03	3.83E-01	1.47E-02	1.41E+00	8.78E-03	7.98E-02	7.84E-04	4.61E-02	5.25E-03	1.97E+00
360.725	4249.695	3.02E-03	4.99E-02	4.39E-03	6.16E-01	1.68E-01	4.15E+00	1.10E-02	8.71E-02	1.76E-03	1.94E-01	1.55E-02	5.30E+00
361.88	4251.105	1.86E-03	1.14E-02	1.64E-03	1.46E-01	9.79E-03	6.40E-01	2.99E-03	2.64E-02	5.77E-04	2.14E-02	2.30E-03	8.64E-01
361.514	4247.077	4.30E-03	3.17E-02	3.21E-03	7.54E-01	1.53E-02	2.18E+00	1.81E-02	1.60E-01	1.26E-03	6.31E-02	9.03E-03	3.24E+00
363.022	4250.743	1.40E-03	7.01E-03	1.11E-03	9.77E-02	5.39E-03	3.80E-01	2.12E-03	1.91E-02	3.77E-04	1.29E-02	1.46E-03	5.29E-01
363.845	4250.503	9.44E-04	4.93E-03	8.48E-04	7.96E-02	3.61E-03	2.86E-01	1.58E-03	1.66E-02	2.77E-04	9.35E-03	1.12E-03	4.04E-01
369.938	4251.951	2.68E-04	1.29E-03	2.82E-04	1.66E-02	5.79E-04	6.08E-02	3.33E-04	3.13E-03	8.24E-05	1.80E-03	2.23E-04	8.53E-02
368.355	4251.123	3.71E-04	1.82E-03	3.55E-04	2.45E-02	8.52E-04	9.19E-02	4.85E-04	4.70E-03	1.09E-04	2.66E-03	3.26E-04	1.28E-01
363.629	4249.585	8.04E-04	8.08E-03	8.70E-04	1.38E-01	5.88E-03	4.66E-01	2.72E-03	2.43E-02	3.25E-04	1.66E-02	1.84E-03	6.66E-01
369.859	4252.183	2.71E-04	1.33E-03	2.85E-04	1.70E-02	5.82E-04	6.26E-02	3.37E-04	3.18E-03	8.31E-05	1.84E-03	2.28E-04	8.77E-02
368.069	4251.009	3.94E-04	1.93E-03	3.71E-04	2.57E-02	9.20E-04	9.91E-02	5.21E-04	5.06E-03	1.15E-04	2.85E-03	3.48E-04	1.37E-01
369.904	4251.966	2.71E-04	1.30E-03	2.84E-04	1.67E-02	5.82E-04	6.14E-02	3.35E-04	3.15E-03	8.31E-05	1.81E-03	2.25E-04	8.62E-02
367.434	4250.773	4.15E-04	2.23E-03	4.06E-04	2.93E-02	1.10E-03	1.14E-01	6.03E-04	5.84E-03	1.28E-04	3.36E-03	4.06E-04	1.58E-01
370.147	4251.962	2.54E-04	1.21E-03	2.69E-04	1.56E-02	5.52E-04	5.73E-02	3.18E-04	2.94E-03	7.86E-05	1.69E-03	2.10E-04	8.04E-02
362.258	4250.367	2.12E-03	1.13E-02	1.59E-03	1.42E-01	1.16E-02	6.74E-01	3.03E-03	2.80E-02	5.66E-04	2.31E-02	2.35E-03	9.00E-01
355.43	4258.246	1.02E-04	9.02E-04	1.44E-04	8.57E-03	4.67E-04	4.09E-02	1.67E-04	1.85E-03	4.75E-05	1.17E-03	1.33E-04	5.44E-02
354.883	4257.416	1.20E-04	1.06E-03	1.55E-04	9.49E-03	5.18E-04	4.76E-02	1.86E-04	2.21E-03	5.26E-05	1.34E-03	1.56E-04	6.29E-02
356.063	4257.493	1.33E-04	1.24E-03	1.76E-04	1.12E-02	6.08E-04	5.48E-02	2.24E-04	2.24E-03	6.01E-05	1.52E-03	1.71E-04	7.24E-02
356.252	4258.813	8.19E-05	8.21E-04	1.10E-04	7.64E-03	4.49E-04	3.81E-02	1.56E-04	1.58E-03	3.69E-05	1.07E-03	1.20E-04	5.02E-02
353.592	4257.513	1.12E-04	8.39E-04	1.40E-04	9.14E-03	4.48E-04	4.14E-02	1.76E-04	1.92E-03	4.68E-05	1.17E-03	1.36E-04	5.56E-02
354.756	4257.833	1.05E-04	9.37E-04	1.42E-04	8.41E-03	4.65E-04	4.20E-02	1.66E-04	1.97E-03	4.77E-05	1.19E-03	1.38E-04	5.56E-02
355.609	4257.482	1.25E-04	1.13E-03	1.69E-04	1.06E-02	5.83E-04	5.11E-02	2.06E-04	2.25E-03	5.74E-05	1.47E-03	1.66E-04	6.78E-02
356.538	4257.418	1.36E-04	1.42E-03	1.83E-04	1.21E-02	6.62E-04	6.24E-02	2.55E-04	2.46E-03	6.30E-05	1.69E-03	1.88E-04	8.15E-02
358.28	4258.699	1.17E-04	1.35E-03	1.67E-04	1.18E-02	6.94E-04	6.16E-02	2.35E-04	2.32E-03	5.91E-05	1.74E-03	1.88E-04	8.02E-02
358.583	4257.985	1.60E-04	1.83E-03	2.29E-04	1.58E-02	9.23E-04	8.23E-02	3.29E-04	3.02E-03	8.01E-05	2.35E-03	2.53E-04	1.07E-01
357.757	4257.938	1.28E-04	1.50E-03	2.03E-04	1.34E-02	7.53E-04	6.58E-02	2.62E-04	2.69E-03	7.00E-05	1.87E-03	2.09E-04	8.69E-02
357.967	4236.782	1.66E-04	1.31E-03	1.57E-04	1.39E-02	3.72E-04	5.44E-02	2.61E-04	3.54E-03	5.77E-05	1.40E-03	1.93E-04	7.58E-02
358.319	4256.787	1.86E-04	2.30E-03	2.67E-04	1.95E-02	1.13E-03	9.91E-02	4.00E-04	3.71E-03	9.64E-05	2.77E-03	3.03E-04	1.30E-01
360.07	4251.515	7.21E-04	1.31E-02	1.13E-03	1.12E-01	1.05E-02	6.70E-01	2.14E-03	1.76E-02	4.40E-04	2.02E-02	1.94E-03	8.49E-01
352.923	4256.511	1.01E-04	8.98E-04	1.53E-04	8.99E-03	5.44E-04	4.63E-02	1.62E-04	2.35E-03	5.23E-05	1.30E-03	1.54E-04	6.10E-02
352.91	4256.166	1.01E-04	9.21E-04	1.53E-04	9.26E-03	6.09E-04	4.96E-02	1.69E-04	2.45E-03	5.21E-05	1.41E-03	1.62E-04	6.49E-02
351.861	4255.334	8.79E-05	8.96E-04	1.30E-04	8.09E-03	4.40E-04	4.12E-02	1.52E-04	2.33E-03	4.35E-05	1.13E-03	1.40E-04	5.47E-02
351.249	4248.867	9.97E-05	1.20E-03	1.39E-04	1.25E-02	4.68E-04	5.53E-02	2.33E-04	2.92E-03	5.11E-05	1.38E-03	1.87E-04	7.46E-02
352.304	4244.943	2.76E-04	2.66E-03	3.36E-04	2.71E-02	7.73E-04	1.14E-01	5.50E-04	5.34E-03	1.22E-04	2.79E-03	3.46E-04	1.54E-01
351.442	4248.922	1.16E-04	1.37E-03	1.62E-04	1.41E-02	5.18E-04	6.25E-02	2.60E-04	3.36E-03	5.93E-05	1.56E-03	2.09E-04	8.42E-02
351.268	4248.783	9.93E-05	1.19E-03	1.42E-04	1.29E-02	4.63E-04	5.47E-02	2.42E-04	2.99E-03	5.18E-05	1.36E-03	1.88E-04	7.43E-02
359.832	4249.938	1.22E-03	3.44E-02	2.42E-03	2.58E-01	4.77E-02	1.96E+00	4.39E-03	4.22E-02	1.00E-03	6.46E-02	5.46E-03	2.42E+00
359.84	4249.884	1.25E-03	3.67E-02	2.53E-03	2.74E-01	5.23E-02	2.11E+00	4.62E-03	4.47E-02	1.06E-03	7.00E-02	5.88E-03	2.61E+00
359.86	4249.794	1.33E-03	4.16E-02	2.79E-03	3.07E-01	6.15E-02	2.43E+00	5.10E-03	4.99E-02	1.17E-03	8.11E-02	6.74E-03	2.98E+00
359.875	4249.736	1.39E-03	4.52E-02	2.97E-03	3.31E-01	6.87E-02	2.65E+00	5.45E-03	5.37E-02	1.26E-03	8.96E-02	7.40E-03	3.26E+00
359.806	4249.729	1.31E-03	4.22E-02	2.80E-03	3.12E-01	6.22E-02	2.50E+00	5.17E-03	5.09E-02	1.18E-03	8.34E-02	6.92E-03	3.07E+00
359.818	4249.667	1.37E-03	4.59E-02	2.98E-03	3.38E-01	6.93E-02	2.74E+00	5.56E-03	5.49E-02	1.27E-03	9.25E-02	7.63E-03	3.36E+00
359.827	4249.617	1.42E-03	4.85E-02	3.11E-03	3.61E-01	7.59E-02	2.91E+00	5.91E-03	5.84E-02	1.33E-03	9.97E-02	8.22E-03	3.57E+00
359.836	4249.56	1.47E-03	5.13E-02	3.25E-03	3.89E-01	8.39E-02	2.91E+00	6.35E-03	6.27E-02	1.40E-03	1.09E-01	8.96E-03	3.63E+00
359.849	4249.506	1.53E-03	5.43E-02	3.41E-03	4.20E-01	9.31E-02	2.91E+00	6.84E-03	6.73E-02	1.47E-03	1.20E-01	9.82E-03	3.68E+00
359.888	4249.439	1.66E-03	6.15E-02	3.79E-03	4.75E-01	1.11E-01	3.23E+00	7.64E-03	7.54E-02	1.64E-03	1.40E-01	1.14E-02	4.12E+00
359.939	4249.397	1.81E-03	7.04E-02	4.25E-03	5.33E-01	1.31E-01	3.83E+00	8.41E-03	8.39E-02	1.85E-03	1.64E-01	1.31E-02	4.84E+00
359.984	4249.373	1.90E-03	7.71E-02	4.61E-03	5.80E-01	1.49E-01	4.29E+00	9.04E-03	9.10E-02	2.01E-03	1.84E-01	1.46E-02	5.40E+00
360.032	4249.325	2.05E-03	8.86E-02	5.20E-03	6.60E-01	1.79E-01	5.17E+00	1.01E-02	1.02E-01	2.28E-03	2.18E-01	1.70E-02	6.45E+00
360.068	4249.275	2.15E-03	9.71E-02	5.62E-03	7.38E-01	2.11E-01	5.39E+00	1.13E-02	1.14E-01	2.48E-03	2.51E-01	1.95E-02	6.84E+00
360.088	4249.225	2.25E-03	1.07E-01	6.01E-03	8.15E-01	2.41E-01	5.82E+00	1.24E-02	1.25E-01	2.68E-03	2.84E-01	2.19E-02	7.44E+00
360.06	4249.18	2.32E-03	1.11E-01	6.06E-03	8.28E-01	2.39E-01	5.87E+00	1.27E-02	1.27E-01	2.74E-03	2.90E-01	2.24E-02	7.51E+00

C-3
CANCER RISKS: TASK 1 DATA

TASK 1
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
359.832	4249.938	2.43E-06	3.37E-06	2.34E-06	3.11E-07	1.86E-06	1.03E-05
359.84	4249.884	2.54E-06	3.58E-06	2.53E-06	3.40E-07	1.96E-06	1.10E-05
359.86	4249.794	2.79E-06	4.00E-06	2.91E-06	3.99E-07	2.17E-06	1.23E-05
359.875	4249.736	2.96E-06	4.31E-06	3.21E-06	4.45E-07	2.32E-06	1.32E-05
359.806	4249.729	2.79E-06	4.09E-06	3.01E-06	4.03E-07	2.17E-06	1.25E-05
359.818	4249.667	2.96E-06	4.42E-06	3.33E-06	4.49E-07	2.33E-06	1.35E-05
359.827	4249.617	3.09E-06	4.71E-06	3.63E-06	4.91E-07	2.44E-06	1.44E-05
359.836	4249.56	3.23E-06	5.06E-06	3.98E-06	5.43E-07	2.55E-06	1.54E-05
359.849	4249.506	3.38E-06	5.44E-06	4.36E-06	6.02E-07	2.68E-06	1.65E-05
359.888	4249.439	3.75E-06	6.10E-06	5.08E-06	7.14E-07	2.99E-06	1.86E-05
359.939	4249.397	4.21E-06	6.78E-06	5.93E-06	8.43E-07	3.38E-06	2.11E-05
359.984	4249.373	4.58E-06	7.32E-06	6.63E-06	9.61E-07	3.68E-06	2.32E-05
360.032	4249.325	5.17E-06	8.26E-06	7.83E-06	1.16E-06	4.18E-06	2.66E-05
360.068	4249.275	5.59E-06	9.20E-06	8.98E-06	1.36E-06	4.54E-06	2.97E-05
360.088	4249.225	5.98E-06	1.01E-05	1.01E-05	1.56E-06	4.91E-06	3.27E-05
360.06	4249.18	6.01E-06	1.03E-05	1.03E-05	1.54E-06	5.01E-06	3.32E-05
360.115	4249.143	6.60E-06	1.12E-05	1.08E-05	1.93E-06	5.57E-06	3.61E-05
360.171	4249.034	8.36E-06	1.53E-05	1.74E-05	2.84E-06	7.28E-06	5.12E-05
360.171	4249.149	6.95E-06	1.27E-05	1.36E-05	2.33E-06	5.78E-06	4.13E-05
360.198	4249.204	6.66E-06	1.21E-05	1.30E-05	2.24E-06	5.41E-06	3.94E-05
360.2	4249.26	6.29E-06	1.12E-05	1.17E-05	1.98E-06	5.03E-06	3.62E-05
360.199	4249.312	5.94E-06	1.03E-05	1.05E-05	1.77E-06	4.71E-06	3.32E-05
360.195	4249.375	5.49E-06	9.30E-06	9.08E-06	1.54E-06	4.30E-06	2.97E-05
360.191	4249.427	5.12E-06	8.55E-06	8.08E-06	1.38E-06	3.97E-06	2.71E-05
360.189	4249.503	4.72E-06	7.73E-06	6.96E-06	1.19E-06	3.62E-06	2.42E-05
360.186	4249.569	4.43E-06	7.08E-06	6.21E-06	1.04E-06	3.38E-06	2.21E-05
360.178	4249.644	4.18E-06	6.47E-06	5.49E-06	8.81E-07	3.18E-06	2.02E-05
360.178	4249.719	3.92E-06	5.97E-06	4.92E-06	7.63E-07	2.96E-06	1.85E-05
360.186	4249.823	3.57E-06	5.37E-06	4.31E-06	6.31E-07	2.67E-06	1.65E-05
360.188	4249.929	3.21E-06	4.78E-06	3.67E-06	5.17E-07	2.38E-06	1.45E-05
360.18	4250.032	3.01E-06	4.27E-06	3.15E-06	4.27E-07	2.22E-06	1.31E-05
360.091	4250.02	2.89E-06	3.93E-06	2.81E-06	3.87E-07	2.13E-06	1.21E-05
360.003	4250.007	2.71E-06	3.65E-06	2.55E-06	3.55E-07	2.03E-06	1.13E-05
359.914	4249.995	2.54E-06	3.42E-06	2.35E-06	3.21E-07	1.92E-06	1.06E-05
360.269	4249.127	7.33E-06	1.48E-05	1.63E-05	3.62E-06	6.01E-06	4.81E-05
360.334	4249.128	7.35E-06	1.59E-05	1.76E-05	4.81E-06	5.92E-06	5.16E-05
360.403	4249.137	7.20E-06	1.71E-05	1.98E-05	6.29E-06	5.69E-06	5.61E-05
360.498	4249.157	6.80E-06	1.90E-05	2.60E-05	7.89E-06	5.27E-06	6.50E-05
360.592	4249.185	6.34E-06	1.82E-05	2.49E-05	6.81E-06	4.86E-06	6.11E-05
360.678	4249.21	5.66E-06	1.49E-05	1.71E-05	4.82E-06	4.30E-06	4.68E-05
360.632	4249.294	5.61E-06	1.26E-05	1.34E-05	3.62E-06	4.27E-06	3.95E-05
360.585	4249.378	5.47E-06	1.08E-05	1.08E-05	2.63E-06	4.15E-06	3.39E-05
360.538	4249.462	5.22E-06	9.30E-06	8.50E-06	1.85E-06	3.96E-06	2.88E-05
360.491	4249.545	4.97E-06	8.34E-06	7.21E-06	1.50E-06	3.77E-06	2.58E-05
360.444	4249.629	4.63E-06	7.25E-06	5.81E-06	1.05E-06	3.52E-06	2.23E-05
360.397	4249.713	4.30E-06	6.59E-06	5.08E-06	9.39E-07	3.26E-06	2.02E-05
360.35	4249.797	3.91E-06	5.88E-06	4.32E-06	7.68E-07	2.95E-06	1.78E-05
360.277	4249.8	3.76E-06	5.87E-06	4.73E-06	7.56E-07	2.83E-06	1.79E-05
360.233	4249.168	7.02E-06	1.36E-05	1.50E-05	2.77E-06	5.72E-06	4.40E-05
360.049	4248.941	8.25E-06	1.38E-05	1.41E-05	1.70E-06	7.50E-06	4.53E-05
359.958	4248.92	6.19E-06	1.17E-05	1.06E-05	1.22E-06	5.47E-06	3.52E-05
359.868	4248.894	5.61E-06	1.06E-05	8.76E-06	9.13E-07	4.92E-06	3.08E-05
359.743	4248.646	4.92E-06	9.66E-06	6.36E-06	5.54E-07	5.15E-06	2.66E-05
359.749	4248.592	4.83E-06	9.80E-06	6.34E-06	5.34E-07	5.06E-06	2.66E-05
359.754	4248.513	4.26E-06	9.98E-06	6.21E-06	4.93E-07	4.35E-06	2.53E-05
359.751	4248.443	4.14E-06	1.02E-05	5.96E-06	4.44E-07	4.20E-06	2.49E-05
359.839	4248.354	5.45E-06	1.28E-05	6.91E-06	4.61E-07	5.88E-06	3.15E-05
359.934	4248.308	8.67E-06	1.63E-05	8.31E-06	5.13E-07	1.00E-05	4.39E-05
360.03	4248.262	1.64E-05	2.14E-05	9.42E-06	5.56E-07	2.11E-05	6.88E-05
360.23	4248.121	4.90E-05	5.53E-05	1.10E-05	4.82E-07	6.52E-05	1.81E-04
360.196	4248.694	1.62E-05	2.61E-05	2.70E-05	2.86E-06	1.77E-05	8.98E-05
360.188	4248.787	1.23E-05	2.26E-05	2.55E-05	3.18E-06	1.26E-05	7.61E-05
360.186	4248.85	1.08E-05	2.07E-05	2.42E-05	3.31E-06	1.06E-05	6.96E-05
360.187	4248.927	9.79E-06	1.86E-05	2.21E-05	3.33E-06	9.09E-06	6.29E-05
360.728	4248.992	5.65E-06	2.66E-05	3.75E-05	1.03E-05	4.33E-06	8.44E-05
360.4	4248.912	8.87E-06	3.32E-05	5.52E-05	1.29E-05	7.74E-06	1.18E-04
360.341	4248.904	9.40E-06	2.93E-05	4.33E-05	9.02E-06	8.43E-06	9.95E-05
360.253	4248.902	9.84E-06	2.28E-05	2.96E-05	5.03E-06	9.13E-06	7.63E-05
360.239	4248.398	6.12E-05	3.73E-05	2.28E-05	1.27E-06	8.18E-05	2.04E-04
360.289	4248.002	1.63E-05	1.09E-04	9.48E-06	3.61E-07	2.03E-05	1.55E-04
360.302	4247.704	3.94E-06	1.05E-03	6.07E-06	1.76E-07	4.05E-06	1.06E-03
360.305	4247.6	3.21E-06	7.07E-05	4.55E-06	1.43E-07	3.18E-06	8.18E-05
360.302	4247.5	2.64E-06	4.02E-05	3.31E-06	1.18E-07	2.55E-06	4.88E-05
360.301	4247.402	2.15E-06	2.46E-05	2.76E-06	1.00E-07	2.06E-06	3.17E-05
360.293	4247.104	1.59E-06	7.13E-06	2.20E-06	6.52E-08	1.48E-06	1.25E-05
360.296	4246.694	1.11E-06	3.20E-06	9.02E-07	4.23E-08	9.68E-07	6.22E-06
360.295	4246.592	1.03E-06	2.75E-06	7.70E-07	3.87E-08	8.83E-07	5.47E-06
360.298	4246.497	9.46E-07	2.29E-06	6.36E-07	3.56E-08	8.00E-07	4.71E-06
360.3	4246.446	9.16E-07	2.14E-06	5.94E-07	3.41E-08	7.69E-07	4.46E-06

TASK 1
CUMULATIVE ADULT CANCER RISK PER LOCATION

RECEPTOR		ADULT CANCER RISK					CUMULATIVE ADULT CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
359.832	4249.938	1.43E-06	1.98E-06	1.38E-06	1.83E-07	1.10E-06	6.07E-06
359.84	4249.884	1.49E-06	2.11E-06	1.49E-06	2.00E-07	1.15E-06	6.44E-06
359.86	4249.794	1.64E-06	2.35E-06	1.71E-06	2.35E-07	1.28E-06	7.21E-06
359.875	4249.736	1.74E-06	2.53E-06	1.89E-06	2.62E-07	1.36E-06	7.79E-06
359.806	4249.729	1.64E-06	2.41E-06	1.77E-06	2.37E-07	1.28E-06	7.33E-06
359.818	4249.667	1.74E-06	2.60E-06	1.96E-06	2.64E-07	1.37E-06	7.93E-06
359.827	4249.617	1.82E-06	2.77E-06	2.13E-06	2.89E-07	1.43E-06	8.44E-06
359.836	4249.56	1.90E-06	2.97E-06	2.34E-06	3.19E-07	1.50E-06	9.04E-06
359.849	4249.506	1.99E-06	3.20E-06	2.56E-06	3.54E-07	1.58E-06	9.68E-06
359.888	4249.439	2.21E-06	3.59E-06	2.99E-06	4.20E-07	1.76E-06	1.10E-05
359.939	4249.397	2.48E-06	3.98E-06	3.49E-06	4.96E-07	1.99E-06	1.24E-05
359.984	4249.373	2.69E-06	4.31E-06	3.90E-06	5.65E-07	2.17E-06	1.36E-05
360.032	4249.325	3.04E-06	4.86E-06	4.60E-06	6.80E-07	2.46E-06	1.56E-05
360.068	4249.275	3.29E-06	5.41E-06	5.28E-06	8.00E-07	2.67E-06	1.75E-05
360.088	4249.225	3.52E-06	5.95E-06	5.95E-06	9.17E-07	2.89E-06	1.92E-05
360.06	4249.18	3.53E-06	6.05E-06	6.07E-06	9.07E-07	2.94E-06	1.95E-05
360.115	4249.143	3.88E-06	6.56E-06	6.36E-06	1.14E-06	3.27E-06	2.12E-05
360.171	4249.034	4.92E-06	9.02E-06	1.02E-05	1.67E-06	4.28E-06	3.01E-05
360.171	4249.149	4.09E-06	7.44E-06	7.99E-06	1.37E-06	3.40E-06	2.43E-05
360.198	4249.204	3.91E-06	7.14E-06	7.62E-06	1.32E-06	3.18E-06	2.32E-05
360.2	4249.26	3.70E-06	6.57E-06	6.87E-06	1.17E-06	2.96E-06	2.13E-05
360.199	4249.312	3.49E-06	6.07E-06	6.16E-06	1.04E-06	2.77E-06	1.95E-05
360.195	4249.375	3.23E-06	5.47E-06	5.34E-06	9.07E-07	2.53E-06	1.75E-05
360.191	4249.427	3.01E-06	5.03E-06	4.75E-06	8.13E-07	2.34E-06	1.59E-05
360.189	4249.503	2.77E-06	4.55E-06	4.09E-06	6.97E-07	2.13E-06	1.42E-05
360.186	4249.569	2.60E-06	4.17E-06	3.65E-06	6.09E-07	1.99E-06	1.30E-05
360.178	4249.644	2.46E-06	3.80E-06	3.23E-06	5.18E-07	1.87E-06	1.19E-05
360.178	4249.719	2.30E-06	3.51E-06	2.89E-06	4.49E-07	1.74E-06	1.09E-05
360.186	4249.823	2.10E-06	3.16E-06	2.53E-06	3.71E-07	1.57E-06	9.73E-06
360.188	4249.929	1.89E-06	2.81E-06	2.16E-06	3.04E-07	1.40E-06	8.56E-06
360.18	4250.032	1.77E-06	2.51E-06	1.85E-06	2.51E-07	1.30E-06	7.69E-06
360.091	4250.02	1.70E-06	2.31E-06	1.65E-06	2.28E-07	1.25E-06	7.14E-06
360.003	4250.007	1.59E-06	2.15E-06	1.50E-06	2.09E-07	1.19E-06	6.64E-06
359.914	4249.995	1.49E-06	2.01E-06	1.38E-06	1.89E-07	1.13E-06	6.21E-06
360.269	4249.127	4.31E-06	8.72E-06	9.56E-06	2.13E-06	3.53E-06	2.83E-05
360.334	4249.128	4.32E-06	9.38E-06	1.03E-05	2.83E-06	3.48E-06	3.03E-05
360.403	4249.137	4.23E-06	1.00E-05	1.17E-05	3.70E-06	3.34E-06	3.30E-05
360.498	4249.157	4.00E-06	1.12E-05	1.53E-05	4.64E-06	3.10E-06	3.82E-05
360.592	4249.185	3.73E-06	1.07E-05	1.46E-05	4.01E-06	2.86E-06	3.59E-05
360.678	4249.21	3.33E-06	8.77E-06	1.01E-05	2.84E-06	2.53E-06	2.75E-05
360.632	4249.294	3.30E-06	7.39E-06	7.88E-06	2.13E-06	2.51E-06	2.32E-05
360.585	4249.378	3.22E-06	6.35E-06	6.36E-06	1.55E-06	2.44E-06	1.99E-05
360.538	4249.462	3.07E-06	5.47E-06	5.00E-06	1.09E-06	2.33E-06	1.70E-05
360.491	4249.545	2.92E-06	4.90E-06	4.24E-06	8.83E-07	2.22E-06	1.52E-05
360.444	4249.629	2.72E-06	4.27E-06	3.41E-06	6.18E-07	2.07E-06	1.31E-05
360.397	4249.713	2.53E-06	3.88E-06	2.99E-06	5.52E-07	1.92E-06	1.19E-05
360.35	4249.797	2.30E-06	3.46E-06	2.54E-06	4.52E-07	1.74E-06	1.05E-05
360.277	4249.8	2.21E-06	3.45E-06	2.78E-06	4.45E-07	1.66E-06	1.06E-05
360.233	4249.168	4.13E-06	7.97E-06	8.80E-06	1.63E-06	3.36E-06	2.59E-05
360.049	4248.941	4.85E-06	8.09E-06	8.30E-06	1.00E-06	4.41E-06	2.67E-05
359.958	4248.92	3.64E-06	6.87E-06	6.23E-06	7.16E-07	3.22E-06	2.07E-05
359.868	4248.894	3.30E-06	6.23E-06	5.15E-06	5.37E-07	2.90E-06	1.81E-05
359.743	4248.646	2.89E-06	5.68E-06	3.74E-06	3.26E-07	3.03E-06	1.57E-05
359.749	4248.592	2.84E-06	5.76E-06	3.73E-06	3.14E-07	2.98E-06	1.56E-05
359.754	4248.513	2.51E-06	5.87E-06	3.65E-06	2.90E-07	2.56E-06	1.49E-05
359.751	4248.443	2.43E-06	5.98E-06	3.51E-06	2.61E-07	2.47E-06	1.47E-05
359.839	4248.354	3.21E-06	7.51E-06	4.06E-06	2.71E-07	3.46E-06	1.85E-05
359.934	4248.308	5.10E-06	9.61E-06	4.89E-06	3.02E-07	5.89E-06	2.58E-05
360.03	4248.262	9.64E-06	1.26E-05	5.54E-06	3.27E-07	1.24E-05	4.04E-05
360.23	4248.121	2.88E-05	3.25E-05	6.49E-06	2.84E-07	3.83E-05	1.06E-04
360.196	4248.694	9.50E-06	1.53E-05	1.59E-05	1.68E-06	1.04E-05	5.28E-05
360.188	4248.787	7.21E-06	1.33E-05	1.50E-05	1.87E-06	7.40E-06	4.48E-05
360.186	4248.85	6.33E-06	1.22E-05	1.42E-05	1.94E-06	6.22E-06	4.09E-05
360.187	4248.927	5.76E-06	1.09E-05	1.30E-05	1.96E-06	5.34E-06	3.70E-05
360.728	4248.992	3.32E-06	1.57E-05	2.20E-05	6.08E-06	2.54E-06	4.96E-05
360.4	4248.912	5.22E-06	1.95E-05	3.25E-05	7.61E-06	4.55E-06	6.94E-05
360.341	4248.904	5.53E-06	1.73E-05	2.55E-05	5.30E-06	4.96E-06	5.85E-05
360.253	4248.902	5.79E-06	1.34E-05	1.74E-05	2.96E-06	5.37E-06	4.49E-05
360.239	4248.398	3.60E-05	2.20E-05	1.34E-05	7.45E-07	4.81E-05	1.20E-04
360.289	4248.002	9.60E-06	6.38E-05	5.58E-06	2.13E-07	1.19E-05	9.11E-05
360.302	4247.704	2.32E-06	6.17E-04	3.57E-06	1.04E-07	2.38E-06	6.25E-04
360.305	4247.6	1.89E-06	4.16E-05	2.68E-06	8.40E-08	1.87E-06	4.81E-05
360.302	4247.5	1.55E-06	2.36E-05	1.94E-06	6.96E-08	1.50E-06	2.87E-05
360.301	4247.402	1.27E-06	1.45E-05	1.63E-06	5.89E-08	1.21E-06	1.86E-05
360.293	4247.104	9.33E-07	4.19E-06	1.29E-06	3.83E-08	8.73E-07	7.33E-06
360.296	4246.694	6.52E-07	1.88E-06	5.31E-07	2.49E-08	5.69E-07	3.66E-06
360.295	4246.592	6.04E-07	1.62E-06	4.53E-07	2.27E-08	5.19E-07	3.22E-06
360.298	4246.497	5.56E-07	1.35E-06	3.74E-07	2.09E-08	4.70E-07	2.77E-06
360.3	4246.446	5.39E-07	1.26E-06	3.49E-07	2.01E-08	4.52E-07	2.62E-06

TASK 1
CUMULATIVE CHILD CANCER RISK PER LOCATION

RECEPTOR		CHILD CANCER RISK					CUMULATIVE CHILD CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
359.832	4249.938	1.00E-06	1.39E-06	9.64E-07	1.28E-07	7.68E-07	4.25E-06
359.84	4249.884	1.05E-06	1.47E-06	1.04E-06	1.40E-07	8.06E-07	4.51E-06
359.86	4249.794	1.15E-06	1.65E-06	1.20E-06	1.64E-07	8.93E-07	5.05E-06
359.875	4249.736	1.22E-06	1.77E-06	1.32E-06	1.83E-07	9.55E-07	5.45E-06
359.806	4249.729	1.15E-06	1.68E-06	1.24E-06	1.66E-07	8.95E-07	5.13E-06
359.818	4249.667	1.22E-06	1.82E-06	1.37E-06	1.85E-07	9.59E-07	5.55E-06
359.827	4249.617	1.27E-06	1.94E-06	1.49E-06	2.02E-07	1.00E-06	5.91E-06
359.836	4249.56	1.33E-06	2.08E-06	1.64E-06	2.24E-07	1.05E-06	6.33E-06
359.849	4249.506	1.39E-06	2.24E-06	1.79E-06	2.48E-07	1.10E-06	6.78E-06
359.888	4249.439	1.54E-06	2.51E-06	2.09E-06	2.94E-07	1.23E-06	7.67E-06
359.939	4249.397	1.73E-06	2.79E-06	2.44E-06	3.47E-07	1.39E-06	8.71E-06
359.984	4249.373	1.88E-06	3.01E-06	2.73E-06	3.96E-07	1.52E-06	9.54E-06
360.032	4249.325	2.13E-06	3.40E-06	3.22E-06	4.76E-07	1.72E-06	1.10E-05
360.068	4249.275	2.30E-06	3.79E-06	3.70E-06	5.60E-07	1.87E-06	1.22E-05
360.088	4249.225	2.46E-06	4.17E-06	4.17E-06	6.42E-07	2.02E-06	1.35E-05
360.06	4249.18	2.47E-06	4.24E-06	4.25E-06	6.35E-07	2.06E-06	1.37E-05
360.115	4249.143	2.72E-06	4.59E-06	4.45E-06	7.95E-07	2.29E-06	1.49E-05
360.171	4249.034	3.44E-06	6.32E-06	7.15E-06	1.17E-06	3.00E-06	2.11E-05
360.171	4249.149	2.86E-06	5.21E-06	5.60E-06	9.58E-07	2.38E-06	1.70E-05
360.198	4249.204	2.74E-06	5.00E-06	5.34E-06	9.24E-07	2.23E-06	1.62E-05
360.2	4249.26	2.59E-06	4.60E-06	4.81E-06	8.17E-07	2.07E-06	1.49E-05
360.199	4249.312	2.45E-06	4.25E-06	4.32E-06	7.27E-07	1.94E-06	1.37E-05
360.195	4249.375	2.26E-06	3.83E-06	3.74E-06	6.35E-07	1.77E-06	1.22E-05
360.191	4249.427	2.11E-06	3.52E-06	3.32E-06	5.69E-07	1.64E-06	1.12E-05
360.189	4249.503	1.94E-06	3.18E-06	2.86E-06	4.88E-07	1.49E-06	9.97E-06
360.186	4249.569	1.82E-06	2.92E-06	2.56E-06	4.26E-07	1.39E-06	9.11E-06
360.178	4249.644	1.72E-06	2.66E-06	2.26E-06	3.63E-07	1.31E-06	8.32E-06
360.178	4249.719	1.61E-06	2.46E-06	2.03E-06	3.14E-07	1.22E-06	7.63E-06
360.186	4249.823	1.47E-06	2.21E-06	1.77E-06	2.60E-07	1.10E-06	6.81E-06
360.188	4249.929	1.32E-06	1.97E-06	1.51E-06	2.13E-07	9.78E-07	5.99E-06
360.18	4250.032	1.24E-06	1.76E-06	1.30E-06	1.76E-07	9.12E-07	5.38E-06
360.091	4250.02	1.19E-06	1.62E-06	1.16E-06	1.59E-07	8.78E-07	5.00E-06
360.003	4250.007	1.12E-06	1.50E-06	1.05E-06	1.46E-07	8.34E-07	4.65E-06
359.914	4249.995	1.05E-06	1.41E-06	9.70E-07	1.32E-07	7.92E-07	4.35E-06
360.269	4249.127	3.02E-06	6.11E-06	6.69E-06	1.49E-06	2.47E-06	1.98E-05
360.334	4249.128	3.03E-06	6.56E-06	7.23E-06	1.98E-06	2.44E-06	2.12E-05
360.403	4249.137	2.96E-06	7.03E-06	8.16E-06	2.59E-06	2.34E-06	2.31E-05
360.498	4249.157	2.80E-06	7.83E-06	1.07E-05	3.25E-06	2.17E-06	2.68E-05
360.592	4249.185	2.61E-06	7.49E-06	1.02E-05	2.81E-06	2.00E-06	2.52E-05
360.678	4249.21	2.33E-06	6.14E-06	7.05E-06	1.99E-06	1.77E-06	1.93E-05
360.632	4249.294	2.31E-06	5.17E-06	5.52E-06	1.49E-06	1.76E-06	1.62E-05
360.585	4249.378	2.25E-06	4.45E-06	4.45E-06	1.08E-06	1.71E-06	1.39E-05
360.538	4249.462	2.15E-06	3.83E-06	3.50E-06	7.62E-07	1.63E-06	1.19E-05
360.491	4249.545	2.05E-06	3.43E-06	2.97E-06	6.18E-07	1.55E-06	1.06E-05
360.444	4249.629	1.91E-06	2.99E-06	2.39E-06	4.32E-07	1.45E-06	9.16E-06
360.397	4249.713	1.77E-06	2.71E-06	2.09E-06	3.87E-07	1.34E-06	8.30E-06
360.35	4249.797	1.61E-06	2.42E-06	1.78E-06	3.16E-07	1.22E-06	7.34E-06
360.277	4249.8	1.55E-06	2.42E-06	1.95E-06	3.11E-07	1.16E-06	7.39E-06
360.233	4249.168	2.89E-06	5.58E-06	6.16E-06	1.14E-06	2.35E-06	1.81E-05
360.049	4248.941	3.40E-06	5.66E-06	5.81E-06	7.01E-07	3.09E-06	1.87E-05
359.958	4248.92	2.55E-06	4.81E-06	4.36E-06	5.01E-07	2.25E-06	1.45E-05
359.868	4248.894	2.31E-06	4.36E-06	3.61E-06	3.76E-07	2.03E-06	1.27E-05
359.743	4248.646	2.03E-06	3.98E-06	2.62E-06	2.28E-07	2.12E-06	1.10E-05
359.749	4248.592	1.99E-06	4.04E-06	2.61E-06	2.20E-07	2.09E-06	1.09E-05
359.754	4248.513	1.76E-06	4.11E-06	2.56E-06	2.03E-07	1.79E-06	1.04E-05
359.751	4248.443	1.70E-06	4.19E-06	2.46E-06	1.83E-07	1.73E-06	1.03E-05
359.839	4248.354	2.25E-06	5.26E-06	2.84E-06	1.90E-07	2.42E-06	1.30E-05
359.934	4248.308	3.57E-06	6.73E-06	3.42E-06	2.11E-07	4.12E-06	1.81E-05
360.03	4248.262	6.75E-06	8.79E-06	3.88E-06	2.29E-07	8.67E-06	2.83E-05
360.23	4248.121	2.02E-05	2.28E-05	4.54E-06	1.99E-07	2.68E-05	7.45E-05
360.196	4248.694	6.65E-06	1.07E-05	1.11E-05	1.18E-06	7.28E-06	3.70E-05
360.188	4248.787	5.05E-06	9.32E-06	1.05E-05	1.31E-06	5.18E-06	3.13E-05
360.186	4248.85	4.43E-06	8.52E-06	9.98E-06	1.36E-06	4.35E-06	2.86E-05
360.187	4248.927	4.03E-06	7.67E-06	9.11E-06	1.37E-06	3.74E-06	2.59E-05
360.728	4248.992	2.33E-06	1.10E-05	1.54E-05	4.26E-06	1.78E-06	3.48E-05
360.4	4248.912	3.65E-06	1.37E-05	2.27E-05	5.33E-06	3.19E-06	4.86E-05
360.341	4248.904	3.87E-06	1.21E-05	1.78E-05	3.71E-06	3.47E-06	4.10E-05
360.253	4248.902	4.05E-06	9.38E-06	1.22E-05	2.07E-06	3.76E-06	3.14E-05
360.239	4248.398	2.52E-05	1.54E-05	9.38E-06	5.21E-07	3.37E-05	8.41E-05
360.289	4248.002	6.72E-06	4.47E-05	3.90E-06	1.49E-07	8.34E-06	6.38E-05
360.302	4247.704	1.62E-06	4.32E-04	2.50E-06	7.26E-08	1.67E-06	4.38E-04
360.305	4247.6	1.32E-06	2.91E-05	1.88E-06	5.88E-08	1.31E-06	3.37E-05
360.302	4247.5	1.09E-06	1.65E-05	1.36E-06	4.87E-08	1.05E-06	2.01E-05
360.301	4247.402	8.86E-07	1.01E-05	1.14E-06	4.13E-08	8.48E-07	1.30E-05
360.293	4247.104	6.54E-07	2.94E-06	9.04E-07	2.68E-08	6.11E-07	5.13E-06
360.296	4246.694	4.57E-07	1.32E-06	3.72E-07	1.74E-08	3.99E-07	2.56E-06
360.295	4246.592	4.23E-07	1.13E-06	3.17E-07	1.59E-08	3.64E-07	2.25E-06
360.298	4246.497	3.90E-07	9.44E-07	2.62E-07	1.46E-08	3.29E-07	1.94E-06
360.3	4246.446	3.77E-07	8.82E-07	2.44E-07	1.41E-08	3.17E-07	1.83E-06

C-4
CANCER RISKS: TASK 3 DATA

TASK 3
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR (x,y) km		LIFETIME CANCER RISK ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	CUMULATIVE LIFETIME CANCER RISK	SPECIAL RECEPTOR NUMBER	SORT KEY STANDARD
359.832	4249.938	2.28E-06	2.64E-06	3.99E-06	3.01E-07	1.75E-06	1.10E-05		1
359.84	4249.884	2.39E-06	2.81E-06	4.33E-06	3.30E-07	1.85E-06	1.17E-05		2
359.86	4249.794	2.63E-06	3.15E-06	5.02E-06	3.88E-07	2.05E-06	1.32E-05		3
359.875	4249.736	2.80E-06	3.40E-06	5.54E-06	4.33E-07	2.20E-06	1.44E-05		4
359.806	4249.729	2.64E-06	3.20E-06	5.20E-06	3.92E-07	2.07E-06	1.35E-05		5
359.818	4249.667	2.81E-06	3.47E-06	5.77E-06	4.37E-07	2.22E-06	1.47E-05		6
359.827	4249.617	2.93E-06	3.71E-06	6.30E-06	4.78E-07	2.33E-06	1.57E-05		7
359.836	4249.56	3.07E-06	3.99E-06	6.91E-06	5.29E-07	2.44E-06	1.69E-05		8
359.849	4249.506	3.22E-06	4.31E-06	7.58E-06	5.87E-07	2.56E-06	1.83E-05		9
359.888	4249.439	3.57E-06	4.87E-06	8.85E-06	6.96E-07	2.86E-06	2.09E-05		10
359.939	4249.397	4.01E-06	5.47E-06	1.04E-05	8.23E-07	3.23E-06	2.39E-05		11
359.984	4249.373	4.35E-06	5.95E-06	1.16E-05	9.39E-07	3.51E-06	2.64E-05		12
360.032	4249.325	4.90E-06	6.77E-06	1.37E-05	1.13E-06	3.99E-06	3.05E-05		13
360.068	4249.275	5.30E-06	7.58E-06	1.58E-05	1.33E-06	4.33E-06	3.43E-05		14
360.088	4249.225	5.67E-06	8.36E-06	1.78E-05	1.52E-06	4.68E-06	3.80E-05		15
360.06	4249.18	5.71E-06	8.50E-06	1.82E-05	1.50E-06	4.79E-06	3.87E-05		16
360.115	4249.143	6.26E-06	9.27E-06	1.91E-05	1.88E-06	5.31E-06	4.18E-05		17
360.171	4249.034	7.92E-06	1.29E-05	3.07E-05	2.78E-06	6.93E-06	6.12E-05		18
360.171	4249.149	6.55E-06	1.06E-05	2.40E-05	2.27E-06	5.48E-06	4.89E-05		19
360.198	4249.204	6.25E-06	1.02E-05	2.28E-05	2.19E-06	5.10E-06	4.65E-05		20
360.2	4249.26	5.90E-06	9.33E-06	2.06E-05	1.94E-06	4.74E-06	4.25E-05		21
360.199	4249.312	5.57E-06	8.58E-06	1.84E-05	1.72E-06	4.43E-06	3.87E-05		22
360.195	4249.375	5.14E-06	7.71E-06	1.59E-05	1.50E-06	4.04E-06	3.43E-05		23
360.191	4249.427	4.79E-06	7.08E-06	1.41E-05	1.35E-06	3.74E-06	3.11E-05		24
360.189	4249.503	4.42E-06	6.35E-06	1.21E-05	1.15E-06	3.40E-06	2.75E-05		25
360.186	4249.569	4.15E-06	5.80E-06	1.08E-05	1.00E-06	3.18E-06	2.49E-05		26
360.178	4249.644	3.92E-06	5.27E-06	9.52E-06	8.54E-07	2.99E-06	2.26E-05		27
360.178	4249.719	3.66E-06	4.84E-06	8.50E-06	7.38E-07	2.78E-06	2.05E-05		28
360.186	4249.823	3.33E-06	4.34E-06	7.44E-06	6.09E-07	2.50E-06	1.82E-05		29
360.188	4249.929	2.99E-06	3.84E-06	6.36E-06	4.98E-07	2.22E-06	1.59E-05		30
360.18	4250.032	2.80E-06	3.41E-06	5.46E-06	4.10E-07	2.07E-06	1.41E-05		31
360.091	4250.02	2.72E-06	3.13E-06	4.81E-06	3.71E-07	2.00E-06	1.30E-05		32
360.003	4250.007	2.56E-06	2.90E-06	4.35E-06	3.41E-07	1.91E-06	1.21E-05		33
359.914	4249.995	2.39E-06	2.70E-06	4.00E-06	3.10E-07	1.81E-06	1.12E-05		34
360.269	4249.127	6.90E-06	1.25E-05	2.87E-05	3.53E-06	5.66E-06	5.73E-05		35
360.334	4249.128	6.93E-06	1.35E-05	3.09E-05	4.69E-06	5.59E-06	6.16E-05		36
360.403	4249.137	6.79E-06	1.44E-05	3.49E-05	6.12E-06	5.38E-06	6.76E-05		37
360.498	4249.157	6.41E-06	1.62E-05	4.61E-05	7.67E-06	4.99E-06	8.13E-05		38
360.592	4249.185	5.98E-06	1.55E-05	4.41E-05	6.64E-06	4.60E-06	7.68E-05		39
360.678	4249.21	5.33E-06	1.25E-05	3.04E-05	4.68E-06	4.06E-06	5.70E-05		40
360.632	4249.294	5.28E-06	1.05E-05	2.37E-05	3.52E-06	4.03E-06	4.70E-05		41
360.585	4249.378	5.13E-06	8.96E-06	1.91E-05	2.56E-06	3.91E-06	3.96E-05		42
360.538	4249.462	4.87E-06	7.65E-06	1.49E-05	1.80E-06	3.71E-06	3.29E-05		43
360.491	4249.545	4.62E-06	6.84E-06	1.26E-05	1.45E-06	3.53E-06	2.90E-05		44
360.444	4249.629	4.30E-06	5.91E-06	1.02E-05	1.02E-06	3.29E-06	2.47E-05		45
360.397	4249.713	4.00E-06	5.37E-06	8.97E-06	9.09E-07	3.06E-06	2.23E-05		46
360.35	4249.797	3.64E-06	4.77E-06	7.67E-06	7.43E-07	2.77E-06	1.96E-05		47
360.277	4249.8	3.51E-06	4.77E-06	8.31E-06	7.31E-07	2.65E-06	2.00E-05		48
360.233	4249.168	6.59E-06	1.14E-05	2.64E-05	2.70E-06	5.39E-06	5.25E-05		49
360.049	4248.941	7.92E-06	1.14E-05	2.50E-05	1.68E-06	7.22E-06	5.32E-05		50
359.958	4248.92	5.92E-06	9.60E-06	1.88E-05	1.20E-06	5.24E-06	4.07E-05		51
359.868	4248.894	5.37E-06	8.67E-06	1.56E-05	9.02E-07	4.72E-06	3.52E-05		52
359.743	4248.646	4.71E-06	7.92E-06	1.13E-05	5.49E-07	4.92E-06	2.94E-05		53
359.749	4248.592	4.64E-06	8.02E-06	1.12E-05	5.28E-07	4.86E-06	2.93E-05		54
359.754	4248.513	4.14E-06	8.16E-06	1.10E-05	4.88E-07	4.26E-06	2.80E-05		55
359.751	4248.443	4.04E-06	8.37E-06	1.05E-05	4.39E-07	4.14E-06	2.75E-05		56
359.839	4248.354	5.37E-06	1.05E-05	1.22E-05	4.56E-07	5.82E-06	3.44E-05		57
359.934	4248.308	8.58E-06	1.33E-05	1.46E-05	5.07E-07	9.94E-06	4.70E-05		58
360.03	4248.262	1.61E-05	1.73E-05	1.64E-05	5.49E-07	2.07E-05	7.10E-05		59
360.23	4248.121	4.74E-05	4.49E-05	1.83E-05	4.74E-07	6.31E-05	1.74E-04		60
360.196	4248.694	1.55E-05	2.22E-05	4.81E-05	2.81E-06	1.69E-05	1.06E-04		61
360.188	4248.787	1.17E-05	1.92E-05	4.54E-05	3.13E-06	1.21E-05	9.15E-05		62
360.186	4248.85	1.03E-05	1.75E-05	4.31E-05	3.25E-06	1.01E-05	8.42E-05		63
360.187	4248.927	9.31E-06	1.57E-05	3.92E-05	3.27E-06	8.66E-06	7.61E-05		64
360.728	4248.992	5.28E-06	2.31E-05	6.64E-05	1.00E-05	4.06E-06	1.09E-04		65
360.4	4248.912	8.48E-06	2.89E-05	9.79E-05	1.26E-05	7.41E-06	1.55E-04		66
360.341	4248.904	8.96E-06	2.54E-05	7.69E-05	8.82E-06	8.04E-06	1.28E-04		67
360.253	4248.902	9.33E-06	1.94E-05	5.24E-05	4.94E-06	8.66E-06	9.48E-05		68
360.239	4248.398	5.92E-05	3.06E-05	4.01E-05	1.24E-06	7.93E-05	2.10E-04		69
360.289	4248.002	1.58E-05	9.15E-05	1.46E-05	3.54E-07	1.95E-05	1.42E-04		70
360.302	4247.704	3.79E-06	1.00E-03	8.27E-06	1.72E-07	3.86E-06	1.02E-03		71
360.305	4247.6	3.08E-06	6.03E-05	6.54E-06	1.38E-07	3.02E-06	7.31E-05		72
360.302	4247.5	2.54E-06	3.45E-05	5.04E-06	1.14E-07	2.43E-06	4.46E-05		73
360.301	4247.402	2.08E-06	2.11E-05	4.41E-06	9.68E-08	1.98E-06	2.97E-05		74
360.293	4247.104	1.54E-06	5.68E-06	3.70E-06	6.32E-08	1.43E-06	1.24E-05		75
360.296	4246.694	1.08E-06	2.45E-06	1.51E-06	4.13E-08	9.41E-07	6.02E-06		76
360.295	4246.592	1.00E-06	2.11E-06	1.30E-06	3.79E-08	8.60E-07	5.31E-06		77
360.298	4246.497	9.27E-07	1.80E-06	1.08E-06	3.49E-08	7.82E-07	4.62E-06		78
360.3	4246.446	8.99E-07	1.68E-06	1.01E-06	3.36E-08	7.52E-07	4.37E-06		79
360.299	4246.33	8.51E-07	1.49E-06	9.03E-07	3.07E-08	7.04E-07	3.98E-06		80
360.328	4246.639	9.95E-07	2.22E-06	1.32E-06	3.97E-08	8.28E-07	5.40E-06		81
360.337	4246.747	1.04E-06	2.46E-06	1.43E-06	4.32E-08	8.71E-07	5.85E-06		82
360.383	4246.773	1.03E-06	2.55E-06	1.37E-06	3.82E-08	8.34E-07	5.83E-06		83
360.404	4246.9	1.16E-06	3.37E-06	1.71E-06	4.33E-08	9.35E-07	7.21E-06		84
360.413	4246.998	1.28E-06	4.23E-06	1.94E-06	4.76E-08	1.04E-06	8.54E-06		85
360.428	4247.101	1.44E-06	5.82E-06	2.13E-06	5.33E-08	1.17E-06	1.06E-05		86
360.395	4247.146	1.41E-06	6.52E-06	2.36E-06	6.14E-08	1.19E-06	1.15E-05		87
360.41	4247.229	1.50E-06	9.30E-06	2.46E-06	6.74E-08	1.28E-06	1.46E-05		88
360.426	4247.312	1.68E-06	1.20E-05	2.55E-06	6.80E-08	1.44E-06	1.78E-05		89
360.461	4247.39	2.17E-06	1.96E-05	2.92E-06	7.78E-08	1.87E-06	2.67E-05		90
360.513	4247.475	2.75E-06	3.29E-05	3.53E-06	8.98E-08	2.44E-06	4.17E-05		91

TASK 3
CUMULATIVE ADULT CANCER RISK PER LOCATION

RECEPTOR		ADULT CANCER RISK					CUMULATIVE ADULT CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
359.832	4249.938	1.34E-06	1.55E-06	2.35E-06	1.77E-07	1.03E-06	6.45E-06
359.84	4249.884	1.40E-06	1.65E-06	2.54E-06	1.94E-07	1.09E-06	6.88E-06
359.86	4249.794	1.55E-06	1.85E-06	2.95E-06	2.28E-07	1.21E-06	7.78E-06
359.875	4249.736	1.65E-06	2.00E-06	3.26E-06	2.54E-07	1.30E-06	8.46E-06
359.806	4249.729	1.55E-06	1.88E-06	3.06E-06	2.31E-07	1.22E-06	7.94E-06
359.818	4249.667	1.65E-06	2.04E-06	3.39E-06	2.57E-07	1.31E-06	8.65E-06
359.827	4249.617	1.73E-06	2.18E-06	3.70E-06	2.81E-07	1.37E-06	9.26E-06
359.836	4249.56	1.80E-06	2.35E-06	4.07E-06	3.11E-07	1.43E-06	9.96E-06
359.849	4249.506	1.89E-06	2.53E-06	4.45E-06	3.45E-07	1.51E-06	1.07E-05
359.888	4249.439	2.10E-06	2.87E-06	5.21E-06	4.09E-07	1.68E-06	1.23E-05
359.939	4249.397	2.36E-06	3.21E-06	6.10E-06	4.84E-07	1.90E-06	1.40E-05
359.984	4249.373	2.56E-06	3.50E-06	6.83E-06	5.52E-07	2.07E-06	1.55E-05
360.032	4249.325	2.88E-06	3.98E-06	8.08E-06	6.64E-07	2.34E-06	1.80E-05
360.068	4249.275	3.11E-06	4.46E-06	9.29E-06	7.81E-07	2.55E-06	2.02E-05
360.088	4249.225	3.33E-06	4.92E-06	1.05E-05	8.94E-07	2.75E-06	2.24E-05
360.06	4249.18	3.36E-06	5.00E-06	1.07E-05	8.84E-07	2.81E-06	2.27E-05
360.115	4249.143	3.68E-06	5.45E-06	1.12E-05	1.11E-06	3.12E-06	2.46E-05
360.171	4249.034	4.66E-06	7.56E-06	1.81E-05	1.64E-06	4.07E-06	3.60E-05
360.171	4249.149	3.85E-06	6.22E-06	1.41E-05	1.33E-06	3.22E-06	2.87E-05
360.198	4249.204	3.68E-06	5.97E-06	1.34E-05	1.29E-06	3.00E-06	2.74E-05
360.2	4249.26	3.47E-06	5.48E-06	1.21E-05	1.14E-06	2.79E-06	2.50E-05
360.199	4249.312	3.27E-06	5.04E-06	1.08E-05	1.01E-06	2.61E-06	2.28E-05
360.195	4249.375	3.02E-06	4.53E-06	9.37E-06	8.84E-07	2.38E-06	2.02E-05
360.191	4249.427	2.82E-06	4.16E-06	8.31E-06	7.93E-07	2.20E-06	1.83E-05
360.189	4249.503	2.60E-06	3.74E-06	7.14E-06	6.78E-07	2.00E-06	1.61E-05
360.186	4249.569	2.44E-06	3.41E-06	6.35E-06	5.91E-07	1.87E-06	1.47E-05
360.178	4249.644	2.30E-06	3.10E-06	5.60E-06	5.02E-07	1.76E-06	1.33E-05
360.178	4249.719	2.15E-06	2.85E-06	5.00E-06	4.34E-07	1.63E-06	1.21E-05
360.186	4249.823	1.96E-06	2.55E-06	4.37E-06	3.58E-07	1.47E-06	1.07E-05
360.188	4249.929	1.76E-06	2.26E-06	3.74E-06	2.93E-07	1.31E-06	9.35E-06
360.18	4250.032	1.65E-06	2.00E-06	3.21E-06	2.41E-07	1.22E-06	8.32E-06
360.091	4250.02	1.60E-06	1.84E-06	2.83E-06	2.18E-07	1.18E-06	7.67E-06
360.003	4250.007	1.50E-06	1.70E-06	2.56E-06	2.01E-07	1.12E-06	7.09E-06
359.914	4249.995	1.41E-06	1.59E-06	2.35E-06	1.82E-07	1.06E-06	6.60E-06
360.269	4249.127	4.06E-06	7.35E-06	1.69E-05	2.07E-06	3.33E-06	3.37E-05
360.334	4249.128	4.08E-06	7.91E-06	1.82E-05	2.76E-06	3.29E-06	3.62E-05
360.403	4249.137	3.99E-06	8.49E-06	2.05E-05	3.60E-06	3.16E-06	3.97E-05
360.498	4249.157	3.77E-06	9.52E-06	2.71E-05	4.51E-06	2.93E-06	4.78E-05
360.592	4249.185	3.52E-06	9.09E-06	2.59E-05	3.91E-06	2.71E-06	4.52E-05
360.678	4249.21	3.13E-06	7.38E-06	1.79E-05	2.75E-06	2.39E-06	3.35E-05
360.632	4249.294	3.10E-06	6.17E-06	1.39E-05	2.07E-06	2.37E-06	2.76E-05
360.585	4249.378	3.02E-06	5.27E-06	1.12E-05	1.50E-06	2.30E-06	2.33E-05
360.538	4249.462	2.86E-06	4.50E-06	8.77E-06	1.06E-06	2.18E-06	1.94E-05
360.491	4249.545	2.72E-06	4.02E-06	7.41E-06	8.55E-07	2.08E-06	1.71E-05
360.444	4249.629	2.53E-06	3.48E-06	5.98E-06	5.97E-07	1.94E-06	1.45E-05
360.397	4249.713	2.35E-06	3.16E-06	5.28E-06	5.35E-07	1.80E-06	1.31E-05
360.35	4249.797	2.14E-06	2.80E-06	4.51E-06	4.37E-07	1.63E-06	1.15E-05
360.277	4249.8	2.07E-06	2.81E-06	4.89E-06	4.30E-07	1.56E-06	1.17E-05
360.233	4249.168	3.88E-06	6.69E-06	1.55E-05	1.59E-06	3.17E-06	3.08E-05
360.049	4248.941	4.66E-06	6.70E-06	1.47E-05	9.86E-07	4.25E-06	3.13E-05
359.958	4248.92	3.48E-06	5.64E-06	1.10E-05	7.07E-07	3.08E-06	2.40E-05
359.868	4248.894	3.16E-06	5.10E-06	9.15E-06	5.30E-07	2.77E-06	2.07E-05
359.743	4248.646	2.77E-06	4.66E-06	6.62E-06	3.23E-07	2.89E-06	1.73E-05
359.749	4248.592	2.73E-06	4.72E-06	6.60E-06	3.10E-07	2.86E-06	1.72E-05
359.754	4248.513	2.44E-06	4.80E-06	6.47E-06	2.87E-07	2.51E-06	1.65E-05
359.751	4248.443	2.37E-06	4.92E-06	6.20E-06	2.58E-07	2.43E-06	1.62E-05
359.839	4248.354	3.16E-06	6.19E-06	7.17E-06	2.68E-07	3.42E-06	2.02E-05
359.934	4248.308	5.05E-06	7.84E-06	8.59E-06	2.98E-07	5.84E-06	2.76E-05
360.03	4248.262	9.46E-06	1.01E-05	9.65E-06	3.23E-07	1.22E-05	4.18E-05
360.23	4248.121	2.79E-05	2.64E-05	1.08E-05	2.79E-07	3.71E-05	1.02E-04
360.196	4248.694	9.09E-06	1.31E-05	2.83E-05	1.65E-06	9.95E-06	6.21E-05
360.188	4248.787	6.89E-06	1.13E-05	2.67E-05	1.84E-06	7.09E-06	5.38E-05
360.186	4248.85	6.03E-06	1.03E-05	2.53E-05	1.91E-06	5.94E-06	4.95E-05
360.187	4248.927	5.47E-06	9.24E-06	2.30E-05	1.92E-06	5.09E-06	4.48E-05
360.728	4248.992	3.11E-06	1.36E-05	3.91E-05	5.88E-06	2.38E-06	6.40E-05
360.4	4248.912	4.99E-06	1.70E-05	5.76E-05	7.43E-06	4.36E-06	9.14E-05
360.341	4248.904	5.27E-06	1.50E-05	4.52E-05	5.19E-06	4.73E-06	7.53E-05
360.253	4248.902	5.49E-06	1.14E-05	3.08E-05	2.91E-06	5.09E-06	5.57E-05
360.239	4248.398	3.48E-05	1.80E-05	2.36E-05	7.31E-07	4.66E-05	1.24E-04
360.289	4248.002	9.26E-06	5.38E-05	8.56E-06	2.08E-07	1.15E-05	8.33E-05
360.302	4247.704	2.23E-06	5.90E-04	4.86E-06	1.01E-07	2.27E-06	6.00E-04
360.305	4247.6	1.81E-06	3.55E-05	3.84E-06	8.14E-08	1.78E-06	4.30E-05
360.302	4247.5	1.49E-06	2.03E-05	2.97E-06	6.73E-08	1.43E-06	2.62E-05
360.301	4247.402	1.22E-06	1.24E-05	2.59E-06	5.69E-08	1.16E-06	1.75E-05
360.293	4247.104	9.03E-07	3.34E-06	2.17E-06	3.72E-08	8.41E-07	7.29E-06
360.296	4246.694	6.36E-07	1.44E-06	8.90E-07	2.43E-08	5.53E-07	3.54E-06
360.295	4246.592	5.90E-07	1.24E-06	7.62E-07	2.23E-08	5.06E-07	3.12E-06
360.298	4246.497	5.45E-07	1.06E-06	6.35E-07	2.06E-08	4.60E-07	2.72E-06
360.3	4246.446	5.28E-07	9.87E-07	5.93E-07	1.98E-08	4.42E-07	2.57E-06

TASK 3
CUMULATIVE CHILD CANCER RISK PER LOCATION

RECEPTOR		CHILD CANCER RISK					CUMULATIVE CHILD CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
359.832	4249.938	9.39E-07	1.09E-06	1.64E-06	1.24E-07	7.21E-07	4.51E-06
359.84	4249.884	9.83E-07	1.16E-06	1.78E-06	1.36E-07	7.60E-07	4.82E-06
359.86	4249.794	1.08E-06	1.30E-06	2.07E-06	1.60E-07	8.46E-07	5.45E-06
359.875	4249.736	1.15E-06	1.40E-06	2.28E-06	1.78E-07	9.07E-07	5.92E-06
359.806	4249.729	1.09E-06	1.32E-06	2.14E-06	1.61E-07	8.53E-07	5.56E-06
359.818	4249.667	1.16E-06	1.43E-06	2.37E-06	1.80E-07	9.15E-07	6.06E-06
359.827	4249.617	1.21E-06	1.53E-06	2.59E-06	1.97E-07	9.58E-07	6.48E-06
359.836	4249.56	1.26E-06	1.64E-06	2.85E-06	2.18E-07	1.00E-06	6.98E-06
359.849	4249.506	1.33E-06	1.77E-06	3.12E-06	2.42E-07	1.06E-06	7.52E-06
359.888	4249.439	1.47E-06	2.01E-06	3.65E-06	2.87E-07	1.18E-06	8.59E-06
359.939	4249.397	1.65E-06	2.25E-06	4.27E-06	3.39E-07	1.33E-06	9.84E-06
359.984	4249.373	1.79E-06	2.45E-06	4.78E-06	3.87E-07	1.45E-06	1.09E-05
360.032	4249.325	2.02E-06	2.79E-06	5.66E-06	4.65E-07	1.64E-06	1.26E-05
360.068	4249.275	2.18E-06	3.12E-06	6.51E-06	5.47E-07	1.78E-06	1.41E-05
360.088	4249.225	2.33E-06	3.44E-06	7.33E-06	6.26E-07	1.93E-06	1.57E-05
360.06	4249.18	2.35E-06	3.50E-06	7.48E-06	6.19E-07	1.97E-06	1.59E-05
360.115	4249.143	2.58E-06	3.82E-06	7.85E-06	7.75E-07	2.19E-06	1.72E-05
360.171	4249.034	3.26E-06	5.29E-06	1.26E-05	1.15E-06	2.85E-06	2.52E-05
360.171	4249.149	2.70E-06	4.36E-06	9.88E-06	9.33E-07	2.26E-06	2.01E-05
360.198	4249.204	2.57E-06	4.18E-06	9.41E-06	9.01E-07	2.10E-06	1.92E-05
360.2	4249.26	2.43E-06	3.84E-06	8.47E-06	7.97E-07	1.95E-06	1.75E-05
360.199	4249.312	2.29E-06	3.53E-06	7.58E-06	7.09E-07	1.83E-06	1.59E-05
360.195	4249.375	2.11E-06	3.18E-06	6.56E-06	6.19E-07	1.67E-06	1.41E-05
360.191	4249.427	1.97E-06	2.91E-06	5.82E-06	5.55E-07	1.54E-06	1.28E-05
360.189	4249.503	1.82E-06	2.62E-06	5.00E-06	4.75E-07	1.40E-06	1.13E-05
360.186	4249.569	1.71E-06	2.39E-06	4.45E-06	4.14E-07	1.31E-06	1.03E-05
360.178	4249.644	1.61E-06	2.17E-06	3.92E-06	3.52E-07	1.23E-06	9.29E-06
360.178	4249.719	1.51E-06	1.99E-06	3.50E-06	3.04E-07	1.14E-06	8.45E-06
360.186	4249.823	1.37E-06	1.79E-06	3.06E-06	2.51E-07	1.03E-06	7.50E-06
360.188	4249.929	1.23E-06	1.58E-06	2.62E-06	2.05E-07	9.15E-07	6.55E-06
360.18	4250.032	1.15E-06	1.40E-06	2.25E-06	1.69E-07	8.52E-07	5.83E-06
360.091	4250.02	1.12E-06	1.29E-06	1.98E-06	1.53E-07	8.25E-07	5.37E-06
360.003	4250.007	1.05E-06	1.19E-06	1.79E-06	1.40E-07	7.88E-07	4.97E-06
359.914	4249.995	9.84E-07	1.11E-06	1.65E-06	1.28E-07	7.45E-07	4.62E-06
360.269	4249.127	2.84E-06	5.15E-06	1.18E-05	1.45E-06	2.33E-06	2.36E-05
360.334	4249.128	2.85E-06	5.54E-06	1.27E-05	1.93E-06	2.30E-06	2.53E-05
360.403	4249.137	2.79E-06	5.94E-06	1.44E-05	2.52E-06	2.21E-06	2.78E-05
360.498	4249.157	2.64E-06	6.67E-06	1.90E-05	3.16E-06	2.06E-06	3.35E-05
360.592	4249.185	2.46E-06	6.37E-06	1.82E-05	2.73E-06	1.89E-06	3.16E-05
360.678	4249.21	2.19E-06	5.17E-06	1.25E-05	1.93E-06	1.67E-06	2.35E-05
360.632	4249.294	2.17E-06	4.32E-06	9.75E-06	1.45E-06	1.66E-06	1.94E-05
360.585	4249.378	2.11E-06	3.69E-06	7.85E-06	1.05E-06	1.61E-06	1.63E-05
360.538	4249.462	2.01E-06	3.15E-06	6.14E-06	7.40E-07	1.53E-06	1.36E-05
360.491	4249.545	1.90E-06	2.81E-06	5.19E-06	5.99E-07	1.45E-06	1.20E-05
360.444	4249.629	1.77E-06	2.43E-06	4.19E-06	4.18E-07	1.36E-06	1.02E-05
360.397	4249.713	1.65E-06	2.21E-06	3.70E-06	3.74E-07	1.26E-06	9.18E-06
360.35	4249.797	1.50E-06	1.96E-06	3.16E-06	3.06E-07	1.14E-06	8.07E-06
360.277	4249.8	1.45E-06	1.96E-06	3.42E-06	3.01E-07	1.09E-06	8.22E-06
360.233	4249.168	2.71E-06	4.68E-06	1.09E-05	1.11E-06	2.22E-06	2.16E-05
360.049	4248.941	3.26E-06	4.69E-06	1.03E-05	6.91E-07	2.97E-06	2.19E-05
359.958	4248.92	2.44E-06	3.95E-06	7.73E-06	4.95E-07	2.16E-06	1.68E-05
359.868	4248.894	2.21E-06	3.57E-06	6.41E-06	3.71E-07	1.94E-06	1.45E-05
359.743	4248.646	1.94E-06	3.26E-06	4.64E-06	2.26E-07	2.02E-06	1.21E-05
359.749	4248.592	1.91E-06	3.30E-06	4.62E-06	2.17E-07	2.00E-06	1.21E-05
359.754	4248.513	1.71E-06	3.36E-06	4.53E-06	2.01E-07	1.75E-06	1.15E-05
359.751	4248.443	1.66E-06	3.45E-06	4.34E-06	1.81E-07	1.70E-06	1.13E-05
359.839	4248.354	2.21E-06	4.33E-06	5.02E-06	1.88E-07	2.40E-06	1.41E-05
359.934	4248.308	3.53E-06	5.49E-06	6.02E-06	2.09E-07	4.09E-06	1.93E-05
360.03	4248.262	6.63E-06	7.10E-06	6.76E-06	2.26E-07	8.52E-06	2.92E-05
360.23	4248.121	1.95E-05	1.85E-05	7.54E-06	1.95E-07	2.60E-05	7.17E-05
360.196	4248.694	6.37E-06	9.15E-06	1.98E-05	1.16E-06	6.97E-06	4.35E-05
360.188	4248.787	4.82E-06	7.91E-06	1.87E-05	1.29E-06	4.96E-06	3.77E-05
360.186	4248.85	4.22E-06	7.22E-06	1.77E-05	1.34E-06	4.16E-06	3.47E-05
360.187	4248.927	3.83E-06	6.47E-06	1.61E-05	1.35E-06	3.57E-06	3.13E-05
360.728	4248.992	2.17E-06	9.50E-06	2.73E-05	4.12E-06	1.67E-06	4.48E-05
360.4	4248.912	3.49E-06	1.19E-05	4.03E-05	5.20E-06	3.05E-06	6.40E-05
360.341	4248.904	3.69E-06	1.05E-05	3.17E-05	3.63E-06	3.31E-06	5.28E-05
360.253	4248.902	3.84E-06	8.00E-06	2.16E-05	2.03E-06	3.56E-06	3.90E-05
360.239	4248.398	2.44E-05	1.26E-05	1.65E-05	5.12E-07	3.27E-05	8.67E-05
360.289	4248.002	6.49E-06	3.77E-05	6.00E-06	1.46E-07	8.03E-06	5.83E-05
360.302	4247.704	1.56E-06	4.13E-04	3.41E-06	7.06E-08	1.59E-06	4.20E-04
360.305	4247.6	1.27E-06	2.48E-05	2.69E-06	5.70E-08	1.24E-06	3.01E-05
360.302	4247.5	1.05E-06	1.42E-05	2.08E-06	4.71E-08	1.00E-06	1.84E-05
360.301	4247.402	8.55E-07	8.70E-06	1.81E-06	3.99E-08	8.15E-07	1.22E-05
360.293	4247.104	6.32E-07	2.34E-06	1.52E-06	2.60E-08	5.89E-07	5.11E-06
360.296	4246.694	4.46E-07	1.01E-06	6.23E-07	1.70E-08	3.87E-07	2.48E-06
360.295	4246.592	4.13E-07	8.68E-07	5.34E-07	1.56E-08	3.54E-07	2.19E-06
360.298	4246.497	3.82E-07	7.39E-07	4.45E-07	1.44E-08	3.22E-07	1.90E-06
360.3	4246.446	3.70E-07	6.91E-07	4.15E-07	1.38E-08	3.10E-07	1.80E-06

C-5
RISKS GREATER THAN 1E-5,
TASK 1 DATA
LIFETIME, ADULT, CHILD

TASK 1
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.302	4247.704	3.94E-06	1.05E-03	6.07E-06	1.76E-07	4.05E-06	1.06E-03
360.623	4247.86	5.93E-06	3.32E-04	2.79E-05	2.12E-07	5.76E-06	3.72E-04
360.6	4247.8	5.78E-06	3.03E-04	2.19E-05	1.75E-07	5.59E-06	3.37E-04
360.578	4247.772	5.67E-06	2.97E-04	1.94E-05	1.67E-07	5.53E-06	3.27E-04
360.263	4247.743	4.96E-06	2.27E-04	6.01E-06	1.85E-07	5.38E-06	2.43E-04
360.239	4248.398	6.12E-05	3.73E-05	2.28E-05	1.27E-06	8.18E-05	2.04E-04
360.6	4247.7	5.20E-06	1.70E-04	1.09E-05	1.43E-07	4.85E-06	1.91E-04
360.23	4248.121	4.90E-05	5.53E-05	1.10E-05	4.82E-07	6.52E-05	1.81E-04
360.705	4247.78	5.72E-06	1.55E-04	1.36E-05	2.15E-07	5.05E-06	1.80E-04
360.668	4247.947	6.20E-06	1.46E-04	1.46E-05	2.82E-07	6.01E-06	1.73E-04
360.656	4247.671	5.37E-06	1.37E-04	1.01E-05	1.92E-07	4.79E-06	1.58E-04
360.289	4248.002	1.63E-05	1.09E-04	9.48E-06	3.61E-07	2.03E-05	1.55E-04
360.7	4247.9	5.79E-06	1.27E-04	1.26E-05	2.31E-07	5.40E-06	1.51E-04
360.527	4247.67	4.60E-06	1.34E-04	6.06E-06	1.45E-07	4.42E-06	1.50E-04
360.245	4247.842	7.60E-06	1.23E-04	7.01E-06	2.29E-07	8.59E-06	1.47E-04
360.2	4248.1	3.60E-05	4.89E-05	1.02E-05	4.39E-07	4.72E-05	1.43E-04
360.1	4248.2	4.28E-05	2.81E-05	9.95E-06	5.29E-07	5.77E-05	1.39E-04
360.578	4247.646	4.62E-06	1.15E-04	6.43E-06	1.28E-07	4.29E-06	1.30E-04
360.261	4247.658	4.07E-06	1.10E-04	5.44E-06	1.55E-07	4.33E-06	1.24E-04
360.7	4248	5.97E-06	9.50E-05	1.20E-05	3.13E-07	5.62E-06	1.19E-04
360.5	4249	7.84E-06	3.17E-05	5.33E-05	1.89E-05	6.36E-06	1.18E-04
360.4	4248.912	8.87E-06	3.32E-05	5.52E-05	1.29E-05	7.74E-06	1.18E-04
360.6	4249	6.72E-06	3.29E-05	5.30E-05	1.97E-05	5.34E-06	1.18E-04
360.226	4247.933	1.05E-05	7.99E-05	7.78E-06	2.81E-07	1.23E-05	1.11E-04
360.169	4248.084	2.52E-05	4.26E-05	9.36E-06	4.06E-07	3.22E-05	1.10E-04
360.198	4248.033	2.00E-05	5.41E-05	8.88E-06	3.59E-07	2.51E-05	1.08E-04
360.8	4247.8	5.66E-06	8.40E-05	1.03E-05	2.86E-07	4.81E-06	1.05E-04
360.212	4247.985	1.39E-05	6.53E-05	8.30E-06	3.18E-07	1.68E-05	1.05E-04
360.117	4248.126	2.65E-05	3.22E-05	9.28E-06	4.37E-07	3.45E-05	1.03E-04
360.713	4248.035	5.76E-06	7.86E-05	1.17E-05	3.39E-07	5.30E-06	1.02E-04
360.341	4248.904	9.40E-06	2.93E-05	4.33E-05	9.02E-06	8.43E-06	9.95E-05
360.6	4247.6	4.33E-06	8.52E-05	5.05E-06	1.18E-07	3.92E-06	9.86E-05
360.052	4248.165	2.68E-05	2.42E-05	8.71E-06	4.51E-07	3.54E-05	9.56E-05
360.4	4249	8.81E-06	2.61E-05	3.86E-05	1.10E-05	7.27E-06	9.18E-05
360.8	4247.9	5.59E-06	7.02E-05	1.01E-05	3.64E-07	4.91E-06	9.11E-05
360.7	4249	5.83E-06	2.80E-05	4.02E-05	1.18E-05	4.49E-06	9.03E-05
360.196	4248.694	1.62E-05	2.61E-05	2.70E-05	2.86E-06	1.77E-05	8.98E-05
360.728	4248.992	5.65E-06	2.66E-05	3.75E-05	1.03E-05	4.33E-06	8.44E-05
360.5	4249.1	7.42E-06	2.31E-05	3.45E-05	1.12E-05	5.82E-06	8.20E-05
360.305	4247.6	3.21E-06	7.07E-05	4.55E-06	1.43E-07	3.18E-06	8.18E-05
360.6	4249.1	7.06E-06	2.34E-05	3.45E-05	1.13E-05	5.50E-06	8.17E-05
360.607	4247.562	4.13E-06	6.94E-05	4.27E-06	1.27E-07	3.68E-06	8.16E-05
360.546	4247.561	3.70E-06	6.79E-05	3.63E-06	1.09E-07	3.37E-06	7.87E-05
360.253	4248.902	9.84E-06	2.28E-05	2.96E-05	5.03E-06	9.13E-06	7.63E-05
360.188	4248.787	1.23E-05	2.26E-05	2.55E-05	3.18E-06	1.26E-05	7.61E-05
360.775	4248.017	5.24E-06	5.59E-05	9.88E-06	3.25E-07	4.62E-06	7.59E-05
360.794	4248.896	5.40E-06	2.58E-05	3.18E-05	8.29E-06	4.17E-06	7.54E-05
360.9	4247.9	5.13E-06	5.37E-05	1.06E-05	3.78E-07	4.29E-06	7.40E-05
360.3	4249	9.13E-06	2.11E-05	2.74E-05	6.17E-06	7.79E-06	7.17E-05
360.9	4247.8	5.17E-06	5.30E-05	8.80E-06	2.94E-07	4.27E-06	7.15E-05
360.9	4247.7	5.26E-06	5.28E-05	7.64E-06	2.32E-07	4.23E-06	7.01E-05
360.186	4248.85	1.08E-05	2.07E-05	2.42E-05	3.31E-06	1.06E-05	6.96E-05
360.8	4248	5.10E-06	5.00E-05	9.16E-06	3.13E-07	4.44E-06	6.91E-05
360.7	4249.1	6.47E-06	2.09E-05	2.88E-05	7.84E-06	4.94E-06	6.90E-05
360.03	4248.262	1.64E-05	2.14E-05	9.42E-06	5.56E-07	2.11E-05	6.88E-05
360.4	4249.1	7.64E-06	2.01E-05	2.69E-05	7.43E-06	6.08E-06	6.81E-05
360.9	4248	4.95E-06	4.57E-05	1.23E-05	4.90E-07	4.06E-06	6.74E-05
360.2	4248.9	1.00E-05	2.00E-05	2.41E-05	3.62E-06	9.48E-06	6.72E-05
360.843	4248.678	5.45E-06	2.59E-05	2.67E-05	4.62E-06	4.37E-06	6.70E-05
360.498	4249.157	6.80E-06	1.90E-05	2.60E-05	7.89E-06	5.27E-06	6.50E-05
360.827	4248.784	5.41E-06	2.42E-05	2.34E-05	6.34E-06	4.27E-06	6.36E-05
360.838	4248.485	5.37E-06	2.76E-05	2.34E-05	2.20E-06	4.36E-06	6.30E-05
360.187	4248.927	9.79E-06	1.86E-05	2.21E-05	3.33E-06	9.09E-06	6.29E-05
360.9	4247.6	5.23E-06	4.72E-05	6.20E-06	1.85E-07	4.14E-06	6.29E-05
360.8	4248.102	4.91E-06	4.23E-05	1.10E-05	4.14E-07	4.12E-06	6.28E-05
360.592	4249.185	6.34E-06	1.82E-05	2.49E-05	6.81E-06	4.86E-06	6.11E-05
360.578	4247.5	3.47E-06	4.97E-05	3.10E-06	1.05E-07	3.06E-06	5.95E-05
359.992	4248.193	1.33E-05	1.96E-05	8.02E-06	4.46E-07	1.69E-05	5.83E-05
360.9	4248.1	4.69E-06	3.55E-05	1.32E-05	6.37E-07	3.74E-06	5.78E-05
360.2	4249	9.05E-06	1.71E-05	2.02E-05	3.43E-06	7.96E-06	5.78E-05
360.825	4248.188	4.97E-06	3.40E-05	1.27E-05	5.29E-07	4.12E-06	5.63E-05

TASK 1
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.403	4249.137	7.20E-06	1.71E-05	1.98E-05	6.29E-06	5.69E-06	5.61E-05
360.3	4249.1	7.66E-06	1.70E-05	2.05E-05	4.58E-06	6.28E-06	5.60E-05
360.826	4248.376	5.27E-06	2.72E-05	1.80E-05	9.18E-07	4.32E-06	5.57E-05
360.858	4248.572	5.19E-06	2.26E-05	1.95E-05	2.25E-06	4.20E-06	5.37E-05
361	4247.9	4.53E-06	3.56E-05	8.99E-06	3.68E-07	3.66E-06	5.31E-05
360.9	4247.5	4.89E-06	3.86E-05	4.83E-06	1.51E-07	3.85E-06	5.23E-05
361	4248.7	4.65E-06	1.93E-05	2.25E-05	2.24E-06	3.62E-06	5.23E-05
361	4248	4.64E-06	3.23E-05	1.08E-05	4.64E-07	3.72E-06	5.19E-05
360.334	4249.128	7.35E-06	1.59E-05	1.76E-05	4.81E-06	5.92E-06	5.16E-05
360.85	4248.273	5.08E-06	2.78E-05	1.38E-05	6.56E-07	4.21E-06	5.15E-05
360.8	4249	5.11E-06	1.83E-05	1.75E-05	6.69E-06	3.86E-06	5.15E-05
361	4248.8	5.02E-06	1.79E-05	2.20E-05	2.47E-06	3.94E-06	5.12E-05
360.171	4249.034	8.36E-06	1.53E-05	1.74E-05	2.84E-06	7.28E-06	5.12E-05
361	4247.8	4.74E-06	3.42E-05	7.62E-06	2.94E-07	3.82E-06	5.07E-05
361	4248.1	4.48E-06	2.97E-05	1.24E-05	5.89E-07	3.52E-06	5.06E-05
361	4248.2	4.49E-06	2.75E-05	1.41E-05	7.44E-07	3.55E-06	5.04E-05
361	4248.6	4.50E-06	1.96E-05	2.04E-05	1.88E-06	3.51E-06	5.00E-05
361	4247.7	4.91E-06	3.43E-05	6.48E-06	2.36E-07	3.87E-06	4.98E-05
360.302	4247.5	2.64E-06	4.02E-05	3.31E-06	1.18E-07	2.55E-06	4.88E-05
361	4247.6	5.39E-06	3.30E-05	5.48E-06	1.92E-07	4.09E-06	4.82E-05
360.269	4249.127	7.33E-06	1.48E-05	1.63E-05	3.62E-06	6.01E-06	4.81E-05
360.513	4247.475	2.90E-06	3.96E-05	2.52E-06	9.27E-08	2.57E-06	4.76E-05
360.2	4249.1	7.49E-06	1.44E-05	1.60E-05	2.90E-06	6.31E-06	4.71E-05
360.875	4248.359	4.94E-06	2.32E-05	1.41E-05	7.87E-07	4.00E-06	4.70E-05
360.1	4249	8.19E-06	1.41E-05	1.52E-05	2.09E-06	7.29E-06	4.69E-05
361	4248.9	5.19E-06	1.60E-05	1.91E-05	2.53E-06	4.00E-06	4.68E-05
360.678	4249.21	5.66E-06	1.49E-05	1.71E-05	4.82E-06	4.30E-06	4.68E-05
360.9	4248.2	4.66E-06	2.61E-05	1.08E-05	6.22E-07	3.75E-06	4.60E-05
360.049	4248.941	8.25E-06	1.38E-05	1.41E-05	1.70E-06	7.50E-06	4.53E-05
360.9	4248.5	4.80E-06	1.98E-05	1.49E-05	1.20E-06	3.83E-06	4.46E-05
361	4248.5	4.47E-06	1.91E-05	1.55E-05	1.48E-06	3.50E-06	4.41E-05
360.233	4249.168	7.02E-06	1.36E-05	1.50E-05	2.77E-06	5.72E-06	4.40E-05
359.934	4248.308	8.67E-06	1.63E-05	8.31E-06	5.13E-07	1.00E-05	4.39E-05
361	4247.5	5.38E-06	2.96E-05	4.54E-06	1.58E-07	4.02E-06	4.37E-05
360.9	4249.1	4.73E-06	1.47E-05	1.73E-05	3.29E-06	3.51E-06	4.36E-05
360.9	4248.3	4.79E-06	2.25E-05	1.18E-05	6.48E-07	3.88E-06	4.35E-05
360.9	4248.4	4.75E-06	2.07E-05	1.34E-05	8.14E-07	3.79E-06	4.34E-05
361.1	4248.6	4.87E-06	1.69E-05	1.63E-05	1.35E-06	3.83E-06	4.33E-05
361.1	4248.5	4.46E-06	1.82E-05	1.57E-05	1.16E-06	3.53E-06	4.30E-05
361.1	4248	4.42E-06	2.52E-05	9.28E-06	4.35E-07	3.48E-06	4.29E-05
361.1	4248.7	5.02E-06	1.57E-05	1.65E-05	1.50E-06	3.88E-06	4.27E-05
361.1	4247.9	4.26E-06	2.66E-05	8.04E-06	3.54E-07	3.39E-06	4.26E-05
361.1	4248.1	4.38E-06	2.36E-05	1.06E-05	5.31E-07	3.45E-06	4.26E-05
361.1	4248.3	4.16E-06	2.13E-05	1.29E-05	7.87E-07	3.29E-06	4.25E-05
361	4248.3	4.46E-06	2.10E-05	1.22E-05	9.11E-07	3.54E-06	4.21E-05
360.9	4248.6	4.83E-06	1.79E-05	1.40E-05	1.48E-06	3.86E-06	4.21E-05
361.1	4248.2	4.00E-06	2.25E-05	1.15E-05	6.45E-07	3.15E-06	4.18E-05
361.1	4248.8	5.11E-06	1.47E-05	1.62E-05	1.62E-06	3.90E-06	4.15E-05
360.804	4247.376	3.79E-06	3.12E-05	3.30E-06	1.15E-07	3.05E-06	4.14E-05
361.1	4248.4	4.11E-06	1.92E-05	1.39E-05	9.66E-07	3.21E-06	4.14E-05
360.171	4249.149	6.95E-06	1.27E-05	1.36E-05	2.33E-06	5.78E-06	4.13E-05
360.9	4248.7	4.84E-06	1.66E-05	1.41E-05	1.80E-06	3.84E-06	4.12E-05
361	4249	4.62E-06	1.41E-05	1.65E-05	2.40E-06	3.50E-06	4.12E-05
360.9	4247.4	4.23E-06	2.96E-05	3.67E-06	1.24E-07	3.33E-06	4.10E-05
361	4248.4	4.42E-06	1.89E-05	1.23E-05	1.15E-06	3.47E-06	4.02E-05
360.632	4249.294	5.61E-06	1.26E-05	1.34E-05	3.62E-06	4.27E-06	3.95E-05
360.198	4249.204	6.66E-06	1.21E-05	1.30E-05	2.24E-06	5.41E-06	3.94E-05
361.1	4247.8	4.09E-06	2.50E-05	6.72E-06	2.90E-07	3.23E-06	3.94E-05
361.1	4247.6	4.81E-06	2.54E-05	5.07E-06	1.97E-07	3.65E-06	3.91E-05
360.9	4249.2	4.94E-06	1.29E-05	1.48E-05	2.71E-06	3.68E-06	3.90E-05
360.9	4248.9	4.74E-06	1.50E-05	1.24E-05	3.17E-06	3.62E-06	3.89E-05
361.1	4247.7	4.39E-06	2.50E-05	5.81E-06	2.38E-07	3.44E-06	3.89E-05
361.1	4248.9	5.00E-06	1.34E-05	1.48E-05	1.67E-06	3.79E-06	3.87E-05
360.9	4248.8	4.78E-06	1.52E-05	1.28E-05	1.95E-06	3.73E-06	3.85E-05
360.1	4249.1	6.83E-06	1.18E-05	1.19E-05	1.94E-06	5.86E-06	3.83E-05
359.912	4248.213	6.82E-06	1.61E-05	7.04E-06	4.08E-07	7.84E-06	3.82E-05
360.9	4249	4.65E-06	1.42E-05	1.21E-05	3.65E-06	3.49E-06	3.81E-05
360.549	4247.407	2.74E-06	3.01E-05	2.29E-06	9.06E-08	2.35E-06	3.76E-05
361.1	4247.5	4.94E-06	2.42E-05	4.38E-06	1.65E-07	3.68E-06	3.74E-05
361.2	4248.5	4.52E-06	1.61E-05	1.22E-05	9.12E-07	3.56E-06	3.73E-05
359.9	4248.3	6.65E-06	1.50E-05	7.59E-06	4.71E-07	7.40E-06	3.71E-05
360	4249	6.62E-06	1.18E-05	1.15E-05	1.41E-06	5.75E-06	3.71E-05

TASK 1
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361	4249.1	4.47E-06	1.25E-05	1.43E-05	2.22E-06	3.35E-06	3.69E-05
361.2	4248.6	4.70E-06	1.49E-05	1.26E-05	1.02E-06	3.61E-06	3.68E-05
361	4247.4	4.54E-06	2.50E-05	3.67E-06	1.32E-07	3.44E-06	3.68E-05
361.2	4248	4.02E-06	2.11E-05	8.10E-06	3.98E-07	3.13E-06	3.68E-05
361.2	4248.4	3.90E-06	1.72E-05	1.15E-05	7.88E-07	3.06E-06	3.64E-05
360.2	4249.26	6.29E-06	1.12E-05	1.17E-05	1.98E-06	5.03E-06	3.62E-05
361.2	4248.1	3.82E-06	1.97E-05	9.08E-06	4.72E-07	3.01E-06	3.61E-05
360.115	4249.143	6.60E-06	1.12E-05	1.08E-05	1.93E-06	5.57E-06	3.61E-05
361.2	4247.9	3.83E-06	2.18E-05	7.12E-06	3.36E-07	3.01E-06	3.61E-05
361.2	4248.3	3.71E-06	1.82E-05	1.05E-05	6.68E-07	2.92E-06	3.60E-05
360.8	4249.1	4.88E-06	1.30E-05	1.13E-05	3.00E-06	3.67E-06	3.58E-05
360.8	4249.2	4.81E-06	1.24E-05	1.11E-05	3.35E-06	3.60E-06	3.53E-05
359.958	4248.92	6.19E-06	1.17E-05	1.06E-05	1.22E-06	5.47E-06	3.52E-05
361.2	4248.7	4.37E-06	1.36E-05	1.28E-05	1.09E-06	3.36E-06	3.52E-05
361.1	4249	4.37E-06	1.20E-05	1.30E-05	1.61E-06	3.32E-06	3.43E-05
360.9	4249.3	4.58E-06	1.13E-05	1.25E-05	2.16E-06	3.39E-06	3.39E-05
360.585	4249.378	5.47E-06	1.08E-05	1.08E-05	2.63E-06	4.15E-06	3.39E-05
361	4249.2	4.77E-06	1.12E-05	1.23E-05	1.96E-06	3.52E-06	3.38E-05
361.2	4248.8	4.16E-06	1.26E-05	1.26E-05	1.17E-06	3.21E-06	3.37E-05
361.1	4247.4	4.58E-06	2.18E-05	3.72E-06	1.39E-07	3.40E-06	3.37E-05
360.199	4249.312	5.94E-06	1.03E-05	1.05E-05	1.77E-06	4.71E-06	3.32E-05
360.06	4249.18	6.01E-06	1.03E-05	1.03E-05	1.54E-06	5.01E-06	3.32E-05
361.2	4247.8	3.72E-06	2.01E-05	6.10E-06	2.82E-07	2.93E-06	3.32E-05
360	4249.1	5.88E-06	1.04E-05	1.02E-05	1.38E-06	4.98E-06	3.29E-05
361.2	4248.2	3.52E-06	1.72E-05	8.80E-06	5.57E-07	2.77E-06	3.28E-05
360.088	4249.225	5.98E-06	1.01E-05	1.01E-05	1.56E-06	4.91E-06	3.27E-05
361.2	4247.6	4.12E-06	2.04E-05	4.76E-06	1.98E-07	3.18E-06	3.27E-05
360.8	4247.3	3.38E-06	2.37E-05	2.67E-06	1.01E-07	2.70E-06	3.26E-05
361.2	4247.7	3.85E-06	1.99E-05	5.35E-06	2.35E-07	3.02E-06	3.23E-05
361.2	4247.5	4.40E-06	2.02E-05	4.19E-06	1.69E-07	3.30E-06	3.22E-05
361.3	4248.5	4.07E-06	1.43E-05	9.72E-06	7.23E-07	3.18E-06	3.20E-05
360.9	4247.3	3.70E-06	2.24E-05	2.83E-06	1.05E-07	2.89E-06	3.19E-05
361.2	4248.9	3.98E-06	1.16E-05	1.19E-05	1.21E-06	3.06E-06	3.18E-05
360.301	4247.402	2.15E-06	2.46E-05	2.76E-06	1.00E-07	2.06E-06	3.17E-05
361.3	4248.4	3.76E-06	1.49E-05	9.37E-06	6.45E-07	2.98E-06	3.16E-05
361.3	4248	3.34E-06	1.82E-05	7.12E-06	3.57E-07	2.60E-06	3.16E-05
361.3	4248.3	3.57E-06	1.55E-05	9.03E-06	5.66E-07	2.84E-06	3.15E-05
360.8	4249.3	4.64E-06	1.09E-05	9.97E-06	2.50E-06	3.46E-06	3.15E-05
359.839	4248.354	5.45E-06	1.28E-05	6.91E-06	4.61E-07	5.88E-06	3.15E-05
361.3	4247.9	3.53E-06	1.84E-05	6.33E-06	3.09E-07	2.74E-06	3.13E-05
360.256	4247.423	2.71E-06	2.22E-05	3.43E-06	1.01E-07	2.79E-06	3.12E-05
361.3	4248.6	3.96E-06	1.33E-05	1.00E-05	7.88E-07	3.06E-06	3.11E-05
360.7	4249.3	5.10E-06	1.06E-05	9.57E-06	1.98E-06	3.86E-06	3.11E-05
360.6	4249.4	5.30E-06	1.01E-05	9.56E-06	2.14E-06	4.02E-06	3.11E-05
361	4249.3	5.02E-06	1.00E-05	1.05E-05	1.72E-06	3.60E-06	3.08E-05
359.868	4248.894	5.61E-06	1.06E-05	8.76E-06	9.13E-07	4.92E-06	3.08E-05
361.1	4249.1	4.02E-06	1.07E-05	1.14E-05	1.53E-06	3.00E-06	3.07E-05
360.8	4249.4	4.57E-06	1.02E-05	1.03E-05	1.94E-06	3.40E-06	3.04E-05
361	4247.3	3.86E-06	2.04E-05	2.94E-06	1.11E-07	2.95E-06	3.03E-05
361.3	4248.1	3.17E-06	1.67E-05	7.43E-06	4.17E-07	2.47E-06	3.02E-05
360.9	4249.4	4.55E-06	1.00E-05	1.04E-05	1.71E-06	3.35E-06	3.01E-05
361.2	4247.4	4.09E-06	1.90E-05	3.68E-06	1.44E-07	3.07E-06	3.00E-05
360	4249.2	5.56E-06	9.36E-06	9.10E-06	1.27E-06	4.60E-06	2.99E-05
361.3	4248.7	3.80E-06	1.21E-05	1.01E-05	8.28E-07	2.91E-06	2.98E-05
359.9	4249	5.32E-06	1.01E-05	8.86E-06	1.03E-06	4.48E-06	2.98E-05
360.481	4247.39	2.27E-06	2.35E-05	1.95E-06	8.00E-08	1.95E-06	2.97E-05
360.195	4249.375	5.49E-06	9.30E-06	9.08E-06	1.54E-06	4.30E-06	2.97E-05
360.068	4249.275	5.59E-06	9.20E-06	8.98E-06	1.36E-06	4.54E-06	2.97E-05
359.797	4248.242	5.12E-06	1.29E-05	5.81E-06	3.47E-07	5.43E-06	2.96E-05
361.1	4247.3	4.18E-06	1.87E-05	3.08E-06	1.18E-07	3.10E-06	2.92E-05
361.2	4249	3.90E-06	1.04E-05	1.06E-05	1.17E-06	2.96E-06	2.90E-05
360.538	4249.462	5.22E-06	9.30E-06	8.50E-06	1.85E-06	3.96E-06	2.88E-05
359.728	4248.146	4.52E-06	1.42E-05	4.79E-06	2.65E-07	4.87E-06	2.87E-05
361.3	4248.8	3.73E-06	1.12E-05	9.95E-06	8.86E-07	2.85E-06	2.86E-05
361.1	4249.2	4.29E-06	9.66E-06	1.01E-05	1.41E-06	3.15E-06	2.86E-05
361.3	4247.8	3.40E-06	1.67E-05	5.51E-06	2.65E-07	2.66E-06	2.85E-05
360.8	4249.5	4.47E-06	9.42E-06	9.49E-06	1.54E-06	3.33E-06	2.83E-05
359.806	4248.302	4.61E-06	1.21E-05	6.13E-06	3.91E-07	4.84E-06	2.81E-05
360.7	4249.5	4.77E-06	9.23E-06	8.70E-06	1.74E-06	3.59E-06	2.80E-05
361.3	4248.2	3.19E-06	1.45E-05	7.26E-06	4.86E-07	2.52E-06	2.80E-05
361	4249.4	5.01E-06	9.01E-06	8.80E-06	1.47E-06	3.53E-06	2.78E-05
360.771	4247.244	3.00E-06	1.98E-05	2.30E-06	9.22E-08	2.41E-06	2.76E-05

TASK 1
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361.4	4248.3	3.42E-06	1.35E-05	7.36E-06	4.82E-07	2.73E-06	2.75E-05
361.3	4248.9	3.73E-06	1.03E-05	9.65E-06	9.23E-07	2.85E-06	2.74E-05
361.3	4247.6	3.76E-06	1.62E-05	4.32E-06	1.93E-07	2.88E-06	2.73E-05
359.9	4249.1	4.95E-06	9.11E-06	8.16E-06	1.02E-06	4.09E-06	2.73E-05
361.4	4247.9	3.14E-06	1.58E-05	5.67E-06	2.80E-07	2.44E-06	2.73E-05
360.7	4249.4	4.87E-06	9.27E-06	7.98E-06	1.51E-06	3.69E-06	2.73E-05
361.3	4247.7	3.51E-06	1.59E-05	4.87E-06	2.26E-07	2.74E-06	2.73E-05
359.8	4248.9	5.11E-06	9.56E-06	7.33E-06	7.49E-07	4.51E-06	2.73E-05
361.4	4248.5	3.59E-06	1.24E-05	7.80E-06	5.79E-07	2.80E-06	2.72E-05
361.4	4248.4	3.44E-06	1.29E-05	7.51E-06	5.32E-07	2.72E-06	2.71E-05
361.4	4248.2	3.18E-06	1.39E-05	7.07E-06	4.25E-07	2.53E-06	2.71E-05
360.9	4249.5	4.62E-06	8.97E-06	8.80E-06	1.36E-06	3.37E-06	2.71E-05
360.191	4249.427	5.12E-06	8.55E-06	8.08E-06	1.38E-06	3.97E-06	2.71E-05
361.2	4247.3	3.83E-06	1.71E-05	3.15E-06	1.24E-07	2.86E-06	2.71E-05
361.4	4248	2.84E-06	1.57E-05	5.97E-06	3.22E-07	2.20E-06	2.70E-05
361.3	4247.5	3.70E-06	1.64E-05	3.84E-06	1.67E-07	2.82E-06	2.69E-05
361.4	4248.6	3.67E-06	1.18E-05	8.03E-06	6.19E-07	2.79E-06	2.69E-05
361.4	4248.1	2.99E-06	1.46E-05	6.55E-06	3.69E-07	2.35E-06	2.68E-05
360.7	4249.6	4.57E-06	8.70E-06	8.68E-06	1.38E-06	3.42E-06	2.68E-05
361.1	4249.3	4.56E-06	8.81E-06	8.79E-06	1.31E-06	3.25E-06	2.67E-05
359.743	4248.646	4.92E-06	9.66E-06	6.36E-06	5.54E-07	5.15E-06	2.66E-05
360	4249.3	5.20E-06	8.24E-06	7.81E-06	1.11E-06	4.24E-06	2.66E-05
360.032	4249.325	5.17E-06	8.26E-06	7.83E-06	1.16E-06	4.18E-06	2.66E-05
359.749	4248.592	4.83E-06	9.80E-06	6.34E-06	5.34E-07	5.06E-06	2.66E-05
361.2	4249.1	3.95E-06	9.28E-06	9.24E-06	1.11E-06	2.93E-06	2.65E-05
359.7	4248.2	4.37E-06	1.23E-05	4.70E-06	2.73E-07	4.59E-06	2.62E-05
361.4	4248.7	3.77E-06	1.09E-05	8.10E-06	6.43E-07	2.79E-06	2.62E-05
361	4247.2	3.87E-06	1.69E-05	2.41E-06	9.44E-08	2.88E-06	2.62E-05
360.9	4247.2	3.46E-06	1.76E-05	2.29E-06	8.97E-08	2.65E-06	2.61E-05
361.3	4247.4	3.47E-06	1.63E-05	3.48E-06	1.45E-07	2.65E-06	2.61E-05
359.675	4248.099	3.94E-06	1.34E-05	4.20E-06	2.28E-07	4.21E-06	2.60E-05
361.1	4247.2	4.18E-06	1.60E-05	2.56E-06	1.01E-07	3.05E-06	2.59E-05
359.9	4249.2	4.95E-06	8.29E-06	7.54E-06	9.64E-07	4.07E-06	2.58E-05
360.491	4249.545	4.97E-06	8.34E-06	7.21E-06	1.50E-06	3.77E-06	2.58E-05
360.6	4249.5	4.88E-06	8.51E-06	7.36E-06	1.32E-06	3.70E-06	2.58E-05
361.3	4249	3.89E-06	9.30E-06	8.78E-06	9.01E-07	2.91E-06	2.58E-05
361	4249.5	4.93E-06	8.17E-06	7.55E-06	1.20E-06	3.44E-06	2.53E-05
359.754	4248.513	4.26E-06	9.98E-06	6.21E-06	4.93E-07	4.35E-06	2.53E-05
361.4	4248.8	3.79E-06	1.01E-05	7.95E-06	6.88E-07	2.78E-06	2.53E-05
359.755	4248.318	4.07E-06	1.09E-05	5.56E-06	3.64E-07	4.21E-06	2.51E-05
360.8	4249.6	4.28E-06	8.41E-06	7.97E-06	1.24E-06	3.19E-06	2.51E-05
360.8	4247.2	2.90E-06	1.76E-05	2.15E-06	8.70E-08	2.30E-06	2.50E-05
359.751	4248.443	4.14E-06	1.02E-05	5.96E-06	4.44E-07	4.20E-06	2.49E-05
361.1	4249.4	4.69E-06	8.07E-06	7.57E-06	1.19E-06	3.28E-06	2.48E-05
361.4	4247.8	3.03E-06	1.41E-05	4.99E-06	2.44E-07	2.35E-06	2.47E-05
361.3	4247.3	3.36E-06	1.55E-05	3.13E-06	1.27E-07	2.55E-06	2.46E-05
359.8	4249	4.49E-06	8.75E-06	6.88E-06	7.66E-07	3.73E-06	2.46E-05
359.7	4248.7	4.57E-06	8.99E-06	5.83E-06	5.20E-07	4.68E-06	2.46E-05
360.9	4249.6	4.57E-06	8.07E-06	7.47E-06	1.09E-06	3.32E-06	2.45E-05
361.2	4247.2	3.79E-06	1.51E-05	2.68E-06	1.08E-07	2.79E-06	2.45E-05
361.4	4248.9	3.77E-06	9.25E-06	7.77E-06	7.17E-07	2.77E-06	2.43E-05
361.2	4249.2	3.89E-06	8.39E-06	8.10E-06	1.04E-06	2.83E-06	2.42E-05
359.7	4248.8	4.62E-06	8.82E-06	5.81E-06	5.52E-07	4.42E-06	2.42E-05
360.189	4249.503	4.72E-06	7.73E-06	6.96E-06	1.19E-06	3.62E-06	2.42E-05
359.652	4248.019	3.75E-06	1.24E-05	3.77E-06	2.00E-07	4.10E-06	2.42E-05
361.5	4248	2.65E-06	1.38E-05	5.27E-06	2.90E-07	2.06E-06	2.41E-05
361.3	4249.1	4.17E-06	8.32E-06	7.66E-06	8.40E-07	3.00E-06	2.40E-05
361.5	4248.5	3.53E-06	1.09E-05	6.36E-06	4.71E-07	2.70E-06	2.40E-05
361.5	4248.6	3.69E-06	1.04E-05	6.54E-06	4.95E-07	2.74E-06	2.39E-05
361.5	4248.1	2.81E-06	1.29E-05	5.66E-06	3.28E-07	2.22E-06	2.39E-05
361.5	4247.9	2.69E-06	1.38E-05	4.98E-06	2.56E-07	2.08E-06	2.38E-05
359.7	4248.6	4.25E-06	9.00E-06	5.72E-06	4.79E-07	4.36E-06	2.38E-05
361.5	4248.2	2.93E-06	1.22E-05	5.90E-06	3.69E-07	2.33E-06	2.37E-05
360.7	4249.7	4.28E-06	7.77E-06	7.28E-06	1.10E-06	3.19E-06	2.36E-05
361.5	4248.3	3.00E-06	1.17E-05	6.05E-06	4.07E-07	2.39E-06	2.36E-05
361.5	4248.4	3.12E-06	1.13E-05	6.13E-06	4.38E-07	2.47E-06	2.35E-05
361.5	4248.7	3.75E-06	9.79E-06	6.59E-06	5.10E-07	2.71E-06	2.34E-05
361.4	4249	3.94E-06	8.46E-06	7.32E-06	7.10E-07	2.86E-06	2.33E-05
361	4249.6	4.85E-06	7.47E-06	6.57E-06	9.69E-07	3.36E-06	2.32E-05
359.9	4249.3	4.61E-06	7.39E-06	6.58E-06	8.74E-07	3.76E-06	2.32E-05
359.984	4249.373	4.58E-06	7.32E-06	6.63E-06	9.61E-07	3.68E-06	2.32E-05
360.6	4249.6	4.54E-06	7.68E-06	6.41E-06	1.10E-06	3.43E-06	2.31E-05

TASK 1
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361.1	4249.5	4.85E-06	7.39E-06	6.49E-06	1.02E-06	3.33E-06	2.31E-05
361	4247.1	3.75E-06	1.44E-05	2.06E-06	8.14E-08	2.75E-06	2.31E-05
360.5	4249.6	4.69E-06	7.54E-06	6.19E-06	1.06E-06	3.56E-06	2.30E-05
359.6	4248.1	3.73E-06	1.16E-05	3.68E-06	2.02E-07	3.81E-06	2.30E-05
359.7	4248.9	4.46E-06	8.23E-06	5.74E-06	5.72E-07	4.02E-06	2.30E-05
361.4	4247.3	3.45E-06	1.39E-05	2.99E-06	1.27E-07	2.57E-06	2.30E-05
361.4	4247.4	3.26E-06	1.39E-05	3.20E-06	1.42E-07	2.48E-06	2.30E-05
360.6	4249.7	4.36E-06	7.50E-06	6.70E-06	1.17E-06	3.26E-06	2.30E-05
361.1	4247.1	3.87E-06	1.40E-05	2.19E-06	8.74E-08	2.81E-06	2.30E-05
361.4	4247.7	3.22E-06	1.27E-05	4.32E-06	2.12E-07	2.48E-06	2.29E-05
361.3	4247.2	3.30E-06	1.42E-05	2.76E-06	1.12E-07	2.48E-06	2.28E-05
359.7	4248.5	3.87E-06	9.13E-06	5.50E-06	4.30E-07	3.80E-06	2.27E-05
361.2	4249.3	3.97E-06	7.73E-06	7.23E-06	9.65E-07	2.83E-06	2.27E-05
359.7	4248.4	3.84E-06	9.42E-06	5.21E-06	3.73E-07	3.84E-06	2.27E-05
359.8	4249.1	4.19E-06	7.86E-06	6.42E-06	7.64E-07	3.40E-06	2.26E-05
359.7	4248.3	3.45E-06	1.04E-05	4.92E-06	3.18E-07	3.49E-06	2.26E-05
359.6	4248.2	3.79E-06	1.09E-05	3.87E-06	2.30E-07	3.78E-06	2.26E-05
359.629	4247.939	3.34E-06	1.17E-05	3.47E-06	1.74E-07	3.79E-06	2.25E-05
360.8	4249.7	4.11E-06	7.56E-06	6.75E-06	9.97E-07	3.05E-06	2.25E-05
361.5	4248.8	3.69E-06	9.03E-06	6.45E-06	5.44E-07	2.64E-06	2.24E-05
360.444	4249.629	4.63E-06	7.25E-06	5.81E-06	1.05E-06	3.52E-06	2.23E-05
361.4	4247.6	3.21E-06	1.26E-05	3.78E-06	1.83E-07	2.46E-06	2.22E-05
361.4	4247.5	3.09E-06	1.32E-05	3.42E-06	1.60E-07	2.37E-06	2.22E-05
360.9	4249.7	4.44E-06	7.31E-06	6.33E-06	8.88E-07	3.21E-06	2.22E-05
360.186	4249.569	4.43E-06	7.08E-06	6.21E-06	1.04E-06	3.38E-06	2.21E-05
361.4	4249.1	4.23E-06	7.64E-06	6.55E-06	6.62E-07	2.99E-06	2.21E-05
359.6	4248	3.41E-06	1.12E-05	3.43E-06	1.80E-07	3.69E-06	2.19E-05
360.771	4247.141	2.59E-06	1.52E-05	1.94E-06	8.00E-08	2.07E-06	2.19E-05
360.9	4247.1	3.09E-06	1.43E-05	1.95E-06	7.78E-08	2.37E-06	2.18E-05
361.3	4249.2	4.00E-06	7.51E-06	6.66E-06	7.90E-07	2.83E-06	2.18E-05
361.6	4248	2.55E-06	1.23E-05	4.72E-06	2.59E-07	1.98E-06	2.18E-05
361.4	4247.2	3.42E-06	1.30E-05	2.73E-06	1.13E-07	2.53E-06	2.18E-05
361.2	4247.1	3.42E-06	1.33E-05	2.31E-06	9.39E-08	2.53E-06	2.17E-05
360.725	4249.695	4.14E-06	6.32E-06	7.07E-06	1.06E-06	3.08E-06	2.17E-05
359.606	4247.882	3.39E-06	1.09E-05	3.29E-06	1.56E-07	3.92E-06	2.17E-05
359.627	4248.675	4.07E-06	8.03E-06	5.00E-06	4.29E-07	4.13E-06	2.17E-05
361.5	4248.9	3.71E-06	8.35E-06	6.33E-06	5.67E-07	2.64E-06	2.16E-05
360.2	4249.6	4.33E-06	6.94E-06	6.03E-06	9.98E-07	3.29E-06	2.16E-05
361.5	4247.8	2.67E-06	1.22E-05	4.43E-06	2.25E-07	2.05E-06	2.16E-05
361.6	4248.6	3.70E-06	9.34E-06	5.40E-06	4.00E-07	2.69E-06	2.15E-05
361.6	4248.5	3.51E-06	9.71E-06	5.25E-06	3.85E-07	2.62E-06	2.15E-05
361.2	4249.4	4.04E-06	7.21E-06	6.47E-06	9.10E-07	2.84E-06	2.15E-05
360.6	4249.8	4.15E-06	6.97E-06	6.31E-06	9.46E-07	3.08E-06	2.15E-05
361.6	4248.1	2.74E-06	1.14E-05	4.86E-06	2.90E-07	2.16E-06	2.14E-05
360.5	4247.3	2.00E-06	1.60E-05	1.66E-06	7.14E-08	1.68E-06	2.14E-05
360.254	4247.334	2.21E-06	1.39E-05	2.98E-06	8.78E-08	2.27E-06	2.14E-05
360.7	4249.8	4.12E-06	7.03E-06	6.27E-06	8.92E-07	3.03E-06	2.13E-05
359.8	4249.2	4.03E-06	7.28E-06	6.02E-06	7.36E-07	3.24E-06	2.13E-05
361.5	4247.3	3.61E-06	1.22E-05	2.76E-06	1.24E-07	2.63E-06	2.13E-05
361.6	4248.2	2.89E-06	1.08E-05	4.94E-06	3.20E-07	2.29E-06	2.12E-05
359.939	4249.397	4.21E-06	6.78E-06	5.93E-06	8.43E-07	3.38E-06	2.11E-05
361.6	4247.9	2.44E-06	1.22E-05	4.36E-06	2.34E-07	1.88E-06	2.11E-05
361	4249.7	4.52E-06	6.88E-06	5.73E-06	7.94E-07	3.15E-06	2.11E-05
361.5	4249	3.89E-06	7.70E-06	6.10E-06	5.69E-07	2.75E-06	2.10E-05
361.6	4248.3	3.01E-06	1.03E-05	4.99E-06	3.43E-07	2.36E-06	2.10E-05
361.1	4249.6	4.55E-06	6.80E-06	5.62E-06	8.59E-07	3.12E-06	2.10E-05
359.7	4249	3.93E-06	7.60E-06	5.43E-06	5.84E-07	3.30E-06	2.08E-05
361.6	4248.4	3.09E-06	9.93E-06	5.06E-06	3.61E-07	2.39E-06	2.08E-05
361.5	4247.2	3.62E-06	1.18E-05	2.62E-06	1.13E-07	2.62E-06	2.08E-05
361.3	4247.1	3.19E-06	1.27E-05	2.40E-06	9.86E-08	2.38E-06	2.07E-05
359.555	4248.218	3.51E-06	9.98E-06	3.60E-06	2.20E-07	3.42E-06	2.07E-05
360.516	4247.275	2.02E-06	1.52E-05	1.66E-06	7.40E-08	1.69E-06	2.07E-05
361.6	4248.7	3.46E-06	8.82E-06	5.44E-06	4.11E-07	2.49E-06	2.06E-05
360.5	4249.7	4.36E-06	6.78E-06	5.33E-06	8.59E-07	3.29E-06	2.06E-05
361.2	4249.5	4.36E-06	6.70E-06	5.66E-06	8.44E-07	2.99E-06	2.05E-05
361.5	4247.4	3.30E-06	1.18E-05	2.89E-06	1.37E-07	2.44E-06	2.05E-05
360.8	4247.1	2.56E-06	1.40E-05	1.85E-06	7.64E-08	2.03E-06	2.05E-05
359.628	4248.588	3.59E-06	8.04E-06	4.91E-06	4.02E-07	3.51E-06	2.04E-05
361	4247	3.52E-06	1.24E-05	1.80E-06	7.14E-08	2.56E-06	2.04E-05
359.524	4248.149	3.42E-06	1.01E-05	3.31E-06	1.90E-07	3.34E-06	2.03E-05
359.626	4248.301	3.05E-06	9.72E-06	4.27E-06	2.79E-07	3.01E-06	2.03E-05
360.9	4249.8	4.27E-06	6.70E-06	5.48E-06	7.36E-07	3.07E-06	2.03E-05

TASK 1
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.8	4249.8	3.90E-06	6.87E-06	5.79E-06	8.16E-07	2.87E-06	2.03E-05
360.178	4249.644	4.18E-06	6.47E-06	5.49E-06	8.81E-07	3.18E-06	2.02E-05
361.1	4247	3.39E-06	1.23E-05	1.91E-06	7.63E-08	2.48E-06	2.02E-05
359.9	4249.4	4.04E-06	6.52E-06	5.60E-06	7.73E-07	3.25E-06	2.02E-05
360.397	4249.713	4.30E-06	6.59E-06	5.08E-06	9.39E-07	3.26E-06	2.02E-05
359.8	4249.3	4.06E-06	6.64E-06	5.49E-06	6.87E-07	3.29E-06	2.02E-05
359.628	4248.5	3.51E-06	8.05E-06	4.72E-06	3.68E-07	3.34E-06	2.00E-05
359.6	4248.8	3.80E-06	7.37E-06	4.67E-06	4.31E-07	3.70E-06	2.00E-05
361.4	4247.1	3.13E-06	1.19E-05	2.45E-06	1.01E-07	2.33E-06	1.99E-05
361.5	4249.1	3.94E-06	7.02E-06	5.62E-06	5.37E-07	2.77E-06	1.99E-05
361.4	4249.2	3.81E-06	6.91E-06	5.74E-06	6.20E-07	2.70E-06	1.98E-05
359.7	4249.1	3.79E-06	7.06E-06	5.25E-06	5.83E-07	3.07E-06	1.98E-05
361.3	4249.3	3.61E-06	6.91E-06	5.91E-06	7.38E-07	2.57E-06	1.97E-05
361.5	4247.7	2.84E-06	1.06E-05	3.91E-06	1.99E-07	2.17E-06	1.97E-05
359.629	4248.371	3.07E-06	8.79E-06	4.42E-06	3.11E-07	3.03E-06	1.96E-05
361.7	4248	2.40E-06	1.10E-05	4.12E-06	2.33E-07	1.87E-06	1.96E-05
361.6	4248.8	3.25E-06	8.21E-06	5.30E-06	4.38E-07	2.34E-06	1.95E-05
361	4249.8	4.32E-06	6.38E-06	5.06E-06	6.58E-07	3.02E-06	1.94E-05
361.5	4247.1	3.35E-06	1.11E-05	2.42E-06	1.02E-07	2.44E-06	1.94E-05
361.2	4247	3.14E-06	1.19E-05	2.01E-06	8.23E-08	2.33E-06	1.94E-05
361.3	4247	3.38E-06	1.14E-05	2.10E-06	8.75E-08	2.45E-06	1.94E-05
361.6	4247.8	2.42E-06	1.08E-05	3.98E-06	2.10E-07	1.86E-06	1.93E-05
361.7	4248.1	2.60E-06	1.02E-05	4.17E-06	2.57E-07	2.04E-06	1.92E-05
360.2	4249.7	3.98E-06	6.22E-06	5.21E-06	8.18E-07	3.01E-06	1.92E-05
360.7	4249.9	3.85E-06	6.40E-06	5.42E-06	7.27E-07	2.82E-06	1.92E-05
361.7	4248.2	2.82E-06	9.70E-06	4.19E-06	2.76E-07	2.21E-06	1.92E-05
361.7	4248.5	3.41E-06	8.54E-06	4.37E-06	3.19E-07	2.51E-06	1.91E-05
360.426	4247.312	1.75E-06	1.42E-05	1.60E-06	6.96E-08	1.50E-06	1.91E-05
361.7	4248.3	3.10E-06	9.17E-06	4.18E-06	2.90E-07	2.35E-06	1.91E-05
361.5	4247.5	2.88E-06	1.08E-05	3.07E-06	1.52E-07	2.18E-06	1.91E-05
361.6	4247.3	3.31E-06	1.07E-05	2.54E-06	1.20E-07	2.41E-06	1.91E-05
361.7	4248.6	3.44E-06	8.33E-06	4.50E-06	3.28E-07	2.48E-06	1.91E-05
361.7	4247.9	2.29E-06	1.09E-05	3.88E-06	2.12E-07	1.77E-06	1.90E-05
360.6	4249.9	3.87E-06	6.24E-06	5.25E-06	7.65E-07	2.86E-06	1.90E-05
361.6	4248.9	3.33E-06	7.61E-06	5.19E-06	4.56E-07	2.37E-06	1.90E-05
359.528	4247.817	3.21E-06	9.31E-06	2.73E-06	1.33E-07	3.55E-06	1.89E-05
361.7	4248.4	3.22E-06	8.77E-06	4.24E-06	3.02E-07	2.41E-06	1.89E-05
361.6	4247.2	3.26E-06	1.07E-05	2.44E-06	1.11E-07	2.38E-06	1.89E-05
361.1	4249.7	4.06E-06	6.33E-06	5.00E-06	7.19E-07	2.82E-06	1.89E-05
360.9	4247	2.89E-06	1.21E-05	1.70E-06	6.88E-08	2.19E-06	1.89E-05
361.3	4249.4	3.70E-06	6.47E-06	5.36E-06	6.93E-07	2.59E-06	1.88E-05
359.6	4248.9	3.58E-06	7.01E-06	4.56E-06	4.45E-07	3.22E-06	1.88E-05
360.5	4249.8	4.06E-06	6.19E-06	4.70E-06	7.41E-07	3.06E-06	1.87E-05
361.4	4247	3.20E-06	1.09E-05	2.17E-06	9.07E-08	2.34E-06	1.87E-05
359.888	4249.439	3.75E-06	6.10E-06	5.08E-06	7.14E-07	2.99E-06	1.86E-05
359.494	4248.081	3.06E-06	9.28E-06	3.05E-06	1.67E-07	3.08E-06	1.86E-05
360.9	4249.9	4.10E-06	6.18E-06	4.76E-06	6.10E-07	2.93E-06	1.86E-05
361.5	4247.6	2.74E-06	1.02E-05	3.39E-06	1.73E-07	2.08E-06	1.86E-05
360.178	4249.719	3.92E-06	5.97E-06	4.92E-06	7.63E-07	2.96E-06	1.85E-05
360.8	4249.9	3.74E-06	6.31E-06	5.06E-06	6.71E-07	2.74E-06	1.85E-05
361.6	4249	3.46E-06	7.04E-06	5.07E-06	4.62E-07	2.43E-06	1.85E-05
361.7	4248.7	3.23E-06	8.03E-06	4.55E-06	3.34E-07	2.31E-06	1.84E-05
361.2	4249.6	3.86E-06	6.22E-06	4.92E-06	7.43E-07	2.68E-06	1.84E-05
361.3	4249.5	4.03E-06	6.09E-06	4.88E-06	6.70E-07	2.75E-06	1.84E-05
361.5	4247	3.25E-06	1.03E-05	2.20E-06	9.26E-08	2.35E-06	1.82E-05
361.3	4246.9	3.42E-06	1.03E-05	1.86E-06	7.79E-08	2.45E-06	1.82E-05
360.765	4247.037	2.30E-06	1.22E-05	1.70E-06	7.06E-08	1.83E-06	1.82E-05
359.5	4248	2.84E-06	9.24E-06	2.94E-06	1.56E-07	2.96E-06	1.81E-05
361.6	4247.1	3.15E-06	1.03E-05	2.32E-06	1.02E-07	2.30E-06	1.81E-05
361.5	4249.2	3.64E-06	6.40E-06	5.03E-06	5.00E-07	2.57E-06	1.81E-05
361.6	4247.4	3.07E-06	1.00E-05	2.66E-06	1.31E-07	2.26E-06	1.81E-05
361	4246.9	3.34E-06	1.07E-05	1.57E-06	6.35E-08	2.41E-06	1.81E-05
359.8	4249.4	3.69E-06	5.94E-06	4.84E-06	6.24E-07	2.97E-06	1.81E-05
361.1	4246.9	3.19E-06	1.08E-05	1.67E-06	6.73E-08	2.32E-06	1.80E-05
360.277	4249.8	3.76E-06	5.87E-06	4.73E-06	7.56E-07	2.83E-06	1.79E-05
361.7	4247.8	2.39E-06	9.76E-06	3.70E-06	1.94E-07	1.84E-06	1.79E-05
359.5	4247.9	2.95E-06	8.90E-06	2.78E-06	1.43E-07	3.10E-06	1.79E-05
359.5	4247.8	3.10E-06	8.70E-06	2.56E-06	1.27E-07	3.38E-06	1.79E-05
361.2	4246.9	3.12E-06	1.06E-05	1.77E-06	7.26E-08	2.28E-06	1.79E-05
360.35	4249.797	3.91E-06	5.88E-06	4.32E-06	7.68E-07	2.95E-06	1.78E-05
361	4249.9	4.05E-06	5.93E-06	4.45E-06	5.53E-07	2.85E-06	1.78E-05
361.8	4248	2.31E-06	9.88E-06	3.59E-06	2.12E-07	1.81E-06	1.78E-05

TASK 1
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361.4	4249.3	3.40E-06	6.34E-06	5.03E-06	5.82E-07	2.43E-06	1.78E-05
359.6	4249	3.42E-06	6.63E-06	4.37E-06	4.53E-07	2.90E-06	1.78E-05
360.4	4249.8	3.96E-06	5.86E-06	4.24E-06	6.56E-07	3.00E-06	1.77E-05
360.5	4249.9	3.81E-06	5.82E-06	4.47E-06	7.19E-07	2.86E-06	1.77E-05
359.7	4249.2	3.45E-06	6.25E-06	4.64E-06	5.66E-07	2.75E-06	1.76E-05
360.6	4250	3.66E-06	5.78E-06	4.75E-06	6.31E-07	2.70E-06	1.75E-05
361.4	4246.9	3.23E-06	9.92E-06	1.94E-06	8.17E-08	2.33E-06	1.75E-05
360.7	4250	3.63E-06	5.87E-06	4.72E-06	6.03E-07	2.65E-06	1.75E-05
361.8	4248.2	2.80E-06	8.73E-06	3.56E-06	2.38E-07	2.14E-06	1.75E-05
360.8	4247	2.35E-06	1.15E-05	1.64E-06	6.78E-08	1.86E-06	1.75E-05
361.6	4247	3.25E-06	9.60E-06	2.17E-06	9.37E-08	2.33E-06	1.74E-05
361.8	4248.1	2.50E-06	9.16E-06	3.58E-06	2.28E-07	1.96E-06	1.74E-05
361.8	4247.9	2.21E-06	9.76E-06	3.50E-06	1.92E-07	1.71E-06	1.74E-05
361.8	4248.3	3.05E-06	8.25E-06	3.55E-06	2.47E-07	2.27E-06	1.74E-05
361.7	4248.8	2.89E-06	7.59E-06	4.45E-06	3.57E-07	2.08E-06	1.74E-05
361.6	4249.1	3.32E-06	6.49E-06	4.76E-06	4.43E-07	2.35E-06	1.74E-05
361.1	4249.8	3.73E-06	5.92E-06	4.49E-06	5.98E-07	2.62E-06	1.74E-05
359.501	4248.764	3.36E-06	6.52E-06	3.85E-06	3.39E-07	3.23E-06	1.73E-05
361.6	4247.7	2.44E-06	9.22E-06	3.56E-06	1.87E-07	1.85E-06	1.73E-05
359.7	4249.3	3.45E-06	5.91E-06	4.59E-06	5.42E-07	2.76E-06	1.73E-05
359.5	4248.8	3.39E-06	6.43E-06	3.82E-06	3.44E-07	3.26E-06	1.72E-05
360.2	4249.8	3.64E-06	5.58E-06	4.53E-06	6.76E-07	2.72E-06	1.71E-05
361.8	4248.4	3.11E-06	7.82E-06	3.61E-06	2.54E-07	2.29E-06	1.71E-05
361.3	4249.6	3.75E-06	5.72E-06	4.39E-06	6.26E-07	2.58E-06	1.71E-05
361.5	4246.9	3.20E-06	9.45E-06	1.99E-06	8.41E-08	2.29E-06	1.70E-05
361.7	4247.1	3.07E-06	9.44E-06	2.17E-06	9.96E-08	2.23E-06	1.70E-05
360.5	4250	3.63E-06	5.55E-06	4.50E-06	6.12E-07	2.71E-06	1.70E-05
361.7	4247.2	2.89E-06	9.61E-06	2.25E-06	1.07E-07	2.13E-06	1.70E-05
361.3	4246.8	3.40E-06	9.37E-06	1.66E-06	6.97E-08	2.41E-06	1.69E-05
360.8	4250	3.53E-06	5.82E-06	4.41E-06	5.62E-07	2.57E-06	1.69E-05
359.6	4249.1	3.31E-06	6.20E-06	4.23E-06	4.53E-07	2.70E-06	1.69E-05
361.8	4248.5	3.08E-06	7.57E-06	3.71E-06	2.66E-07	2.26E-06	1.69E-05
361.2	4249.7	3.58E-06	5.81E-06	4.35E-06	6.31E-07	2.50E-06	1.69E-05
359.495	4247.725	2.93E-06	8.08E-06	2.41E-06	1.12E-07	3.34E-06	1.69E-05
361.6	4247.5	2.70E-06	9.12E-06	2.86E-06	1.47E-07	2.03E-06	1.69E-05
359.459	4247.985	2.69E-06	8.50E-06	2.74E-06	1.45E-07	2.77E-06	1.68E-05
360.9	4250	3.72E-06	5.73E-06	4.18E-06	5.16E-07	2.68E-06	1.68E-05
361.6	4249.2	3.55E-06	5.96E-06	4.40E-06	4.11E-07	2.47E-06	1.68E-05
361.7	4248.9	2.87E-06	7.06E-06	4.32E-06	3.71E-07	2.06E-06	1.67E-05
361.6	4246.9	3.29E-06	8.96E-06	2.00E-06	8.58E-08	2.33E-06	1.67E-05
361.4	4249.4	3.38E-06	5.87E-06	4.48E-06	5.43E-07	2.37E-06	1.66E-05
360.9	4246.9	2.73E-06	1.03E-05	1.50E-06	6.16E-08	2.05E-06	1.66E-05
361.7	4247.3	2.78E-06	9.31E-06	2.36E-06	1.15E-07	2.06E-06	1.66E-05
361.7	4247	3.18E-06	8.98E-06	2.07E-06	9.31E-08	2.28E-06	1.66E-05
361.5	4249.3	3.42E-06	5.85E-06	4.45E-06	4.66E-07	2.41E-06	1.66E-05
361.8	4248.6	2.95E-06	7.41E-06	3.81E-06	2.71E-07	2.15E-06	1.66E-05
361.8	4248.7	3.03E-06	7.26E-06	3.86E-06	2.76E-07	2.15E-06	1.66E-05
361.4	4246.8	3.30E-06	9.10E-06	1.73E-06	7.39E-08	2.35E-06	1.66E-05
360.186	4249.823	3.57E-06	5.37E-06	4.31E-06	6.31E-07	2.67E-06	1.65E-05
361.2	4246.8	3.15E-06	9.49E-06	1.57E-06	6.46E-08	2.27E-06	1.65E-05
359.5	4248.9	3.26E-06	6.15E-06	3.73E-06	3.53E-07	3.01E-06	1.65E-05
359.849	4249.506	3.38E-06	5.44E-06	4.36E-06	6.02E-07	2.68E-06	1.65E-05
361.8	4247.8	2.25E-06	8.85E-06	3.31E-06	1.77E-07	1.73E-06	1.63E-05
361.6	4247.6	2.47E-06	8.64E-06	3.14E-06	1.66E-07	1.86E-06	1.63E-05
361.1	4246.8	3.00E-06	9.47E-06	1.47E-06	6.00E-08	2.17E-06	1.62E-05
361.4	4249.5	3.56E-06	5.52E-06	4.13E-06	5.17E-07	2.45E-06	1.62E-05
361.9	4248	2.23E-06	8.85E-06	3.13E-06	1.91E-07	1.73E-06	1.61E-05
361.5	4246.8	3.20E-06	8.76E-06	1.79E-06	7.66E-08	2.27E-06	1.61E-05
360.4	4249.9	3.65E-06	5.34E-06	3.77E-06	5.44E-07	2.76E-06	1.61E-05
361.7	4249	2.85E-06	6.54E-06	4.27E-06	3.77E-07	2.03E-06	1.61E-05
361	4246.8	3.11E-06	9.26E-06	1.38E-06	5.70E-08	2.24E-06	1.61E-05
361.1	4249.9	3.46E-06	5.55E-06	4.03E-06	5.07E-07	2.46E-06	1.60E-05
360.7	4250.1	3.41E-06	5.41E-06	4.19E-06	5.11E-07	2.48E-06	1.60E-05
361	4250	3.52E-06	5.53E-06	3.96E-06	4.72E-07	2.53E-06	1.60E-05
359.7	4249.4	3.32E-06	5.38E-06	4.13E-06	5.03E-07	2.66E-06	1.60E-05
361.7	4247.4	2.72E-06	8.60E-06	2.52E-06	1.27E-07	2.01E-06	1.60E-05
361.2	4249.8	3.54E-06	5.45E-06	3.90E-06	5.37E-07	2.45E-06	1.59E-05
360.5	4247.189	1.80E-06	1.11E-05	1.44E-06	6.25E-08	1.48E-06	1.59E-05
361.7	4247.7	2.30E-06	8.30E-06	3.34E-06	1.77E-07	1.75E-06	1.59E-05
361.9	4248.1	2.41E-06	8.27E-06	3.10E-06	2.00E-07	1.87E-06	1.59E-05
359.425	4247.89	2.75E-06	7.82E-06	2.42E-06	1.30E-07	2.74E-06	1.59E-05
361.3	4249.7	3.57E-06	5.37E-06	3.89E-06	5.55E-07	2.45E-06	1.58E-05

TASK 1
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361.8	4248.8	2.77E-06	6.98E-06	3.79E-06	2.95E-07	1.98E-06	1.58E-05
361.8	4247.1	2.91E-06	8.66E-06	2.02E-06	9.59E-08	2.11E-06	1.58E-05
361.4	4249.6	3.72E-06	5.24E-06	3.82E-06	5.02E-07	2.52E-06	1.58E-05
361.7	4246.9	3.09E-06	8.44E-06	1.96E-06	8.65E-08	2.20E-06	1.58E-05
361.9	4247.9	2.12E-06	8.72E-06	3.09E-06	1.76E-07	1.64E-06	1.57E-05
359.6	4249.2	3.08E-06	5.69E-06	3.97E-06	4.44E-07	2.46E-06	1.56E-05
361.9	4248.2	2.58E-06	7.84E-06	3.04E-06	2.07E-07	1.97E-06	1.56E-05
359.8	4249.5	3.19E-06	5.24E-06	4.12E-06	5.52E-07	2.52E-06	1.56E-05
361.6	4249.3	3.48E-06	5.40E-06	3.97E-06	3.77E-07	2.40E-06	1.56E-05
361.8	4247	3.02E-06	8.40E-06	1.95E-06	9.05E-08	2.16E-06	1.56E-05
361.3	4246.7	3.30E-06	8.42E-06	1.48E-06	6.26E-08	2.33E-06	1.56E-05
360.76	4246.934	2.09E-06	1.03E-05	1.52E-06	6.31E-08	1.65E-06	1.56E-05
360.8	4250.1	3.31E-06	5.38E-06	3.90E-06	4.77E-07	2.41E-06	1.55E-05
361.8	4247.2	2.76E-06	8.48E-06	2.08E-06	1.02E-07	2.02E-06	1.55E-05
360.6	4250.1	3.35E-06	5.16E-06	3.87E-06	5.29E-07	2.48E-06	1.54E-05
361.6	4246.8	2.99E-06	8.36E-06	1.83E-06	7.85E-08	2.14E-06	1.54E-05
359.836	4249.56	3.23E-06	5.06E-06	3.98E-06	5.43E-07	2.55E-06	1.54E-05
359.462	4247.632	2.59E-06	7.62E-06	2.11E-06	9.49E-08	2.91E-06	1.53E-05
360.41	4247.229	1.56E-06	1.09E-05	1.50E-06	6.92E-08	1.33E-06	1.53E-05
361.7	4249.1	2.82E-06	6.06E-06	4.07E-06	3.69E-07	2.00E-06	1.53E-05
361.2	4246.7	3.18E-06	8.43E-06	1.39E-06	5.79E-08	2.25E-06	1.53E-05
361.4	4246.7	3.09E-06	8.37E-06	1.56E-06	6.69E-08	2.20E-06	1.53E-05
361.9	4248.3	2.59E-06	7.48E-06	3.05E-06	2.12E-07	1.95E-06	1.53E-05
360.9	4250.1	3.34E-06	5.33E-06	3.72E-06	4.40E-07	2.42E-06	1.52E-05
361.3	4249.8	3.68E-06	5.06E-06	3.49E-06	4.83E-07	2.49E-06	1.52E-05
360.8	4246.9	2.16E-06	9.81E-06	1.47E-06	6.09E-08	1.69E-06	1.52E-05
360.2	4249.9	3.29E-06	4.98E-06	3.88E-06	5.55E-07	2.44E-06	1.52E-05
359.6	4249.3	3.10E-06	5.29E-06	3.85E-06	4.30E-07	2.48E-06	1.51E-05
361.5	4249.4	3.18E-06	5.34E-06	3.92E-06	4.31E-07	2.24E-06	1.51E-05
359.5	4249	2.92E-06	5.79E-06	3.53E-06	3.58E-07	2.49E-06	1.51E-05
359.4	4247.8	2.76E-06	7.31E-06	2.18E-06	1.17E-07	2.72E-06	1.51E-05
361.1	4246.7	3.13E-06	8.38E-06	1.30E-06	5.41E-08	2.22E-06	1.51E-05
361.514	4247.077	3.03E-06	7.74E-06	2.00E-06	9.66E-08	2.21E-06	1.51E-05
361.7	4249.2	3.16E-06	5.57E-06	3.79E-06	3.45E-07	2.18E-06	1.51E-05
361.7	4247.5	2.44E-06	7.88E-06	2.73E-06	1.42E-07	1.83E-06	1.50E-05
360.3	4249.9	3.44E-06	5.02E-06	3.43E-06	5.47E-07	2.58E-06	1.50E-05
361.9	4248.4	2.65E-06	7.08E-06	3.10E-06	2.16E-07	1.97E-06	1.50E-05
361.1	4250	3.30E-06	5.21E-06	3.67E-06	4.35E-07	2.35E-06	1.50E-05
361.9	4248.5	2.74E-06	6.81E-06	3.17E-06	2.24E-07	2.01E-06	1.50E-05
361.8	4248.9	2.54E-06	6.60E-06	3.66E-06	3.07E-07	1.83E-06	1.49E-05
361	4250.1	3.36E-06	5.16E-06	3.55E-06	4.04E-07	2.41E-06	1.49E-05
361.2	4249.9	3.34E-06	5.14E-06	3.57E-06	4.63E-07	2.33E-06	1.48E-05
359.427	4248.61	2.77E-06	6.00E-06	3.30E-06	2.68E-07	2.50E-06	1.48E-05
361.5	4246.7	2.89E-06	8.17E-06	1.62E-06	7.00E-08	2.08E-06	1.48E-05
360.5	4250.1	3.31E-06	4.92E-06	3.59E-06	5.10E-07	2.48E-06	1.48E-05
361.9	4247.8	2.11E-06	7.97E-06	2.95E-06	1.61E-07	1.62E-06	1.48E-05
359.399	4248.787	2.96E-06	5.66E-06	3.19E-06	2.77E-07	2.69E-06	1.48E-05
359.4	4247.7	2.76E-06	6.88E-06	2.03E-06	1.03E-07	2.96E-06	1.47E-05
360.7	4250.2	3.21E-06	5.01E-06	3.74E-06	4.36E-07	2.34E-06	1.47E-05
361.9	4248.7	2.74E-06	6.47E-06	3.29E-06	2.31E-07	1.95E-06	1.47E-05
361.8	4246.9	2.79E-06	7.92E-06	1.86E-06	8.53E-08	2.01E-06	1.47E-05
361.9	4248.6	2.64E-06	6.60E-06	3.24E-06	2.26E-07	1.93E-06	1.46E-05
361.4	4249.7	3.39E-06	4.96E-06	3.48E-06	4.79E-07	2.32E-06	1.46E-05
361.7	4247.6	2.25E-06	7.57E-06	2.93E-06	1.59E-07	1.70E-06	1.46E-05
360.4	4250	3.39E-06	4.87E-06	3.34E-06	4.57E-07	2.55E-06	1.46E-05
359.377	4247.814	2.65E-06	7.13E-06	2.13E-06	1.16E-07	2.58E-06	1.46E-05
361.8	4247.7	2.22E-06	7.48E-06	3.03E-06	1.65E-07	1.70E-06	1.46E-05
359.5	4249.1	2.89E-06	5.47E-06	3.48E-06	3.58E-07	2.38E-06	1.46E-05
360.188	4249.929	3.21E-06	4.78E-06	3.67E-06	5.17E-07	2.38E-06	1.45E-05
361.9	4247	2.81E-06	7.78E-06	1.82E-06	8.69E-08	2.02E-06	1.45E-05
361.7	4246.8	2.76E-06	7.88E-06	1.82E-06	7.98E-08	1.99E-06	1.45E-05
362	4248	2.06E-06	7.94E-06	2.75E-06	1.71E-07	1.60E-06	1.45E-05
359.4	4248.9	2.94E-06	5.46E-06	3.11E-06	2.85E-07	2.72E-06	1.45E-05
361	4246.7	3.01E-06	8.05E-06	1.23E-06	5.17E-08	2.14E-06	1.45E-05
361.9	4248.8	2.72E-06	6.35E-06	3.25E-06	2.47E-07	1.91E-06	1.45E-05
361.1	4250.1	3.45E-06	4.90E-06	3.33E-06	3.75E-07	2.42E-06	1.45E-05
361.9	4247.1	2.72E-06	7.80E-06	1.88E-06	9.21E-08	1.97E-06	1.45E-05
360.9	4250.2	3.37E-06	4.98E-06	3.32E-06	3.78E-07	2.41E-06	1.45E-05
360.9	4246.8	2.49E-06	8.71E-06	1.32E-06	5.56E-08	1.87E-06	1.45E-05
361.8	4247.3	2.44E-06	7.90E-06	2.18E-06	1.11E-07	1.82E-06	1.44E-05
361	4250.2	3.55E-06	4.84E-06	3.17E-06	3.50E-07	2.49E-06	1.44E-05
360.8	4250.2	3.15E-06	5.01E-06	3.51E-06	4.08E-07	2.29E-06	1.44E-05

TASK 1
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
359.827	4249.617	3.09E-06	4.71E-06	3.63E-06	4.91E-07	2.44E-06	1.44E-05
361.6	4246.7	2.79E-06	7.81E-06	1.67E-06	7.22E-08	2.00E-06	1.43E-05
360.6	4250.2	3.16E-06	4.81E-06	3.58E-06	4.49E-07	2.34E-06	1.43E-05
361.8	4249	2.45E-06	6.18E-06	3.63E-06	3.12E-07	1.76E-06	1.43E-05
361.5	4249.5	3.19E-06	4.98E-06	3.52E-06	4.07E-07	2.21E-06	1.43E-05
362	4247.9	2.04E-06	7.80E-06	2.73E-06	1.62E-07	1.57E-06	1.43E-05
361.3	4246.6	3.11E-06	7.62E-06	1.33E-06	5.64E-08	2.18E-06	1.43E-05
361.5	4249.6	3.51E-06	4.75E-06	3.27E-06	3.97E-07	2.37E-06	1.43E-05
362	4248.1	2.17E-06	7.53E-06	2.71E-06	1.75E-07	1.69E-06	1.43E-05
359.4	4248.6	2.66E-06	5.81E-06	3.13E-06	2.52E-07	2.41E-06	1.43E-05
361.7	4249.3	3.21E-06	5.03E-06	3.47E-06	3.15E-07	2.19E-06	1.42E-05
361.4	4246.6	2.96E-06	7.64E-06	1.41E-06	6.07E-08	2.10E-06	1.42E-05
359.6	4249.4	2.99E-06	4.85E-06	3.53E-06	4.07E-07	2.37E-06	1.41E-05
361.6	4249.4	3.23E-06	4.87E-06	3.48E-06	3.47E-07	2.22E-06	1.41E-05
359.7	4249.5	2.92E-06	4.80E-06	3.64E-06	4.55E-07	2.31E-06	1.41E-05
361.2	4250	3.29E-06	4.86E-06	3.29E-06	3.96E-07	2.29E-06	1.41E-05
361.1	4250.2	3.65E-06	4.61E-06	3.03E-06	3.29E-07	2.51E-06	1.41E-05
359.8	4249.6	3.00E-06	4.68E-06	3.59E-06	4.80E-07	2.36E-06	1.41E-05
361.5	4246.6	2.91E-06	7.57E-06	1.47E-06	6.41E-08	2.07E-06	1.41E-05
359.4	4247.6	2.47E-06	6.90E-06	1.87E-06	8.84E-08	2.69E-06	1.40E-05
361.8	4247.4	2.49E-06	7.23E-06	2.35E-06	1.22E-07	1.83E-06	1.40E-05
361.3	4249.9	3.33E-06	4.79E-06	3.18E-06	4.14E-07	2.29E-06	1.40E-05
361.2	4250.1	3.60E-06	4.58E-06	3.01E-06	3.47E-07	2.45E-06	1.40E-05
359.429	4247.54	2.22E-06	7.39E-06	1.83E-06	8.08E-08	2.41E-06	1.39E-05
361.4	4249.8	3.33E-06	4.72E-06	3.18E-06	4.33E-07	2.27E-06	1.39E-05
361.7	4246.7	2.76E-06	7.40E-06	1.69E-06	7.38E-08	1.98E-06	1.39E-05
361.9	4248.9	2.53E-06	6.12E-06	3.15E-06	2.56E-07	1.79E-06	1.39E-05
361.6	4246.6	2.86E-06	7.36E-06	1.52E-06	6.66E-08	2.03E-06	1.38E-05
361.2	4246.6	2.92E-06	7.55E-06	1.24E-06	5.23E-08	2.07E-06	1.38E-05
362	4248.2	2.20E-06	7.07E-06	2.64E-06	1.80E-07	1.71E-06	1.38E-05
361.8	4246.8	2.60E-06	7.44E-06	1.77E-06	8.01E-08	1.89E-06	1.38E-05
361.8	4249.1	2.42E-06	5.73E-06	3.53E-06	3.10E-07	1.73E-06	1.37E-05
361.9	4246.9	2.56E-06	7.45E-06	1.76E-06	8.24E-08	1.87E-06	1.37E-05
360.5	4250.2	3.11E-06	4.55E-06	3.29E-06	4.32E-07	2.32E-06	1.37E-05
361	4250.3	3.55E-06	4.52E-06	2.88E-06	3.06E-07	2.46E-06	1.37E-05
360.2	4250	3.09E-06	4.49E-06	3.39E-06	4.65E-07	2.28E-06	1.37E-05
361.2	4250.2	3.74E-06	4.33E-06	2.79E-06	3.08E-07	2.51E-06	1.37E-05
360.49	4247.124	1.70E-06	9.19E-06	1.35E-06	5.78E-08	1.37E-06	1.37E-05
361.9	4247.2	2.48E-06	7.34E-06	1.92E-06	9.82E-08	1.81E-06	1.36E-05
360.7	4250.3	3.03E-06	4.66E-06	3.37E-06	3.79E-07	2.21E-06	1.36E-05
359.362	4248.505	2.40E-06	5.96E-06	2.81E-06	2.20E-07	2.22E-06	1.36E-05
360.9	4250.3	3.26E-06	4.65E-06	3.01E-06	3.31E-07	2.33E-06	1.36E-05
362	4248.5	2.57E-06	6.16E-06	2.76E-06	1.92E-07	1.87E-06	1.36E-05
360.4	4250.1	3.16E-06	4.52E-06	3.06E-06	4.19E-07	2.37E-06	1.35E-05
362	4248.4	2.43E-06	6.42E-06	2.71E-06	1.86E-07	1.79E-06	1.35E-05
362	4248.3	2.22E-06	6.77E-06	2.66E-06	1.82E-07	1.69E-06	1.35E-05
362	4247.8	1.99E-06	7.22E-06	2.65E-06	1.48E-07	1.52E-06	1.35E-05
360.8	4250.3	3.04E-06	4.70E-06	3.22E-06	3.57E-07	2.20E-06	1.35E-05
361.8	4246.7	2.77E-06	7.02E-06	1.67E-06	7.48E-08	1.97E-06	1.35E-05
359.818	4249.667	2.96E-06	4.42E-06	3.33E-06	4.49E-07	2.33E-06	1.35E-05
361.5	4249.7	3.26E-06	4.56E-06	3.07E-06	3.86E-07	2.21E-06	1.35E-05
359.36	4248.7	2.54E-06	5.42E-06	2.99E-06	2.46E-07	2.27E-06	1.35E-05
361.9	4249	2.52E-06	5.81E-06	3.10E-06	2.60E-07	1.77E-06	1.35E-05
361.7	4246.6	2.81E-06	7.03E-06	1.55E-06	6.83E-08	1.99E-06	1.35E-05
359.5	4249.2	2.69E-06	5.00E-06	3.26E-06	3.53E-07	2.15E-06	1.35E-05
360.754	4246.831	1.85E-06	8.71E-06	1.37E-06	5.67E-08	1.45E-06	1.34E-05
360.3	4250	3.16E-06	4.51E-06	2.96E-06	4.23E-07	2.36E-06	1.34E-05
361.8	4247.5	2.25E-06	6.73E-06	2.55E-06	1.35E-07	1.69E-06	1.34E-05
361.1	4250.3	3.56E-06	4.32E-06	2.77E-06	2.83E-07	2.43E-06	1.34E-05
361.8	4249.2	2.64E-06	5.26E-06	3.30E-06	2.94E-07	1.83E-06	1.33E-05
362.1	4248	2.05E-06	7.12E-06	2.42E-06	1.52E-07	1.57E-06	1.33E-05
359.302	4248.014	2.29E-06	6.53E-06	2.15E-06	1.21E-07	2.21E-06	1.33E-05
361.3	4246.5	3.03E-06	6.91E-06	1.20E-06	5.12E-08	2.11E-06	1.33E-05
359.4	4249	2.61E-06	5.15E-06	2.97E-06	2.88E-07	2.26E-06	1.33E-05
361.9	4246.8	2.57E-06	7.07E-06	1.69E-06	7.85E-08	1.86E-06	1.33E-05
361.4	4246.5	2.92E-06	6.95E-06	1.27E-06	5.52E-08	2.05E-06	1.32E-05
359.875	4249.736	2.96E-06	4.31E-06	3.21E-06	4.45E-07	2.32E-06	1.32E-05
361.1	4246.6	2.75E-06	7.32E-06	1.16E-06	4.91E-08	1.96E-06	1.32E-05
361.7	4249.4	3.20E-06	4.53E-06	3.07E-06	2.86E-07	2.15E-06	1.32E-05
361.3	4250	3.24E-06	4.52E-06	2.89E-06	3.52E-07	2.22E-06	1.32E-05
361.8	4247.6	2.11E-06	6.65E-06	2.70E-06	1.50E-07	1.59E-06	1.32E-05
359.329	4247.739	2.49E-06	6.27E-06	1.88E-06	1.03E-07	2.47E-06	1.32E-05

TASK 1
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.6	4250.3	2.96E-06	4.45E-06	3.20E-06	3.87E-07	2.19E-06	1.32E-05
362	4247	2.46E-06	7.14E-06	1.70E-06	8.28E-08	1.80E-06	1.32E-05
362.1	4247.9	2.06E-06	6.99E-06	2.42E-06	1.47E-07	1.56E-06	1.32E-05
361.3	4250.1	3.57E-06	4.26E-06	2.62E-06	3.08E-07	2.39E-06	1.31E-05
361.4	4249.9	3.19E-06	4.49E-06	2.90E-06	3.78E-07	2.18E-06	1.31E-05
360.8	4246.8	1.96E-06	8.26E-06	1.33E-06	5.50E-08	1.53E-06	1.31E-05
362	4248.6	2.41E-06	5.95E-06	2.81E-06	1.92E-07	1.76E-06	1.31E-05
362.1	4248.1	2.10E-06	6.85E-06	2.37E-06	1.55E-07	1.62E-06	1.31E-05
361.9	4246.7	2.76E-06	6.68E-06	1.62E-06	7.44E-08	1.95E-06	1.31E-05
362	4248.8	2.52E-06	5.75E-06	2.82E-06	2.09E-07	1.77E-06	1.31E-05
361.9	4247.7	2.02E-06	6.67E-06	2.69E-06	1.49E-07	1.54E-06	1.31E-05
360.18	4250.032	3.01E-06	4.27E-06	3.15E-06	4.27E-07	2.22E-06	1.31E-05
361.5	4246.5	2.73E-06	6.98E-06	1.34E-06	5.88E-08	1.95E-06	1.30E-05
362	4248.7	2.43E-06	5.81E-06	2.85E-06	1.95E-07	1.75E-06	1.30E-05
359.304	4248.825	2.68E-06	5.01E-06	2.70E-06	2.32E-07	2.35E-06	1.30E-05
361.8	4246.6	2.75E-06	6.65E-06	1.56E-06	6.95E-08	1.94E-06	1.30E-05
360.5	4250.3	2.96E-06	4.27E-06	3.12E-06	3.73E-07	2.20E-06	1.29E-05
361.6	4246.5	2.63E-06	6.93E-06	1.40E-06	6.14E-08	1.88E-06	1.29E-05
361.6	4249.5	2.95E-06	4.49E-06	3.08E-06	3.26E-07	2.04E-06	1.29E-05
359.26	4248.068	2.25E-06	6.26E-06	2.08E-06	1.21E-07	2.15E-06	1.29E-05
362	4246.9	2.36E-06	7.03E-06	1.66E-06	7.88E-08	1.74E-06	1.29E-05
359.3	4248.9	2.66E-06	4.89E-06	2.63E-06	2.34E-07	2.44E-06	1.29E-05
362	4247.1	2.39E-06	6.85E-06	1.72E-06	8.77E-08	1.75E-06	1.28E-05
359.6	4249.5	2.72E-06	4.39E-06	3.16E-06	3.75E-07	2.14E-06	1.28E-05
360.9	4246.7	2.36E-06	7.43E-06	1.19E-06	5.05E-08	1.75E-06	1.28E-05
359.5	4249.3	2.58E-06	4.70E-06	3.13E-06	3.44E-07	2.03E-06	1.28E-05
360.9	4250.4	3.14E-06	4.35E-06	2.76E-06	2.90E-07	2.23E-06	1.28E-05
361.9	4249.1	2.31E-06	5.47E-06	3.09E-06	2.62E-07	1.64E-06	1.28E-05
362	4248.9	2.47E-06	5.61E-06	2.74E-06	2.18E-07	1.73E-06	1.28E-05
359.8	4249.7	2.82E-06	4.20E-06	3.11E-06	4.16E-07	2.21E-06	1.27E-05
361	4250.4	3.36E-06	4.21E-06	2.58E-06	2.65E-07	2.32E-06	1.27E-05
361.6	4249.6	3.12E-06	4.28E-06	2.83E-06	3.16E-07	2.11E-06	1.27E-05
362	4246.8	2.49E-06	6.71E-06	1.60E-06	7.55E-08	1.80E-06	1.27E-05
359.4	4247.5	2.01E-06	6.80E-06	1.65E-06	7.49E-08	2.11E-06	1.27E-05
361.6	4249.7	3.32E-06	4.14E-06	2.67E-06	3.07E-07	2.21E-06	1.26E-05
359.7	4249.6	2.67E-06	4.30E-06	3.17E-06	4.03E-07	2.10E-06	1.26E-05
361.2	4246.5	2.74E-06	6.80E-06	1.11E-06	4.76E-08	1.93E-06	1.26E-05
360.4	4250.2	2.97E-06	4.21E-06	2.83E-06	3.84E-07	2.22E-06	1.26E-05
359.3	4247.6	2.48E-06	5.88E-06	1.65E-06	8.54E-08	2.52E-06	1.26E-05
359.4	4249.1	2.53E-06	4.85E-06	2.86E-06	2.88E-07	2.08E-06	1.26E-05
361.5	4249.8	2.97E-06	4.38E-06	2.85E-06	3.61E-07	2.04E-06	1.26E-05
360.8	4250.4	2.86E-06	4.39E-06	2.96E-06	3.14E-07	2.07E-06	1.26E-05
361.7	4246.5	2.55E-06	6.69E-06	1.44E-06	6.33E-08	1.83E-06	1.26E-05
361.2	4250.3	3.39E-06	4.06E-06	2.57E-06	2.64E-07	2.29E-06	1.26E-05
361.8	4249.3	2.65E-06	4.78E-06	3.04E-06	2.69E-07	1.82E-06	1.26E-05
361.9	4247.3	2.18E-06	6.65E-06	2.00E-06	1.05E-07	1.62E-06	1.26E-05
360.2	4250.1	2.91E-06	4.09E-06	2.99E-06	3.94E-07	2.14E-06	1.25E-05
362.1	4247.8	1.95E-06	6.53E-06	2.38E-06	1.37E-07	1.49E-06	1.25E-05
362	4246.7	2.63E-06	6.36E-06	1.54E-06	7.24E-08	1.87E-06	1.25E-05
359.806	4249.729	2.79E-06	4.09E-06	3.01E-06	4.03E-07	2.17E-06	1.25E-05
360.293	4247.104	1.59E-06	7.13E-06	2.20E-06	6.52E-08	1.48E-06	1.25E-05
360.238	4247.099	1.70E-06	6.64E-06	2.35E-06	6.34E-08	1.70E-06	1.25E-05
361.4	4250	3.16E-06	4.23E-06	2.59E-06	3.28E-07	2.14E-06	1.25E-05
362.1	4248.2	2.02E-06	6.39E-06	2.30E-06	1.58E-07	1.57E-06	1.24E-05
361	4246.6	2.65E-06	6.76E-06	1.09E-06	4.72E-08	1.89E-06	1.24E-05
362.2	4248	2.13E-06	6.40E-06	2.15E-06	1.35E-07	1.59E-06	1.24E-05
359.258	4248.295	1.92E-06	6.26E-06	2.29E-06	1.54E-07	1.78E-06	1.24E-05
359.281	4247.665	2.48E-06	5.71E-06	1.66E-06	9.21E-08	2.45E-06	1.24E-05
359.3	4248.7	2.36E-06	5.04E-06	2.69E-06	2.19E-07	2.09E-06	1.24E-05
359.301	4248.574	2.24E-06	5.27E-06	2.59E-06	2.05E-07	2.08E-06	1.24E-05
361.4	4246.4	2.82E-06	6.38E-06	1.16E-06	5.04E-08	1.97E-06	1.24E-05
361.3	4250.2	3.37E-06	4.02E-06	2.44E-06	2.70E-07	2.26E-06	1.24E-05
361.5	4246.4	2.72E-06	6.43E-06	1.22E-06	5.39E-08	1.92E-06	1.23E-05
361.4	4250.1	3.45E-06	3.98E-06	2.33E-06	2.79E-07	2.28E-06	1.23E-05
360.3	4250.1	2.93E-06	4.14E-06	2.69E-06	3.65E-07	2.19E-06	1.23E-05
361.9	4246.6	2.58E-06	6.30E-06	1.54E-06	7.00E-08	1.83E-06	1.23E-05
362.2	4248.1	2.18E-06	6.27E-06	2.09E-06	1.38E-07	1.64E-06	1.23E-05
359.5	4249.4	2.57E-06	4.36E-06	3.01E-06	3.30E-07	2.02E-06	1.23E-05
359.3	4248.6	2.23E-06	5.18E-06	2.61E-06	2.08E-07	2.07E-06	1.23E-05
361.6	4246.4	2.63E-06	6.45E-06	1.29E-06	5.68E-08	1.87E-06	1.23E-05
359.86	4249.794	2.79E-06	4.00E-06	2.91E-06	3.99E-07	2.17E-06	1.23E-05
362.1	4248.5	2.35E-06	5.62E-06	2.42E-06	1.65E-07	1.70E-06	1.23E-05

TASK 1
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361.1	4250.4	3.30E-06	4.00E-06	2.45E-06	2.42E-07	2.26E-06	1.23E-05
362.1	4248.4	2.22E-06	5.86E-06	2.38E-06	1.60E-07	1.64E-06	1.23E-05
361.3	4246.4	2.82E-06	6.28E-06	1.08E-06	4.68E-08	1.96E-06	1.22E-05
362	4249	2.29E-06	5.38E-06	2.67E-06	2.19E-07	1.61E-06	1.22E-05
362.2	4247.9	2.06E-06	6.27E-06	2.16E-06	1.33E-07	1.54E-06	1.22E-05
361.8	4249.4	2.89E-06	4.34E-06	2.74E-06	2.44E-07	1.94E-06	1.21E-05
360.091	4250.02	2.89E-06	3.93E-06	2.81E-06	3.87E-07	2.13E-06	1.21E-05
361.8	4246.5	2.50E-06	6.33E-06	1.45E-06	6.46E-08	1.78E-06	1.21E-05
362.1	4248.3	1.99E-06	6.12E-06	2.33E-06	1.58E-07	1.53E-06	1.21E-05
359.4	4249.2	2.46E-06	4.55E-06	2.81E-06	2.85E-07	1.98E-06	1.21E-05
361.7	4249.5	2.94E-06	4.15E-06	2.72E-06	2.67E-07	1.99E-06	1.21E-05
362	4247.7	1.94E-06	6.06E-06	2.43E-06	1.35E-07	1.46E-06	1.20E-05
362.1	4246.8	2.37E-06	6.34E-06	1.51E-06	7.21E-08	1.72E-06	1.20E-05
362.1	4246.9	2.24E-06	6.51E-06	1.55E-06	7.50E-08	1.65E-06	1.20E-05
360.9	4250.5	3.00E-06	4.09E-06	2.55E-06	2.59E-07	2.12E-06	1.20E-05
361.9	4247.4	2.13E-06	6.06E-06	2.13E-06	1.14E-07	1.57E-06	1.20E-05
361	4250.5	3.25E-06	3.93E-06	2.33E-06	2.35E-07	2.24E-06	1.20E-05
361.9	4249.2	2.18E-06	5.07E-06	2.94E-06	2.54E-07	1.54E-06	1.20E-05
359.2	4248.2	2.02E-06	5.88E-06	2.04E-06	1.30E-07	1.87E-06	1.19E-05
362	4247.2	2.23E-06	6.23E-06	1.75E-06	9.30E-08	1.63E-06	1.19E-05
360.395	4247.146	1.46E-06	7.75E-06	1.42E-06	6.29E-08	1.23E-06	1.19E-05
360.6	4250.4	2.74E-06	4.06E-06	2.75E-06	3.28E-07	2.04E-06	1.19E-05
359.197	4248.226	2.01E-06	5.86E-06	2.05E-06	1.32E-07	1.85E-06	1.19E-05
360.5	4250.4	2.77E-06	3.95E-06	2.81E-06	3.24E-07	2.06E-06	1.19E-05
361.7	4246.4	2.42E-06	6.35E-06	1.33E-06	5.88E-08	1.74E-06	1.19E-05
362.1	4248.6	2.21E-06	5.44E-06	2.46E-06	1.64E-07	1.61E-06	1.19E-05
361.5	4249.9	2.83E-06	4.17E-06	2.60E-06	3.35E-07	1.95E-06	1.19E-05
359.248	4247.823	2.10E-06	5.82E-06	1.77E-06	9.98E-08	2.07E-06	1.19E-05
359.3	4249	2.39E-06	4.62E-06	2.51E-06	2.34E-07	2.10E-06	1.18E-05
361.6	4249.8	3.03E-06	3.99E-06	2.48E-06	2.92E-07	2.04E-06	1.18E-05
362.1	4248.8	2.33E-06	5.19E-06	2.47E-06	1.79E-07	1.65E-06	1.18E-05
362.1	4246.7	2.46E-06	6.06E-06	1.46E-06	6.96E-08	1.76E-06	1.18E-05
360.7	4250.4	2.71E-06	4.14E-06	2.67E-06	2.88E-07	1.99E-06	1.18E-05
360.4	4250.3	2.79E-06	3.93E-06	2.64E-06	3.44E-07	2.09E-06	1.18E-05
361.9	4247.6	1.96E-06	5.81E-06	2.41E-06	1.37E-07	1.47E-06	1.18E-05
362.1	4247	2.18E-06	6.34E-06	1.57E-06	7.85E-08	1.61E-06	1.18E-05
359.196	4248.17	1.98E-06	5.81E-06	2.00E-06	1.25E-07	1.85E-06	1.18E-05
359.292	4247.507	2.16E-06	5.79E-06	1.51E-06	7.36E-08	2.22E-06	1.18E-05
360.8	4250.5	2.69E-06	4.12E-06	2.70E-06	2.79E-07	1.94E-06	1.17E-05
362	4246.6	2.42E-06	6.02E-06	1.48E-06	6.93E-08	1.73E-06	1.17E-05
359.2	4248.1	1.98E-06	5.77E-06	1.93E-06	1.17E-07	1.91E-06	1.17E-05
359.233	4247.589	2.39E-06	5.35E-06	1.52E-06	8.16E-08	2.36E-06	1.17E-05
359.261	4248.605	2.12E-06	4.97E-06	2.45E-06	1.94E-07	1.96E-06	1.17E-05
359.4	4249.3	2.46E-06	4.26E-06	2.73E-06	2.78E-07	1.97E-06	1.17E-05
362	4249.1	2.16E-06	5.13E-06	2.66E-06	2.23E-07	1.53E-06	1.17E-05
362.1	4248.7	2.18E-06	5.28E-06	2.49E-06	1.67E-07	1.58E-06	1.17E-05
362.2	4248.2	2.08E-06	5.85E-06	2.04E-06	1.39E-07	1.58E-06	1.17E-05
362.1	4248.9	2.35E-06	5.11E-06	2.39E-06	1.87E-07	1.64E-06	1.17E-05
361.9	4247.5	2.01E-06	5.73E-06	2.28E-06	1.25E-07	1.49E-06	1.16E-05
359.2	4248.3	1.85E-06	5.82E-06	2.10E-06	1.42E-07	1.67E-06	1.16E-05
361.2	4250.4	3.15E-06	3.78E-06	2.29E-06	2.25E-07	2.14E-06	1.16E-05
361.9	4246.5	2.35E-06	6.01E-06	1.45E-06	6.55E-08	1.69E-06	1.16E-05
359.5	4249.5	2.51E-06	4.02E-06	2.75E-06	3.10E-07	1.96E-06	1.16E-05
361.8	4249.5	2.94E-06	3.98E-06	2.45E-06	2.24E-07	1.95E-06	1.15E-05
359.213	4247.902	2.04E-06	5.66E-06	1.78E-06	9.90E-08	1.96E-06	1.15E-05
361.1	4246.5	2.38E-06	6.36E-06	1.04E-06	4.49E-08	1.71E-06	1.15E-05
361.5	4250	2.93E-06	3.95E-06	2.36E-06	3.04E-07	1.98E-06	1.15E-05
359.7	4249.7	2.54E-06	3.87E-06	2.78E-06	3.55E-07	1.98E-06	1.15E-05
361.9	4249.3	2.32E-06	4.63E-06	2.72E-06	2.36E-07	1.60E-06	1.15E-05
359.8	4249.8	2.63E-06	3.77E-06	2.72E-06	3.62E-07	2.03E-06	1.15E-05
360.3	4250.2	2.74E-06	3.87E-06	2.49E-06	3.41E-07	2.05E-06	1.15E-05
361.2	4246.4	2.59E-06	6.04E-06	1.00E-06	4.36E-08	1.81E-06	1.15E-05
360.2	4250.2	2.72E-06	3.76E-06	2.66E-06	3.40E-07	2.00E-06	1.15E-05
362.3	4248	2.13E-06	5.76E-06	1.90E-06	1.22E-07	1.56E-06	1.15E-05
361.4	4246.3	2.65E-06	5.88E-06	1.06E-06	4.62E-08	1.84E-06	1.15E-05
362.2	4247.8	1.87E-06	5.91E-06	2.14E-06	1.27E-07	1.42E-06	1.15E-05
361.3	4250.3	3.09E-06	3.79E-06	2.26E-06	2.36E-07	2.09E-06	1.15E-05
361.8	4246.4	2.29E-06	6.09E-06	1.35E-06	6.01E-08	1.65E-06	1.14E-05
360.749	4246.728	1.69E-06	7.15E-06	1.23E-06	5.12E-08	1.30E-06	1.14E-05
361.4	4250.2	3.19E-06	3.75E-06	2.12E-06	2.35E-07	2.13E-06	1.14E-05
362.3	4248.1	2.14E-06	5.73E-06	1.85E-06	1.23E-07	1.59E-06	1.14E-05
360.8	4246.7	1.82E-06	6.96E-06	1.20E-06	5.00E-08	1.39E-06	1.14E-05

TASK 1
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
362.2	4246.8	2.28E-06	5.96E-06	1.43E-06	6.89E-08	1.65E-06	1.14E-05
361.7	4249.7	3.02E-06	3.77E-06	2.33E-06	2.50E-07	2.01E-06	1.14E-05
359.6	4249.6	2.41E-06	3.95E-06	2.79E-06	3.39E-07	1.88E-06	1.14E-05
361.5	4246.3	2.50E-06	5.93E-06	1.12E-06	4.95E-08	1.76E-06	1.14E-05
361.5	4250.1	3.14E-06	3.74E-06	2.15E-06	2.58E-07	2.08E-06	1.14E-05
360.9	4250.6	2.86E-06	3.86E-06	2.39E-06	2.33E-07	2.02E-06	1.14E-05
361.1	4250.5	3.12E-06	3.72E-06	2.18E-06	2.11E-07	2.13E-06	1.14E-05
361.7	4249.6	2.78E-06	3.92E-06	2.49E-06	2.56E-07	1.90E-06	1.13E-05
362.2	4248.4	2.15E-06	5.39E-06	2.10E-06	1.40E-07	1.57E-06	1.13E-05
361	4250.6	3.13E-06	3.70E-06	2.16E-06	2.10E-07	2.15E-06	1.13E-05
360.1	4250.1	2.73E-06	3.68E-06	2.57E-06	3.44E-07	2.01E-06	1.13E-05
361.7	4246.3	2.36E-06	5.98E-06	1.24E-06	5.46E-08	1.69E-06	1.13E-05
361.8	4246.3	2.43E-06	5.84E-06	1.27E-06	5.60E-08	1.73E-06	1.13E-05
361.6	4246.3	2.39E-06	5.98E-06	1.18E-06	5.25E-08	1.71E-06	1.13E-05
360.003	4250.007	2.71E-06	3.65E-06	2.55E-06	3.55E-07	2.03E-06	1.13E-05
362.2	4248.5	2.23E-06	5.17E-06	2.14E-06	1.43E-07	1.60E-06	1.13E-05
359.396	4247.448	1.80E-06	6.08E-06	1.49E-06	6.86E-08	1.79E-06	1.12E-05
362.1	4247.7	1.87E-06	5.60E-06	2.23E-06	1.25E-07	1.40E-06	1.12E-05
362	4249.2	2.13E-06	4.80E-06	2.57E-06	2.20E-07	1.49E-06	1.12E-05
362.2	4246.7	2.32E-06	5.77E-06	1.39E-06	6.67E-08	1.67E-06	1.12E-05
362.1	4249	2.23E-06	4.94E-06	2.29E-06	1.86E-07	1.55E-06	1.12E-05
362.2	4248.3	1.94E-06	5.58E-06	2.07E-06	1.38E-07	1.47E-06	1.12E-05
361.9	4249.4	2.55E-06	4.22E-06	2.49E-06	2.13E-07	1.72E-06	1.12E-05
362.3	4247.9	1.99E-06	5.65E-06	1.93E-06	1.20E-07	1.48E-06	1.12E-05
362.2	4246.9	2.18E-06	5.87E-06	1.44E-06	7.12E-08	1.59E-06	1.12E-05
361.8	4246.2	2.57E-06	5.55E-06	1.18E-06	5.24E-08	1.80E-06	1.12E-05
361.7	4246.2	2.54E-06	5.61E-06	1.15E-06	5.08E-08	1.78E-06	1.11E-05
360.428	4247.101	1.49E-06	7.07E-06	1.29E-06	5.43E-08	1.22E-06	1.11E-05
362.1	4247.1	2.08E-06	5.85E-06	1.57E-06	8.24E-08	1.53E-06	1.11E-05
362.1	4246.6	2.23E-06	5.78E-06	1.41E-06	6.72E-08	1.62E-06	1.11E-05
360.6	4250.5	2.58E-06	3.79E-06	2.51E-06	2.86E-07	1.92E-06	1.11E-05
359.2	4248	1.82E-06	5.55E-06	1.84E-06	1.05E-07	1.77E-06	1.11E-05
359.183	4248.344	1.73E-06	5.56E-06	2.06E-06	1.44E-07	1.56E-06	1.11E-05
359.3	4249.1	2.24E-06	4.32E-06	2.38E-06	2.34E-07	1.87E-06	1.10E-05
359.21	4248.621	2.02E-06	4.71E-06	2.27E-06	1.79E-07	1.85E-06	1.10E-05
360.9	4246.6	2.17E-06	6.16E-06	1.07E-06	4.61E-08	1.59E-06	1.10E-05
362	4247.3	2.03E-06	5.59E-06	1.82E-06	9.89E-08	1.48E-06	1.10E-05
360.3	4250.3	2.60E-06	3.69E-06	2.46E-06	3.28E-07	1.93E-06	1.10E-05
362.3	4248.2	2.11E-06	5.38E-06	1.83E-06	1.22E-07	1.57E-06	1.10E-05
360.481	4247.029	1.50E-06	7.02E-06	1.23E-06	5.27E-08	1.20E-06	1.10E-05
361.6	4249.9	2.76E-06	3.80E-06	2.26E-06	2.77E-07	1.88E-06	1.10E-05
361.3	4246.3	2.49E-06	5.73E-06	9.84E-07	4.30E-08	1.74E-06	1.10E-05
362	4246.5	2.18E-06	5.74E-06	1.42E-06	6.57E-08	1.58E-06	1.10E-05
359.894	4247.019	1.73E-06	6.17E-06	1.51E-06	5.13E-08	1.51E-06	1.10E-05
361.9	4246.4	2.19E-06	5.77E-06	1.36E-06	6.11E-08	1.58E-06	1.10E-05
360.8	4250.6	2.53E-06	3.87E-06	2.49E-06	2.51E-07	1.83E-06	1.10E-05
359.84	4249.884	2.54E-06	3.58E-06	2.53E-06	3.40E-07	1.96E-06	1.10E-05
361.9	4249.5	2.77E-06	3.89E-06	2.26E-06	1.94E-07	1.82E-06	1.09E-05
360.237	4246.998	1.66E-06	5.45E-06	2.12E-06	5.64E-08	1.64E-06	1.09E-05
359.2	4247.8	1.94E-06	5.35E-06	1.63E-06	9.33E-08	1.92E-06	1.09E-05
359.4	4249.4	2.31E-06	3.96E-06	2.58E-06	2.70E-07	1.81E-06	1.09E-05
361.2	4250.5	3.07E-06	3.52E-06	2.05E-06	1.94E-07	2.06E-06	1.09E-05
359.3	4249.2	2.29E-06	4.09E-06	2.41E-06	2.32E-07	1.88E-06	1.09E-05
360.7	4250.5	2.53E-06	3.85E-06	2.41E-06	2.34E-07	1.87E-06	1.09E-05
362.2	4248.6	2.08E-06	4.98E-06	2.17E-06	1.41E-07	1.51E-06	1.09E-05
362.1	4249.1	2.21E-06	4.70E-06	2.23E-06	1.86E-07	1.52E-06	1.08E-05
362.2	4248.8	2.18E-06	4.72E-06	2.18E-06	1.55E-07	1.55E-06	1.08E-05
361.991	4248.954	2.26E-06	4.16E-06	2.56E-06	2.17E-07	1.59E-06	1.08E-05
360.5	4250.5	2.56E-06	3.61E-06	2.41E-06	2.79E-07	1.92E-06	1.08E-05
361.3	4250.4	2.95E-06	3.57E-06	2.07E-06	2.06E-07	1.99E-06	1.08E-05
361.9	4246.3	2.25E-06	5.56E-06	1.28E-06	5.70E-08	1.61E-06	1.08E-05
362	4247.6	1.84E-06	5.20E-06	2.19E-06	1.24E-07	1.37E-06	1.07E-05
361.6	4246.2	2.35E-06	5.58E-06	1.10E-06	4.85E-08	1.67E-06	1.07E-05
359.178	4247.981	1.77E-06	5.37E-06	1.77E-06	1.01E-07	1.72E-06	1.07E-05
359.201	4247.714	1.97E-06	5.19E-06	1.54E-06	8.99E-08	1.94E-06	1.07E-05
360.648	4246.731	1.48E-06	6.85E-06	1.21E-06	5.10E-08	1.13E-06	1.07E-05
361.5	4250.2	3.04E-06	3.52E-06	1.93E-06	2.15E-07	2.01E-06	1.07E-05
360.9	4250.7	2.68E-06	3.65E-06	2.23E-06	2.12E-07	1.90E-06	1.07E-05
359.3	4249.3	2.35E-06	3.87E-06	2.33E-06	2.29E-07	1.89E-06	1.07E-05
362.2	4248.7	2.03E-06	4.83E-06	2.19E-06	1.45E-07	1.48E-06	1.07E-05
361	4250.7	2.95E-06	3.49E-06	2.01E-06	1.89E-07	2.03E-06	1.07E-05
360.6	4250.6	2.48E-06	3.62E-06	2.45E-06	2.63E-07	1.84E-06	1.07E-05

TASK 1
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361.1	4250.6	2.99E-06	3.48E-06	1.97E-06	1.85E-07	2.04E-06	1.07E-05
362.2	4247	2.16E-06	5.44E-06	1.42E-06	7.39E-08	1.56E-06	1.07E-05
362	4246.4	2.17E-06	5.50E-06	1.36E-06	6.19E-08	1.56E-06	1.07E-05
360.7	4246.7	1.54E-06	6.69E-06	1.19E-06	4.97E-08	1.18E-06	1.06E-05
360.2	4250.3	2.56E-06	3.48E-06	2.40E-06	2.97E-07	1.87E-06	1.06E-05
361.5	4246.2	2.35E-06	5.51E-06	1.03E-06	4.57E-08	1.66E-06	1.06E-05
361.7	4249.8	2.74E-06	3.61E-06	2.16E-06	2.41E-07	1.85E-06	1.06E-05
360.4	4250.4	2.57E-06	3.56E-06	2.26E-06	2.61E-07	1.93E-06	1.06E-05
362.3	4247.8	1.82E-06	5.34E-06	1.93E-06	1.18E-07	1.38E-06	1.06E-05
361.8	4249.6	2.63E-06	3.72E-06	2.23E-06	2.13E-07	1.78E-06	1.06E-05
361.4	4250.3	2.91E-06	3.55E-06	1.96E-06	2.05E-07	1.95E-06	1.06E-05
359.914	4249.995	2.54E-06	3.42E-06	2.35E-06	3.21E-07	1.92E-06	1.06E-05
362.3	4246.7	2.18E-06	5.43E-06	1.31E-06	6.38E-08	1.57E-06	1.06E-05
359.175	4248.58	1.85E-06	4.69E-06	2.15E-06	1.66E-07	1.70E-06	1.06E-05
362.3	4248.3	2.01E-06	5.10E-06	1.85E-06	1.21E-07	1.48E-06	1.06E-05
361.4	4246.2	2.45E-06	5.39E-06	9.65E-07	4.26E-08	1.70E-06	1.06E-05
362.2	4246.6	2.10E-06	5.52E-06	1.35E-06	6.45E-08	1.53E-06	1.06E-05
361.8	4246.1	2.44E-06	5.24E-06	1.11E-06	4.89E-08	1.71E-06	1.05E-05
361.9	4246.2	2.30E-06	5.36E-06	1.20E-06	5.33E-08	1.63E-06	1.05E-05
362.2	4248.9	2.12E-06	4.65E-06	2.12E-06	1.61E-07	1.49E-06	1.05E-05
362.3	4246.8	2.12E-06	5.48E-06	1.33E-06	6.57E-08	1.54E-06	1.05E-05
362.3	4248.4	2.10E-06	4.93E-06	1.87E-06	1.24E-07	1.51E-06	1.05E-05
362	4246.2	2.43E-06	5.14E-06	1.20E-06	5.42E-08	1.70E-06	1.05E-05
361.7	4246.1	2.45E-06	5.25E-06	1.07E-06	4.72E-08	1.71E-06	1.05E-05
362	4246.3	2.26E-06	5.30E-06	1.28E-06	5.79E-08	1.61E-06	1.05E-05
362.1	4246.5	2.07E-06	5.48E-06	1.37E-06	6.46E-08	1.51E-06	1.05E-05
360.7	4250.6	2.43E-06	3.69E-06	2.33E-06	2.45E-07	1.79E-06	1.05E-05
360.3	4250.4	2.48E-06	3.49E-06	2.40E-06	2.83E-07	1.83E-06	1.05E-05
359.5	4249.6	2.28E-06	3.66E-06	2.47E-06	2.85E-07	1.77E-06	1.05E-05
359.6	4249.7	2.31E-06	3.58E-06	2.48E-06	3.02E-07	1.79E-06	1.05E-05
362.3	4248.5	2.13E-06	4.77E-06	1.91E-06	1.24E-07	1.52E-06	1.05E-05
361	4246.5	2.23E-06	5.60E-06	9.73E-07	4.32E-08	1.60E-06	1.04E-05
362.4	4248	2.00E-06	5.18E-06	1.69E-06	1.10E-07	1.46E-06	1.04E-05
362	4249.3	2.02E-06	4.40E-06	2.40E-06	2.07E-07	1.41E-06	1.04E-05
362	4247.4	1.88E-06	5.17E-06	1.91E-06	1.06E-07	1.37E-06	1.04E-05
362.1	4246.4	2.21E-06	5.26E-06	1.32E-06	6.18E-08	1.57E-06	1.04E-05
362.2	4247.7	1.74E-06	5.19E-06	2.06E-06	1.18E-07	1.31E-06	1.04E-05
362.1	4249.2	2.19E-06	4.38E-06	2.17E-06	1.85E-07	1.49E-06	1.04E-05
359.8	4249.9	2.43E-06	3.41E-06	2.38E-06	3.14E-07	1.87E-06	1.04E-05
359.7	4249.8	2.35E-06	3.48E-06	2.46E-06	3.11E-07	1.81E-06	1.04E-05
362.2	4249	2.21E-06	4.51E-06	2.01E-06	1.58E-07	1.52E-06	1.04E-05
362.4	4247.9	1.99E-06	5.10E-06	1.74E-06	1.09E-07	1.46E-06	1.04E-05
362.1	4246.3	2.32E-06	5.10E-06	1.27E-06	5.85E-08	1.63E-06	1.04E-05
361.6	4250	2.63E-06	3.62E-06	2.08E-06	2.58E-07	1.79E-06	1.04E-05
360.8	4250.7	2.41E-06	3.66E-06	2.34E-06	2.27E-07	1.75E-06	1.04E-05
362.4	4248.1	1.95E-06	5.21E-06	1.65E-06	1.10E-07	1.44E-06	1.04E-05
360.1	4250.2	2.51E-06	3.39E-06	2.29E-06	2.97E-07	1.85E-06	1.03E-05
359.1	4248.3	1.71E-06	5.19E-06	1.82E-06	1.24E-07	1.50E-06	1.03E-05
361.6	4246.1	2.40E-06	5.21E-06	1.01E-06	4.49E-08	1.67E-06	1.03E-05
359.832	4249.938	2.43E-06	3.37E-06	2.34E-06	3.11E-07	1.86E-06	1.03E-05
360	4250.1	2.51E-06	3.35E-06	2.27E-06	3.08E-07	1.87E-06	1.03E-05
359.414	4247.099	1.18E-06	6.87E-06	1.24E-06	4.38E-08	9.54E-07	1.03E-05
362.1	4246.2	2.41E-06	4.94E-06	1.21E-06	5.50E-08	1.67E-06	1.03E-05
361.5	4250.3	3.02E-06	3.34E-06	1.76E-06	1.84E-07	1.98E-06	1.03E-05
361.3	4246.2	2.47E-06	5.16E-06	9.00E-07	3.97E-08	1.70E-06	1.03E-05
359.1	4248.2	1.70E-06	5.12E-06	1.76E-06	1.14E-07	1.59E-06	1.03E-05
359.4	4249.5	2.22E-06	3.67E-06	2.40E-06	2.57E-07	1.72E-06	1.03E-05
361.2	4250.6	2.98E-06	3.29E-06	1.84E-06	1.69E-07	1.99E-06	1.03E-05
361.9	4249.6	2.65E-06	3.62E-06	2.05E-06	1.80E-07	1.76E-06	1.03E-05
362.1	4247.2	1.92E-06	5.24E-06	1.58E-06	8.69E-08	1.41E-06	1.02E-05
359.792	4247.004	1.33E-06	6.36E-06	1.31E-06	4.83E-08	1.19E-06	1.02E-05
361.9	4246.1	2.29E-06	5.14E-06	1.13E-06	5.00E-08	1.62E-06	1.02E-05
362	4247.5	1.80E-06	4.99E-06	2.00E-06	1.15E-07	1.32E-06	1.02E-05
362	4246.1	2.38E-06	4.97E-06	1.13E-06	5.07E-08	1.67E-06	1.02E-05
361.2	4246.3	2.26E-06	5.35E-06	9.14E-07	4.03E-08	1.60E-06	1.02E-05
361.3	4250.5	2.85E-06	3.35E-06	1.89E-06	1.80E-07	1.91E-06	1.02E-05
362.4	4248.2	1.98E-06	4.97E-06	1.65E-06	1.08E-07	1.46E-06	1.02E-05
361.1	4246.4	2.17E-06	5.46E-06	9.34E-07	4.14E-08	1.56E-06	1.02E-05
362	4249.5	2.50E-06	3.75E-06	2.09E-06	1.69E-07	1.65E-06	1.02E-05
362.2	4246.5	2.03E-06	5.27E-06	1.30E-06	6.25E-08	1.48E-06	1.01E-05
361.4	4250.4	2.87E-06	3.37E-06	1.82E-06	1.82E-07	1.91E-06	1.01E-05
362	4249.4	2.17E-06	4.04E-06	2.24E-06	1.87E-07	1.48E-06	1.01E-05

TASK 1
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
362.3	4248.6	2.02E-06	4.59E-06	1.94E-06	1.23E-07	1.45E-06	1.01E-05
362.3	4246.9	2.06E-06	5.18E-06	1.32E-06	6.75E-08	1.49E-06	1.01E-05
360.9	4250.8	2.54E-06	3.46E-06	2.11E-06	1.95E-07	1.80E-06	1.01E-05
361.5	4246.1	2.34E-06	5.12E-06	9.52E-07	4.22E-08	1.63E-06	1.01E-05
359.3	4249.4	2.24E-06	3.63E-06	2.21E-06	2.23E-07	1.76E-06	1.01E-05
361.8	4249.7	2.54E-06	3.52E-06	2.07E-06	2.06E-07	1.73E-06	1.01E-05
361.6	4250.1	2.67E-06	3.44E-06	1.92E-06	2.29E-07	1.80E-06	1.01E-05
359.401	4247.387	1.59E-06	5.56E-06	1.35E-06	6.23E-08	1.48E-06	1.00E-05
360.7	4250.7	2.33E-06	3.52E-06	2.24E-06	2.33E-07	1.72E-06	1.00E-05
362.3	4246.6	1.99E-06	5.24E-06	1.28E-06	6.18E-08	1.46E-06	1.00E-05
362.2	4249.1	2.21E-06	4.27E-06	1.91E-06	1.55E-07	1.50E-06	1.00E-05
361	4250.8	2.75E-06	3.31E-06	1.89E-06	1.74E-07	1.90E-06	1.00E-05
362.2	4246.4	2.12E-06	5.05E-06	1.27E-06	6.05E-08	1.52E-06	1.00E-05
359.1	4247.9	1.79E-06	4.90E-06	1.54E-06	8.69E-08	1.68E-06	1.00E-05
359.107	4248.394	1.58E-06	4.96E-06	1.87E-06	1.34E-07	1.43E-06	9.99E-06
361.8	4246	2.34E-06	4.93E-06	1.03E-06	4.57E-08	1.64E-06	9.98E-06
362.1	4247.6	1.75E-06	4.80E-06	2.02E-06	1.14E-07	1.29E-06	9.98E-06
361.1	4250.7	2.82E-06	3.27E-06	1.79E-06	1.66E-07	1.93E-06	9.97E-06
362.2	4247.1	2.06E-06	4.89E-06	1.41E-06	7.70E-08	1.48E-06	9.92E-06
362.4	4248.3	1.99E-06	4.69E-06	1.67E-06	1.08E-07	1.45E-06	9.90E-06
360.5	4250.6	2.38E-06	3.34E-06	2.15E-06	2.26E-07	1.79E-06	9.89E-06
360.4	4250.5	2.42E-06	3.33E-06	2.08E-06	2.31E-07	1.82E-06	9.88E-06
361.9	4246	2.29E-06	4.87E-06	1.06E-06	4.69E-08	1.61E-06	9.88E-06
361.7	4249.9	2.52E-06	3.43E-06	1.98E-06	2.26E-07	1.72E-06	9.87E-06
360.8	4246.6	1.68E-06	5.82E-06	1.06E-06	4.56E-08	1.26E-06	9.87E-06
359.429	4247.221	1.33E-06	6.19E-06	1.20E-06	5.00E-08	1.10E-06	9.87E-06
362.1	4246.1	2.28E-06	4.77E-06	1.14E-06	5.16E-08	1.59E-06	9.84E-06
362.2	4246.3	2.13E-06	4.89E-06	1.23E-06	5.81E-08	1.51E-06	9.82E-06
362.4	4247.8	1.80E-06	4.82E-06	1.74E-06	1.07E-07	1.35E-06	9.82E-06
360.6	4246.7	1.37E-06	6.21E-06	1.15E-06	4.90E-08	1.04E-06	9.82E-06
359.1	4248.7	1.91E-06	4.08E-06	1.98E-06	1.55E-07	1.68E-06	9.81E-06
361.5	4250.4	2.93E-06	3.18E-06	1.62E-06	1.61E-07	1.91E-06	9.81E-06
359.1	4248.1	1.56E-06	4.96E-06	1.66E-06	1.04E-07	1.49E-06	9.77E-06
362.3	4248.7	1.86E-06	4.47E-06	1.95E-06	1.27E-07	1.36E-06	9.76E-06
362.3	4246.5	1.96E-06	5.05E-06	1.25E-06	6.00E-08	1.44E-06	9.76E-06
360.8	4250.8	2.27E-06	3.45E-06	2.16E-06	2.07E-07	1.65E-06	9.75E-06
362.3	4247.7	1.67E-06	4.80E-06	1.89E-06	1.11E-07	1.27E-06	9.74E-06
362.3	4248.8	1.91E-06	4.37E-06	1.94E-06	1.37E-07	1.38E-06	9.74E-06
361.7	4246	2.22E-06	4.92E-06	9.90E-07	4.39E-08	1.56E-06	9.73E-06
362.2	4246.2	2.19E-06	4.74E-06	1.19E-06	5.54E-08	1.54E-06	9.72E-06
360.2	4250.4	2.37E-06	3.21E-06	2.16E-06	2.57E-07	1.73E-06	9.72E-06
362.4	4246.7	1.94E-06	5.06E-06	1.23E-06	6.08E-08	1.42E-06	9.72E-06
359.1	4248.8	1.92E-06	3.99E-06	1.98E-06	1.61E-07	1.65E-06	9.70E-06
359.1	4248	1.59E-06	4.87E-06	1.62E-06	9.44E-08	1.53E-06	9.70E-06
361.4	4250.5	2.80E-06	3.19E-06	1.69E-06	1.62E-07	1.85E-06	9.70E-06
361.4	4246.1	2.26E-06	4.93E-06	8.87E-07	3.94E-08	1.57E-06	9.70E-06
359.394	4247.029	1.03E-06	6.59E-06	1.19E-06	4.08E-08	8.35E-07	9.68E-06
362	4246	2.23E-06	4.76E-06	1.07E-06	4.77E-08	1.57E-06	9.68E-06
362	4249.6	2.49E-06	3.48E-06	1.91E-06	1.56E-07	1.64E-06	9.67E-06
360.3	4250.5	2.32E-06	3.23E-06	2.15E-06	2.46E-07	1.72E-06	9.67E-06
362.4	4248.4	1.94E-06	4.53E-06	1.67E-06	1.09E-07	1.40E-06	9.66E-06
360.548	4246.735	1.32E-06	6.09E-06	1.16E-06	4.98E-08	1.01E-06	9.64E-06
359.1	4248.9	1.93E-06	3.92E-06	1.93E-06	1.64E-07	1.68E-06	9.63E-06
360.6	4250.7	2.28E-06	3.32E-06	2.11E-06	2.10E-07	1.71E-06	9.63E-06
362.1	4249.3	1.98E-06	4.05E-06	2.06E-06	1.76E-07	1.36E-06	9.62E-06
361.2	4250.7	2.83E-06	3.08E-06	1.66E-06	1.49E-07	1.89E-06	9.62E-06
359.067	4248.643	1.82E-06	4.12E-06	1.89E-06	1.44E-07	1.63E-06	9.60E-06
362.4	4248.5	1.97E-06	4.41E-06	1.71E-06	1.09E-07	1.40E-06	9.60E-06
359.118	4247.685	1.75E-06	4.66E-06	1.38E-06	8.15E-08	1.73E-06	9.60E-06
361.6	4246	2.21E-06	4.85E-06	9.37E-07	4.16E-08	1.55E-06	9.60E-06
361.6	4250.2	2.62E-06	3.27E-06	1.76E-06	1.98E-07	1.75E-06	9.59E-06
362.5	4247.9	1.91E-06	4.62E-06	1.57E-06	9.92E-08	1.39E-06	9.59E-06
362.4	4246.8	1.95E-06	4.93E-06	1.23E-06	6.24E-08	1.41E-06	9.58E-06
361.3	4250.6	2.73E-06	3.14E-06	1.71E-06	1.57E-07	1.83E-06	9.57E-06
362.1	4247.3	1.78E-06	4.75E-06	1.64E-06	9.18E-08	1.30E-06	9.57E-06
359.415	4247.304	1.41E-06	5.65E-06	1.22E-06	5.53E-08	1.22E-06	9.56E-06
361.5	4246	2.32E-06	4.71E-06	8.78E-07	3.91E-08	1.60E-06	9.55E-06
360.1	4250.3	2.34E-06	3.14E-06	2.08E-06	2.59E-07	1.72E-06	9.54E-06
359.4	4249.6	2.11E-06	3.38E-06	2.19E-06	2.41E-07	1.62E-06	9.54E-06
360.4	4250.6	2.32E-06	3.19E-06	2.06E-06	2.34E-07	1.73E-06	9.54E-06
359.6	4249.8	2.16E-06	3.23E-06	2.21E-06	2.67E-07	1.65E-06	9.52E-06
359.079	4248.449	1.55E-06	4.59E-06	1.83E-06	1.34E-07	1.41E-06	9.52E-06

TASK 1
CUMULATIVE ADULT CANCER RISK PER LOCATION

RECEPTOR		ADULT CANCER RISK					CUMULATIVE ADULT CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.302	4247.704	2.32E-06	6.17E-04	3.57E-06	1.04E-07	2.38E-06	6.25E-04
360.623	4247.86	3.49E-06	1.95E-04	1.64E-05	1.25E-07	3.39E-06	2.19E-04
360.6	4247.8	3.40E-06	1.78E-04	1.29E-05	1.03E-07	3.29E-06	1.98E-04
360.578	4247.772	3.34E-06	1.74E-04	1.14E-05	9.83E-08	3.25E-06	1.93E-04
360.263	4247.743	2.92E-06	1.33E-04	3.53E-06	1.09E-07	3.16E-06	1.43E-04
360.239	4248.398	3.60E-05	2.20E-05	1.34E-05	7.45E-07	4.81E-05	1.20E-04
360.6	4247.7	3.06E-06	1.00E-04	6.39E-06	8.40E-08	2.85E-06	1.13E-04
360.23	4248.121	2.88E-05	3.25E-05	6.49E-06	2.84E-07	3.83E-05	1.06E-04
360.705	4247.78	3.36E-06	9.12E-05	8.03E-06	1.26E-07	2.97E-06	1.06E-04
360.668	4247.947	3.65E-06	8.56E-05	8.57E-06	1.66E-07	3.53E-06	1.01E-04
360.656	4247.671	3.16E-06	8.06E-05	5.97E-06	1.13E-07	2.82E-06	9.26E-05
360.289	4248.002	9.60E-06	6.38E-05	5.58E-06	2.13E-07	1.19E-05	9.11E-05
360.7	4247.9	3.40E-06	7.50E-05	7.42E-06	1.36E-07	3.17E-06	8.91E-05
360.527	4247.67	2.71E-06	7.90E-05	3.56E-06	8.53E-08	2.60E-06	8.80E-05
360.245	4247.842	4.47E-06	7.25E-05	4.12E-06	1.34E-07	5.05E-06	8.62E-05
360.2	4248.1	2.11E-05	2.88E-05	5.99E-06	2.58E-07	2.78E-05	8.39E-05
360.1	4248.2	2.52E-05	1.65E-05	5.85E-06	3.11E-07	3.39E-05	8.18E-05
360.578	4247.646	2.71E-06	6.76E-05	3.78E-06	7.53E-08	2.52E-06	7.67E-05
360.261	4247.658	2.39E-06	6.46E-05	3.20E-06	9.11E-08	2.55E-06	7.28E-05
360.7	4248	3.51E-06	5.59E-05	7.03E-06	1.84E-07	3.31E-06	6.99E-05
360.5	4249	4.61E-06	1.87E-05	3.13E-05	1.11E-05	3.74E-06	6.94E-05
360.4	4248.912	5.22E-06	1.95E-05	3.25E-05	7.61E-06	4.55E-06	6.94E-05
360.6	4249	3.95E-06	1.93E-05	3.12E-05	1.16E-05	3.14E-06	6.92E-05
360.226	4247.933	6.16E-06	4.70E-05	4.57E-06	1.65E-07	7.26E-06	6.52E-05
360.169	4248.084	1.48E-05	2.50E-05	5.51E-06	2.39E-07	1.90E-05	6.45E-05
360.198	4248.033	1.18E-05	3.18E-05	5.22E-06	2.11E-07	1.48E-05	6.38E-05
360.8	4247.8	3.33E-06	4.94E-05	6.07E-06	1.68E-07	2.83E-06	6.18E-05
360.212	4247.985	8.16E-06	3.84E-05	4.88E-06	1.87E-07	9.88E-06	6.15E-05
360.117	4248.126	1.56E-05	1.89E-05	5.46E-06	2.57E-07	2.03E-05	6.05E-05
360.713	4248.035	3.39E-06	4.62E-05	6.90E-06	1.99E-07	3.12E-06	5.98E-05
360.341	4248.904	5.53E-06	1.73E-05	2.55E-05	5.30E-06	4.96E-06	5.85E-05
360.6	4247.6	2.55E-06	5.01E-05	2.97E-06	6.96E-08	2.31E-06	5.80E-05
360.052	4248.165	1.58E-05	1.42E-05	5.12E-06	2.65E-07	2.08E-05	5.62E-05
360.4	4249	5.18E-06	1.53E-05	2.27E-05	6.47E-06	4.27E-06	5.40E-05
360.8	4247.9	3.29E-06	4.13E-05	5.91E-06	2.14E-07	2.89E-06	5.36E-05
360.7	4249	3.43E-06	1.64E-05	2.37E-05	6.91E-06	2.64E-06	5.31E-05
360.196	4248.694	9.50E-06	1.53E-05	1.59E-05	1.68E-06	1.04E-05	5.28E-05
360.728	4248.992	3.32E-06	1.57E-05	2.20E-05	6.08E-06	2.54E-06	4.96E-05
360.5	4249.1	4.36E-06	1.36E-05	2.03E-05	6.56E-06	3.42E-06	4.82E-05
360.305	4247.6	1.89E-06	4.16E-05	2.68E-06	8.40E-08	1.87E-06	4.81E-05
360.6	4249.1	4.15E-06	1.37E-05	2.03E-05	6.65E-06	3.23E-06	4.81E-05
360.607	4247.562	2.43E-06	4.08E-05	2.51E-06	7.50E-08	2.16E-06	4.80E-05
360.546	4247.561	2.17E-06	3.99E-05	2.13E-06	6.39E-08	1.98E-06	4.63E-05
360.253	4248.902	5.79E-06	1.34E-05	1.74E-05	2.96E-06	5.37E-06	4.49E-05
360.188	4248.787	7.21E-06	1.33E-05	1.50E-05	1.87E-06	7.40E-06	4.48E-05
360.775	4248.017	3.08E-06	3.28E-05	5.81E-06	1.91E-07	2.72E-06	4.46E-05
360.794	4248.896	3.17E-06	1.51E-05	1.87E-05	4.87E-06	2.45E-06	4.43E-05
360.9	4247.9	3.02E-06	3.16E-05	6.22E-06	2.22E-07	2.52E-06	4.35E-05
360.3	4249	5.37E-06	1.24E-05	1.61E-05	3.63E-06	4.58E-06	4.21E-05
360.9	4247.8	3.04E-06	3.11E-05	5.17E-06	1.73E-07	2.51E-06	4.20E-05
360.9	4247.7	3.09E-06	3.10E-05	4.49E-06	1.36E-07	2.49E-06	4.12E-05
360.186	4248.85	6.33E-06	1.22E-05	1.42E-05	1.94E-06	6.22E-06	4.09E-05
360.8	4248	3.00E-06	2.94E-05	5.39E-06	1.84E-07	2.61E-06	4.06E-05
360.7	4249.1	3.80E-06	1.23E-05	1.70E-05	4.61E-06	2.91E-06	4.06E-05
360.03	4248.262	9.64E-06	1.26E-05	5.54E-06	3.27E-07	1.24E-05	4.04E-05
360.4	4249.1	4.49E-06	1.18E-05	1.58E-05	4.37E-06	3.57E-06	4.00E-05
360.9	4248	2.91E-06	2.69E-05	7.22E-06	2.88E-07	2.39E-06	3.97E-05
360.2	4248.9	5.91E-06	1.18E-05	1.42E-05	2.13E-06	5.57E-06	3.95E-05
360.843	4248.678	3.20E-06	1.52E-05	1.57E-05	2.72E-06	2.57E-06	3.94E-05
360.498	4249.157	4.00E-06	1.12E-05	1.53E-05	4.64E-06	3.10E-06	3.82E-05
360.827	4248.784	3.18E-06	1.42E-05	1.38E-05	3.73E-06	2.51E-06	3.74E-05
360.838	4248.485	3.16E-06	1.62E-05	1.38E-05	1.29E-06	2.56E-06	3.70E-05
360.187	4248.927	5.76E-06	1.09E-05	1.30E-05	1.96E-06	5.34E-06	3.70E-05
360.9	4247.6	3.08E-06	2.77E-05	3.65E-06	1.09E-07	2.43E-06	3.70E-05
360.8	4248.102	2.89E-06	2.49E-05	6.49E-06	2.44E-07	2.42E-06	3.69E-05
360.592	4249.185	3.73E-06	1.07E-05	1.46E-05	4.01E-06	2.86E-06	3.59E-05
360.578	4247.5	2.04E-06	2.92E-05	1.82E-06	6.18E-08	1.80E-06	3.50E-05
359.992	4248.193	7.83E-06	1.15E-05	4.72E-06	2.62E-07	9.95E-06	3.43E-05
360.9	4248.1	2.76E-06	2.09E-05	7.77E-06	3.74E-07	2.20E-06	3.40E-05
360.2	4249	5.32E-06	1.01E-05	1.19E-05	2.02E-06	4.68E-06	3.40E-05
360.825	4248.188	2.92E-06	2.00E-05	7.49E-06	3.11E-07	2.42E-06	3.31E-05
360.403	4249.137	4.23E-06	1.00E-05	1.17E-05	3.70E-06	3.34E-06	3.30E-05
360.3	4249.1	4.51E-06	9.99E-06	1.20E-05	2.70E-06	3.69E-06	3.29E-05
360.826	4248.376	3.10E-06	1.60E-05	1.06E-05	5.40E-07	2.54E-06	3.27E-05
360.858	4248.572	3.05E-06	1.33E-05	1.15E-05	1.32E-06	2.47E-06	3.16E-05
361	4247.9	2.66E-06	2.09E-05	5.29E-06	2.16E-07	2.15E-06	3.12E-05
360.9	4247.5	2.88E-06	2.27E-05	2.84E-06	8.86E-08	2.26E-06	3.08E-05
361	4248.7	2.74E-06	1.13E-05	1.32E-05	1.31E-06	2.13E-06	3.07E-05
361	4248	2.73E-06	1.90E-05	6.34E-06	2.73E-07	2.19E-06	3.05E-05

TASK 1
CUMULATIVE ADULT CANCER RISK PER LOCATION

RECEPTOR		ADULT CANCER RISK					CUMULATIVE ADULT CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.334	4249.128	4.32E-06	9.38E-06	1.03E-05	2.83E-06	3.48E-06	3.03E-05
360.85	4248.273	2.99E-06	1.63E-05	8.09E-06	3.86E-07	2.48E-06	3.03E-05
360.8	4249	3.00E-06	1.08E-05	1.03E-05	3.93E-06	2.27E-06	3.03E-05
361	4248.8	2.95E-06	1.05E-05	1.29E-05	1.45E-06	2.31E-06	3.01E-05
360.171	4249.034	4.92E-06	9.02E-06	1.02E-05	1.67E-06	4.28E-06	3.01E-05
361	4247.8	2.79E-06	2.01E-05	4.48E-06	1.73E-07	2.25E-06	2.98E-05
361	4248.1	2.63E-06	1.75E-05	7.27E-06	3.46E-07	2.07E-06	2.98E-05
361	4248.2	2.64E-06	1.62E-05	8.28E-06	4.37E-07	2.09E-06	2.96E-05
361	4248.6	2.65E-06	1.16E-05	1.20E-05	1.11E-06	2.07E-06	2.94E-05
361	4247.7	2.89E-06	2.01E-05	3.81E-06	1.39E-07	2.28E-06	2.93E-05
360.302	4247.5	1.55E-06	2.36E-05	1.94E-06	6.96E-08	1.50E-06	2.87E-05
361	4247.6	3.17E-06	1.94E-05	3.22E-06	1.13E-07	2.41E-06	2.83E-05
360.269	4249.127	4.31E-06	8.72E-06	9.56E-06	2.13E-06	3.53E-06	2.83E-05
360.513	4247.475	1.71E-06	2.33E-05	1.48E-06	5.45E-08	1.51E-06	2.80E-05
360.2	4249.1	4.40E-06	8.46E-06	9.40E-06	1.71E-06	3.71E-06	2.77E-05
360.875	4248.359	2.91E-06	1.36E-05	8.28E-06	4.63E-07	2.35E-06	2.76E-05
360.1	4249	4.82E-06	8.28E-06	8.94E-06	1.23E-06	4.29E-06	2.75E-05
361	4248.9	3.05E-06	9.40E-06	1.13E-05	1.49E-06	2.35E-06	2.75E-05
360.678	4249.21	3.33E-06	8.77E-06	1.01E-05	2.84E-06	2.53E-06	2.75E-05
360.9	4248.2	2.74E-06	1.53E-05	6.37E-06	3.66E-07	2.21E-06	2.70E-05
360.049	4248.941	4.85E-06	8.09E-06	8.30E-06	1.00E-06	4.41E-06	2.67E-05
360.9	4248.5	2.82E-06	1.16E-05	8.77E-06	7.04E-07	2.25E-06	2.62E-05
361	4248.5	2.63E-06	1.12E-05	9.14E-06	8.69E-07	2.06E-06	2.59E-05
360.233	4249.168	4.13E-06	7.97E-06	8.80E-06	1.63E-06	3.36E-06	2.59E-05
359.934	4248.308	5.10E-06	9.61E-06	4.89E-06	3.02E-07	5.89E-06	2.58E-05
361	4247.5	3.16E-06	1.74E-05	2.67E-06	9.30E-08	2.37E-06	2.57E-05
360.9	4249.1	2.78E-06	8.65E-06	1.02E-05	1.93E-06	2.07E-06	2.56E-05
360.9	4248.3	2.81E-06	1.32E-05	6.92E-06	3.81E-07	2.28E-06	2.56E-05
360.9	4248.4	2.80E-06	1.21E-05	7.86E-06	4.79E-07	2.23E-06	2.55E-05
361.1	4248.6	2.86E-06	9.96E-06	9.58E-06	7.93E-07	2.25E-06	2.55E-05
361.1	4248.5	2.62E-06	1.07E-05	9.22E-06	6.81E-07	2.08E-06	2.53E-05
361.1	4248	2.60E-06	1.48E-05	5.45E-06	2.56E-07	2.05E-06	2.52E-05
361.1	4248.7	2.95E-06	9.26E-06	9.72E-06	8.82E-07	2.28E-06	2.51E-05
361.1	4247.9	2.50E-06	1.56E-05	4.73E-06	2.08E-07	1.99E-06	2.51E-05
361.1	4248.1	2.57E-06	1.39E-05	6.25E-06	3.12E-07	2.03E-06	2.51E-05
361.1	4248.3	2.45E-06	1.25E-05	7.61E-06	4.63E-07	1.93E-06	2.50E-05
361	4248.3	2.62E-06	1.24E-05	7.16E-06	5.36E-07	2.08E-06	2.48E-05
360.9	4248.6	2.84E-06	1.06E-05	8.21E-06	8.73E-07	2.27E-06	2.47E-05
361.1	4248.2	2.35E-06	1.32E-05	6.78E-06	3.79E-07	1.85E-06	2.46E-05
361.1	4248.8	3.01E-06	8.62E-06	9.54E-06	9.55E-07	2.29E-06	2.44E-05
360.804	4247.376	2.23E-06	1.83E-05	1.94E-06	6.76E-08	1.79E-06	2.44E-05
361.1	4248.4	2.42E-06	1.13E-05	8.18E-06	5.68E-07	1.89E-06	2.43E-05
360.171	4249.149	4.09E-06	7.44E-06	7.99E-06	1.37E-06	3.40E-06	2.43E-05
360.9	4248.7	2.85E-06	9.78E-06	8.28E-06	1.06E-06	2.26E-06	2.42E-05
361	4249	2.72E-06	8.30E-06	9.71E-06	1.41E-06	2.06E-06	2.42E-05
360.9	4247.4	2.49E-06	1.74E-05	2.16E-06	7.32E-08	1.96E-06	2.41E-05
361	4248.4	2.60E-06	1.11E-05	7.23E-06	6.75E-07	2.04E-06	2.36E-05
360.632	4249.294	3.30E-06	7.39E-06	7.88E-06	2.13E-06	2.51E-06	2.32E-05
360.198	4249.204	3.91E-06	7.14E-06	7.62E-06	1.32E-06	3.18E-06	2.32E-05
361.1	4247.8	2.40E-06	1.47E-05	3.95E-06	1.70E-07	1.90E-06	2.32E-05
361.1	4247.6	2.83E-06	1.49E-05	2.98E-06	1.16E-07	2.15E-06	2.30E-05
360.9	4249.2	2.90E-06	7.56E-06	8.72E-06	1.59E-06	2.16E-06	2.29E-05
360.9	4248.9	2.79E-06	8.83E-06	7.29E-06	1.86E-06	2.13E-06	2.29E-05
361.1	4247.7	2.58E-06	1.47E-05	3.42E-06	1.40E-07	2.02E-06	2.29E-05
361.1	4248.9	2.94E-06	7.88E-06	8.72E-06	9.83E-07	2.23E-06	2.28E-05
360.9	4248.8	2.81E-06	8.93E-06	7.53E-06	1.15E-06	2.19E-06	2.26E-05
360.1	4249.1	4.02E-06	6.92E-06	7.01E-06	1.14E-06	3.45E-06	2.25E-05
359.912	4248.213	4.01E-06	9.44E-06	4.14E-06	2.40E-07	4.61E-06	2.24E-05
360.9	4249	2.74E-06	8.32E-06	7.13E-06	2.14E-06	2.05E-06	2.24E-05
360.549	4247.407	1.61E-06	1.77E-05	1.35E-06	5.33E-08	1.38E-06	2.21E-05
361.1	4247.5	2.91E-06	1.42E-05	2.58E-06	9.70E-08	2.16E-06	2.20E-05
361.2	4248.5	2.66E-06	9.48E-06	7.16E-06	5.36E-07	2.09E-06	2.19E-05
359.9	4248.3	3.91E-06	8.82E-06	4.46E-06	2.77E-07	4.35E-06	2.18E-05
360	4249	3.89E-06	6.94E-06	6.77E-06	8.32E-07	3.38E-06	2.18E-05
361	4249.1	2.63E-06	7.37E-06	8.42E-06	1.31E-06	1.97E-06	2.17E-05
361.2	4248.6	2.77E-06	8.74E-06	7.42E-06	5.98E-07	2.12E-06	2.16E-05
361	4247.4	2.67E-06	1.47E-05	2.16E-06	7.74E-08	2.02E-06	2.16E-05
361.2	4248	2.36E-06	1.24E-05	4.76E-06	2.34E-07	1.84E-06	2.16E-05
361.2	4248.4	2.29E-06	1.01E-05	6.75E-06	4.64E-07	1.80E-06	2.14E-05
360.2	4249.26	3.70E-06	6.57E-06	6.87E-06	1.17E-06	2.96E-06	2.13E-05
361.2	4248.1	2.24E-06	1.16E-05	5.34E-06	2.78E-07	1.77E-06	2.12E-05
360.115	4249.143	3.88E-06	6.56E-06	6.36E-06	1.14E-06	3.27E-06	2.12E-05
361.2	4247.9	2.25E-06	1.28E-05	4.19E-06	1.98E-07	1.77E-06	2.12E-05
361.2	4248.3	2.18E-06	1.07E-05	6.18E-06	3.93E-07	1.72E-06	2.12E-05
360.8	4249.1	2.87E-06	7.65E-06	6.63E-06	1.76E-06	2.16E-06	2.11E-05
360.8	4249.2	2.83E-06	7.29E-06	6.54E-06	1.97E-06	2.11E-06	2.07E-05
359.958	4248.92	3.64E-06	6.87E-06	6.23E-06	7.16E-07	3.22E-06	2.07E-05
361.2	4248.7	2.57E-06	7.99E-06	7.50E-06	6.41E-07	1.98E-06	2.07E-05
361.1	4249	2.57E-06	7.04E-06	7.65E-06	9.48E-07	1.95E-06	2.02E-05
360.9	4249.3	2.69E-06	6.65E-06	7.34E-06	1.27E-06	1.99E-06	1.99E-05

TASK 1
CUMULATIVE ADULT CANCER RISK PER LOCATION

RECEPTOR		ADULT CANCER RISK					CUMULATIVE ADULT CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.585	4249.378	3.22E-06	6.35E-06	6.36E-06	1.55E-06	2.44E-06	1.99E-05
361	4249.2	2.80E-06	6.59E-06	7.26E-06	1.15E-06	2.07E-06	1.99E-05
361.2	4248.8	2.45E-06	7.39E-06	7.40E-06	6.88E-07	1.89E-06	1.98E-05
361.1	4247.4	2.69E-06	1.28E-05	2.19E-06	8.20E-08	2.00E-06	1.98E-05
360.199	4249.312	3.49E-06	6.07E-06	6.16E-06	1.04E-06	2.77E-06	1.95E-05
360.06	4249.18	3.53E-06	6.05E-06	6.07E-06	9.07E-07	2.94E-06	1.95E-05
361.2	4247.8	2.19E-06	1.18E-05	3.59E-06	1.66E-07	1.72E-06	1.95E-05
360	4249.1	3.46E-06	6.10E-06	6.02E-06	8.12E-07	2.93E-06	1.93E-05
361.2	4248.2	2.07E-06	1.01E-05	5.17E-06	3.27E-07	1.63E-06	1.93E-05
360.088	4249.225	3.52E-06	5.95E-06	5.95E-06	9.17E-07	2.89E-06	1.92E-05
361.2	4247.6	2.42E-06	1.20E-05	2.80E-06	1.16E-07	1.87E-06	1.92E-05
360.8	4247.3	1.99E-06	1.39E-05	1.57E-06	5.94E-08	1.59E-06	1.91E-05
361.2	4247.7	2.26E-06	1.17E-05	3.15E-06	1.38E-07	1.78E-06	1.90E-05
361.2	4247.5	2.59E-06	1.19E-05	2.46E-06	9.91E-08	1.94E-06	1.89E-05
361.3	4248.5	2.39E-06	8.39E-06	5.72E-06	4.25E-07	1.87E-06	1.88E-05
360.9	4247.3	2.17E-06	1.32E-05	1.66E-06	6.15E-08	1.70E-06	1.88E-05
361.2	4248.9	2.34E-06	6.83E-06	7.02E-06	7.14E-07	1.80E-06	1.87E-05
360.301	4247.402	1.27E-06	1.45E-05	1.63E-06	5.89E-08	1.21E-06	1.86E-05
361.3	4248.4	2.21E-06	8.75E-06	5.51E-06	3.79E-07	1.75E-06	1.86E-05
361.3	4248	1.96E-06	1.07E-05	4.19E-06	2.10E-07	1.53E-06	1.86E-05
361.3	4248.3	2.10E-06	9.13E-06	5.31E-06	3.33E-07	1.67E-06	1.85E-05
360.8	4249.3	2.73E-06	6.43E-06	5.86E-06	1.47E-06	2.03E-06	1.85E-05
359.839	4248.354	3.21E-06	7.51E-06	4.06E-06	2.71E-07	3.46E-06	1.85E-05
361.3	4247.9	2.07E-06	1.08E-05	3.72E-06	1.82E-07	1.61E-06	1.84E-05
360.256	4247.423	1.59E-06	1.30E-05	2.02E-06	5.92E-08	1.64E-06	1.84E-05
361.3	4248.6	2.33E-06	7.81E-06	5.90E-06	4.63E-07	1.80E-06	1.83E-05
360.7	4249.3	3.00E-06	6.22E-06	5.63E-06	1.17E-06	2.27E-06	1.83E-05
360.6	4249.4	3.11E-06	5.92E-06	5.62E-06	1.26E-06	2.36E-06	1.83E-05
361	4249.3	2.95E-06	5.90E-06	6.15E-06	1.01E-06	2.12E-06	1.81E-05
359.868	4248.894	3.30E-06	6.23E-06	5.15E-06	5.37E-07	2.90E-06	1.81E-05
361.1	4249.1	2.37E-06	6.28E-06	6.72E-06	8.98E-07	1.77E-06	1.80E-05
360.8	4249.4	2.69E-06	6.03E-06	6.03E-06	1.14E-06	2.00E-06	1.79E-05
361	4247.3	2.27E-06	1.20E-05	1.73E-06	6.52E-08	1.73E-06	1.78E-05
361.3	4248.1	1.86E-06	9.83E-06	4.37E-06	2.45E-07	1.45E-06	1.78E-05
360.9	4249.4	2.68E-06	5.89E-06	6.14E-06	1.00E-06	1.97E-06	1.77E-05
361.2	4247.4	2.40E-06	1.12E-05	2.16E-06	8.48E-08	1.80E-06	1.76E-05
360	4249.2	3.27E-06	5.50E-06	5.35E-06	7.45E-07	2.71E-06	1.76E-05
361.3	4248.7	2.23E-06	7.14E-06	5.95E-06	4.87E-07	1.71E-06	1.75E-05
359.9	4249	3.13E-06	5.94E-06	5.21E-06	6.05E-07	2.63E-06	1.75E-05
360.481	4247.39	1.33E-06	1.38E-05	1.15E-06	4.71E-08	1.15E-06	1.75E-05
360.195	4249.375	3.23E-06	5.47E-06	5.34E-06	9.07E-07	2.53E-06	1.75E-05
360.068	4249.275	3.29E-06	5.41E-06	5.28E-06	8.00E-07	2.67E-06	1.75E-05
359.797	4248.242	3.01E-06	7.56E-06	3.41E-06	2.04E-07	3.19E-06	1.74E-05
361.1	4247.3	2.46E-06	1.10E-05	1.81E-06	6.96E-08	1.82E-06	1.72E-05
361.2	4249	2.29E-06	6.12E-06	6.23E-06	6.91E-07	1.74E-06	1.71E-05
360.538	4249.462	3.07E-06	5.47E-06	5.00E-06	1.09E-06	2.33E-06	1.70E-05
359.728	4248.146	2.66E-06	8.37E-06	2.82E-06	1.56E-07	2.87E-06	1.69E-05
361.3	4248.8	2.19E-06	6.58E-06	5.85E-06	5.21E-07	1.68E-06	1.68E-05
361.1	4249.2	2.52E-06	5.68E-06	5.93E-06	8.31E-07	1.85E-06	1.68E-05
361.3	4247.8	2.00E-06	9.82E-06	3.24E-06	1.56E-07	1.57E-06	1.68E-05
360.8	4249.5	2.63E-06	5.54E-06	5.58E-06	9.08E-07	1.96E-06	1.66E-05
359.806	4248.302	2.71E-06	7.14E-06	3.61E-06	2.30E-07	2.85E-06	1.65E-05
360.7	4249.5	2.80E-06	5.43E-06	5.11E-06	1.02E-06	2.11E-06	1.65E-05
361.3	4248.2	1.88E-06	8.55E-06	4.27E-06	2.86E-07	1.48E-06	1.65E-05
361	4249.4	2.95E-06	5.30E-06	5.17E-06	8.63E-07	2.08E-06	1.64E-05
360.771	4247.244	1.77E-06	1.16E-05	1.35E-06	5.42E-08	1.42E-06	1.62E-05
361.4	4248.3	2.01E-06	7.94E-06	4.33E-06	2.83E-07	1.60E-06	1.62E-05
361.3	4248.9	2.20E-06	6.05E-06	5.67E-06	5.43E-07	1.68E-06	1.61E-05
361.3	4247.6	2.21E-06	9.52E-06	2.54E-06	1.13E-07	1.69E-06	1.61E-05
359.9	4249.1	2.91E-06	5.36E-06	4.80E-06	6.00E-07	2.40E-06	1.61E-05
361.4	4247.9	1.85E-06	9.28E-06	3.33E-06	1.65E-07	1.43E-06	1.61E-05
360.7	4249.4	2.86E-06	5.45E-06	4.69E-06	8.87E-07	2.17E-06	1.61E-05
361.3	4247.7	2.07E-06	9.37E-06	2.87E-06	1.33E-07	1.61E-06	1.60E-05
359.8	4248.9	3.00E-06	5.62E-06	4.31E-06	4.41E-07	2.65E-06	1.60E-05
361.4	4248.5	2.11E-06	7.30E-06	4.58E-06	3.41E-07	1.65E-06	1.60E-05
361.4	4248.4	2.02E-06	7.60E-06	4.42E-06	3.13E-07	1.60E-06	1.60E-05
361.4	4248.2	1.87E-06	8.19E-06	4.16E-06	2.50E-07	1.49E-06	1.60E-05
360.9	4249.5	2.72E-06	5.27E-06	5.17E-06	7.97E-07	1.98E-06	1.59E-05
360.191	4249.427	3.01E-06	5.03E-06	4.75E-06	8.13E-07	2.34E-06	1.59E-05
361.2	4247.3	2.25E-06	1.01E-05	1.85E-06	7.30E-08	1.68E-06	1.59E-05
361.4	4248	1.67E-06	9.22E-06	3.51E-06	1.89E-07	1.29E-06	1.59E-05
361.3	4247.5	2.18E-06	9.63E-06	2.26E-06	9.80E-08	1.66E-06	1.58E-05
361.4	4248.6	2.16E-06	6.91E-06	4.72E-06	3.64E-07	1.64E-06	1.58E-05
361.4	4248.1	1.76E-06	8.56E-06	3.85E-06	2.17E-07	1.38E-06	1.58E-05
360.7	4249.6	2.69E-06	5.12E-06	5.11E-06	8.14E-07	2.01E-06	1.57E-05
361.1	4249.3	2.68E-06	5.18E-06	5.17E-06	7.68E-07	1.91E-06	1.57E-05
359.743	4248.646	2.89E-06	5.68E-06	3.74E-06	3.26E-07	3.03E-06	1.57E-05
360	4249.3	3.06E-06	4.85E-06	4.59E-06	6.55E-07	2.49E-06	1.56E-05
360.032	4249.325	3.04E-06	4.86E-06	4.60E-06	6.80E-07	2.46E-06	1.56E-05
359.749	4248.592	2.84E-06	5.76E-06	3.73E-06	3.14E-07	2.98E-06	1.56E-05

TASK 1
CUMULATIVE ADULT CANCER RISK PER LOCATION

RECEPTOR		ADULT CANCER RISK					CUMULATIVE ADULT CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361.2	4249.1	2.32E-06	5.46E-06	5.43E-06	6.52E-07	1.72E-06	1.56E-05
359.7	4248.2	2.57E-06	7.24E-06	2.76E-06	1.60E-07	2.70E-06	1.54E-05
361.4	4248.7	2.22E-06	6.43E-06	4.77E-06	3.78E-07	1.64E-06	1.54E-05
361	4247.2	2.27E-06	9.96E-06	1.42E-06	5.55E-08	1.69E-06	1.54E-05
360.9	4247.2	2.03E-06	1.03E-05	1.35E-06	5.27E-08	1.56E-06	1.53E-05
361.3	4247.4	2.04E-06	9.59E-06	2.05E-06	8.53E-08	1.56E-06	1.53E-05
359.675	4248.099	2.32E-06	7.91E-06	2.47E-06	1.34E-07	2.47E-06	1.53E-05
361.1	4247.2	2.46E-06	9.41E-06	1.50E-06	5.96E-08	1.79E-06	1.52E-05
359.9	4249.2	2.91E-06	4.87E-06	4.44E-06	5.67E-07	2.40E-06	1.52E-05
360.491	4249.545	2.92E-06	4.90E-06	4.24E-06	8.83E-07	2.22E-06	1.52E-05
360.6	4249.5	2.87E-06	5.00E-06	4.33E-06	7.79E-07	2.18E-06	1.52E-05
361.3	4249	2.29E-06	5.47E-06	5.16E-06	5.30E-07	1.71E-06	1.52E-05
361	4249.5	2.90E-06	4.81E-06	4.44E-06	7.06E-07	2.02E-06	1.49E-05
359.754	4248.513	2.51E-06	5.87E-06	3.65E-06	2.90E-07	2.56E-06	1.49E-05
361.4	4248.8	2.23E-06	5.93E-06	4.68E-06	4.04E-07	1.63E-06	1.49E-05
359.755	4248.318	2.39E-06	6.41E-06	3.27E-06	2.14E-07	2.48E-06	1.48E-05
360.8	4249.6	2.52E-06	4.95E-06	4.69E-06	7.28E-07	1.88E-06	1.48E-05
360.8	4247.2	1.71E-06	1.03E-05	1.26E-06	5.12E-08	1.35E-06	1.47E-05
359.751	4248.443	2.43E-06	5.98E-06	3.51E-06	2.61E-07	2.47E-06	1.47E-05
361.1	4249.4	2.76E-06	4.75E-06	4.45E-06	6.98E-07	1.93E-06	1.46E-05
361.4	4247.8	1.78E-06	8.28E-06	2.93E-06	1.44E-07	1.38E-06	1.45E-05
361.3	4247.3	1.97E-06	9.09E-06	1.84E-06	7.47E-08	1.50E-06	1.45E-05
359.8	4249	2.64E-06	5.14E-06	4.05E-06	4.50E-07	2.19E-06	1.45E-05
359.7	4248.7	2.69E-06	5.28E-06	3.43E-06	3.06E-07	2.75E-06	1.45E-05
360.9	4249.6	2.69E-06	4.75E-06	4.39E-06	6.39E-07	1.95E-06	1.44E-05
361.2	4247.2	2.23E-06	8.89E-06	1.58E-06	6.34E-08	1.64E-06	1.44E-05
361.4	4248.9	2.22E-06	5.44E-06	4.57E-06	4.22E-07	1.63E-06	1.43E-05
361.2	4249.2	2.29E-06	4.93E-06	4.76E-06	6.13E-07	1.66E-06	1.43E-05
359.7	4248.8	2.72E-06	5.19E-06	3.42E-06	3.25E-07	2.60E-06	1.42E-05
360.189	4249.503	2.77E-06	4.55E-06	4.09E-06	6.97E-07	2.13E-06	1.42E-05
359.652	4248.019	2.20E-06	7.28E-06	2.22E-06	1.17E-07	2.41E-06	1.42E-05
361.5	4248	1.56E-06	8.13E-06	3.10E-06	1.70E-07	1.21E-06	1.42E-05
361.3	4249.1	2.45E-06	4.89E-06	4.50E-06	4.94E-07	1.76E-06	1.41E-05
361.5	4248.5	2.07E-06	6.42E-06	3.74E-06	2.77E-07	1.59E-06	1.41E-05
361.5	4248.6	2.17E-06	6.14E-06	3.85E-06	2.91E-07	1.61E-06	1.41E-05
361.5	4248.1	1.65E-06	7.57E-06	3.33E-06	1.93E-07	1.30E-06	1.40E-05
361.5	4247.9	1.58E-06	8.12E-06	2.93E-06	1.50E-07	1.22E-06	1.40E-05
359.7	4248.6	2.50E-06	5.29E-06	3.37E-06	2.82E-07	2.57E-06	1.40E-05
361.5	4248.2	1.72E-06	7.17E-06	3.47E-06	2.17E-07	1.37E-06	1.40E-05
360.7	4249.7	2.52E-06	4.57E-06	4.28E-06	6.48E-07	1.87E-06	1.39E-05
361.5	4248.3	1.77E-06	6.90E-06	3.56E-06	2.39E-07	1.41E-06	1.39E-05
361.5	4248.4	1.84E-06	6.65E-06	3.60E-06	2.57E-07	1.45E-06	1.38E-05
361.5	4248.7	2.21E-06	5.76E-06	3.88E-06	3.00E-07	1.60E-06	1.37E-05
361.4	4249	2.32E-06	4.97E-06	4.30E-06	4.17E-07	1.68E-06	1.37E-05
361	4249.6	2.85E-06	4.39E-06	3.86E-06	5.70E-07	1.98E-06	1.37E-05
359.9	4249.3	2.71E-06	4.35E-06	3.87E-06	5.14E-07	2.21E-06	1.37E-05
359.984	4249.373	2.69E-06	4.31E-06	3.90E-06	5.65E-07	2.17E-06	1.36E-05
360.6	4249.6	2.67E-06	4.51E-06	3.77E-06	6.48E-07	2.01E-06	1.36E-05
361.1	4249.5	2.85E-06	4.35E-06	3.82E-06	5.99E-07	1.96E-06	1.36E-05
361	4247.1	2.21E-06	8.49E-06	1.21E-06	4.78E-08	1.62E-06	1.36E-05
360.5	4249.6	2.76E-06	4.43E-06	3.64E-06	6.25E-07	2.09E-06	1.35E-05
359.6	4248.1	2.19E-06	6.83E-06	2.16E-06	1.19E-07	2.24E-06	1.35E-05
359.7	4248.9	2.62E-06	4.84E-06	3.37E-06	3.37E-07	2.36E-06	1.35E-05
361.4	4247.3	2.03E-06	8.15E-06	1.76E-06	7.47E-08	1.51E-06	1.35E-05
361.4	4247.4	1.92E-06	8.19E-06	1.88E-06	8.36E-08	1.46E-06	1.35E-05
360.6	4249.7	2.56E-06	4.41E-06	3.94E-06	6.89E-07	1.92E-06	1.35E-05
361.1	4247.1	2.27E-06	8.25E-06	1.29E-06	5.14E-08	1.65E-06	1.35E-05
361.4	4247.7	1.89E-06	7.48E-06	2.54E-06	1.25E-07	1.46E-06	1.35E-05
361.3	4247.2	1.94E-06	8.33E-06	1.62E-06	6.56E-08	1.46E-06	1.34E-05
359.7	4248.5	2.27E-06	5.37E-06	3.24E-06	2.53E-07	2.23E-06	1.34E-05
361.2	4249.3	2.33E-06	4.54E-06	4.25E-06	5.67E-07	1.67E-06	1.34E-05
359.7	4248.4	2.26E-06	5.54E-06	3.06E-06	2.19E-07	2.26E-06	1.33E-05
359.8	4249.1	2.46E-06	4.62E-06	3.77E-06	4.49E-07	2.00E-06	1.33E-05
359.7	4248.3	2.03E-06	6.11E-06	2.90E-06	1.87E-07	2.05E-06	1.33E-05
359.6	4248.2	2.23E-06	6.40E-06	2.28E-06	1.35E-07	2.22E-06	1.33E-05
359.629	4247.939	1.96E-06	6.89E-06	2.04E-06	1.02E-07	2.23E-06	1.32E-05
360.8	4249.7	2.42E-06	4.45E-06	3.97E-06	5.86E-07	1.80E-06	1.32E-05
361.5	4248.8	2.17E-06	5.31E-06	3.79E-06	3.20E-07	1.55E-06	1.31E-05
360.444	4249.629	2.72E-06	4.27E-06	3.41E-06	6.18E-07	2.07E-06	1.31E-05
361.4	4247.6	1.89E-06	7.41E-06	2.22E-06	1.08E-07	1.44E-06	1.31E-05
361.4	4247.5	1.82E-06	7.76E-06	2.01E-06	9.41E-08	1.39E-06	1.31E-05
360.9	4249.7	2.61E-06	4.30E-06	3.72E-06	5.22E-07	1.89E-06	1.30E-05
360.186	4249.569	2.60E-06	4.17E-06	3.65E-06	6.09E-07	1.99E-06	1.30E-05
361.4	4249.1	2.49E-06	4.49E-06	3.85E-06	3.89E-07	1.76E-06	1.30E-05
359.6	4248	2.00E-06	6.58E-06	2.01E-06	1.06E-07	2.17E-06	1.29E-05
360.771	4247.141	1.52E-06	8.94E-06	1.14E-06	4.70E-08	1.22E-06	1.29E-05
360.9	4247.1	1.82E-06	8.43E-06	1.15E-06	4.58E-08	1.39E-06	1.28E-05
361.3	4249.2	2.35E-06	4.41E-06	3.92E-06	4.65E-07	1.67E-06	1.28E-05
361.6	4248	1.50E-06	7.22E-06	2.77E-06	1.53E-07	1.17E-06	1.28E-05
361.4	4247.2	2.01E-06	7.63E-06	1.61E-06	6.65E-08	1.49E-06	1.28E-05

TASK 1
CUMULATIVE ADULT CANCER RISK PER LOCATION

RECEPTOR		ADULT CANCER RISK					CUMULATIVE ADULT CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361.2	4247.1	2.01E-06	7.85E-06	1.36E-06	5.52E-08	1.49E-06	1.28E-05
360.725	4249.695	2.44E-06	3.72E-06	4.16E-06	6.24E-07	1.81E-06	1.27E-05
359.606	4247.882	2.00E-06	6.42E-06	1.93E-06	9.16E-08	2.30E-06	1.27E-05
359.627	4248.675	2.40E-06	4.72E-06	2.94E-06	2.53E-07	2.43E-06	1.27E-05
361.5	4248.9	2.18E-06	4.91E-06	3.72E-06	3.34E-07	1.55E-06	1.27E-05
360.2	4249.6	2.55E-06	4.08E-06	3.55E-06	5.87E-07	1.94E-06	1.27E-05
361.5	4247.8	1.57E-06	7.17E-06	2.60E-06	1.33E-07	1.21E-06	1.27E-05
361.6	4248.6	2.18E-06	5.49E-06	3.17E-06	2.35E-07	1.58E-06	1.27E-05
361.6	4248.5	2.06E-06	5.71E-06	3.09E-06	2.26E-07	1.54E-06	1.26E-05
361.2	4249.4	2.37E-06	4.24E-06	3.80E-06	5.35E-07	1.67E-06	1.26E-05
360.6	4249.8	2.44E-06	4.10E-06	3.71E-06	5.56E-07	1.81E-06	1.26E-05
361.6	4248.1	1.61E-06	6.70E-06	2.86E-06	1.71E-07	1.27E-06	1.26E-05
360.5	4247.3	1.18E-06	9.41E-06	9.79E-07	4.20E-08	9.90E-07	1.26E-05
360.254	4247.334	1.30E-06	8.16E-06	1.75E-06	5.16E-08	1.33E-06	1.26E-05
360.7	4249.8	2.42E-06	4.14E-06	3.68E-06	5.24E-07	1.78E-06	1.26E-05
359.8	4249.2	2.37E-06	4.28E-06	3.54E-06	4.33E-07	1.90E-06	1.25E-05
361.5	4247.3	2.12E-06	7.15E-06	1.62E-06	7.30E-08	1.55E-06	1.25E-05
361.6	4248.2	1.70E-06	6.34E-06	2.91E-06	1.88E-07	1.35E-06	1.25E-05
359.939	4249.397	2.48E-06	3.98E-06	3.49E-06	4.96E-07	1.99E-06	1.24E-05
361.6	4247.9	1.43E-06	7.17E-06	2.56E-06	1.37E-07	1.11E-06	1.24E-05
361	4249.7	2.66E-06	4.05E-06	3.37E-06	4.67E-07	1.85E-06	1.24E-05
361.5	4249	2.29E-06	4.53E-06	3.59E-06	3.35E-07	1.62E-06	1.24E-05
361.6	4248.3	1.77E-06	6.04E-06	2.93E-06	2.02E-07	1.39E-06	1.23E-05
361.1	4249.6	2.68E-06	4.00E-06	3.31E-06	5.05E-07	1.83E-06	1.23E-05
359.7	4249	2.31E-06	4.47E-06	3.19E-06	3.43E-07	1.94E-06	1.23E-05
361.6	4248.4	1.82E-06	5.84E-06	2.98E-06	2.13E-07	1.41E-06	1.23E-05
361.5	4247.2	2.13E-06	6.95E-06	1.54E-06	6.64E-08	1.54E-06	1.22E-05
361.3	4247.1	1.87E-06	7.45E-06	1.41E-06	5.80E-08	1.40E-06	1.22E-05
359.555	4248.218	2.07E-06	5.87E-06	2.11E-06	1.29E-07	2.01E-06	1.22E-05
360.516	4247.275	1.19E-06	8.97E-06	9.73E-07	4.35E-08	9.91E-07	1.22E-05
361.6	4248.7	2.04E-06	5.19E-06	3.20E-06	2.42E-07	1.46E-06	1.21E-05
360.5	4249.7	2.56E-06	3.98E-06	3.14E-06	5.05E-07	1.94E-06	1.21E-05
361.2	4249.5	2.56E-06	3.94E-06	3.33E-06	4.96E-07	1.76E-06	1.21E-05
361.5	4247.4	1.94E-06	6.91E-06	1.70E-06	8.04E-08	1.44E-06	1.21E-05
360.8	4247.1	1.51E-06	8.20E-06	1.09E-06	4.49E-08	1.19E-06	1.20E-05
359.628	4248.588	2.11E-06	4.72E-06	2.89E-06	2.36E-07	2.06E-06	1.20E-05
361	4247	2.07E-06	7.32E-06	1.06E-06	4.20E-08	1.51E-06	1.20E-05
359.524	4248.149	2.01E-06	5.93E-06	1.95E-06	1.12E-07	1.96E-06	1.20E-05
359.626	4248.301	1.79E-06	5.72E-06	2.51E-06	1.64E-07	1.77E-06	1.20E-05
360.9	4249.8	2.51E-06	3.94E-06	3.23E-06	4.33E-07	1.81E-06	1.19E-05
360.8	4249.8	2.29E-06	4.04E-06	3.41E-06	4.80E-07	1.69E-06	1.19E-05
360.178	4249.644	2.46E-06	3.80E-06	3.23E-06	5.18E-07	1.87E-06	1.19E-05
361.1	4247	1.99E-06	7.25E-06	1.12E-06	4.48E-08	1.46E-06	1.19E-05
359.9	4249.4	2.38E-06	3.83E-06	3.30E-06	4.54E-07	1.91E-06	1.19E-05
360.397	4249.713	2.53E-06	3.88E-06	2.99E-06	5.52E-07	1.92E-06	1.19E-05
359.8	4249.3	2.38E-06	3.90E-06	3.23E-06	4.04E-07	1.93E-06	1.19E-05
359.628	4248.5	2.07E-06	4.74E-06	2.78E-06	2.17E-07	1.96E-06	1.18E-05
359.6	4248.8	2.23E-06	4.33E-06	2.75E-06	2.54E-07	2.18E-06	1.17E-05
361.4	4247.1	1.84E-06	7.01E-06	1.44E-06	5.95E-08	1.37E-06	1.17E-05
361.5	4249.1	2.31E-06	4.13E-06	3.30E-06	3.16E-07	1.63E-06	1.17E-05
361.4	4249.2	2.24E-06	4.06E-06	3.38E-06	3.65E-07	1.59E-06	1.16E-05
359.7	4249.1	2.23E-06	4.15E-06	3.09E-06	3.43E-07	1.81E-06	1.16E-05
361.3	4249.3	2.12E-06	4.06E-06	3.48E-06	4.34E-07	1.51E-06	1.16E-05
361.5	4247.7	1.67E-06	6.23E-06	2.30E-06	1.17E-07	1.28E-06	1.16E-05
359.629	4248.371	1.80E-06	5.17E-06	2.60E-06	1.83E-07	1.78E-06	1.15E-05
361.7	4248	1.41E-06	6.46E-06	2.42E-06	1.37E-07	1.10E-06	1.15E-05
361.6	4248.8	1.91E-06	4.82E-06	3.12E-06	2.58E-07	1.37E-06	1.15E-05
361	4249.8	2.54E-06	3.75E-06	2.98E-06	3.87E-07	1.78E-06	1.14E-05
361.5	4247.1	1.97E-06	6.54E-06	1.42E-06	6.02E-08	1.43E-06	1.14E-05
361.2	4247	1.85E-06	6.97E-06	1.18E-06	4.84E-08	1.37E-06	1.14E-05
361.3	4247	1.98E-06	6.68E-06	1.24E-06	5.14E-08	1.44E-06	1.14E-05
361.6	4247.8	1.43E-06	6.35E-06	2.34E-06	1.23E-07	1.10E-06	1.13E-05
361.7	4248.1	1.53E-06	5.99E-06	2.45E-06	1.51E-07	1.20E-06	1.13E-05
360.2	4249.7	2.34E-06	3.66E-06	3.06E-06	4.81E-07	1.77E-06	1.13E-05
360.7	4249.9	2.26E-06	3.77E-06	3.19E-06	4.27E-07	1.66E-06	1.13E-05
361.7	4248.2	1.66E-06	5.70E-06	2.46E-06	1.62E-07	1.30E-06	1.13E-05
361.7	4248.5	2.01E-06	5.02E-06	2.57E-06	1.87E-07	1.48E-06	1.13E-05
360.426	4247.312	1.03E-06	8.34E-06	9.40E-07	4.09E-08	8.84E-07	1.12E-05
361.7	4248.3	1.82E-06	5.39E-06	2.46E-06	1.71E-07	1.38E-06	1.12E-05
361.5	4247.5	1.69E-06	6.35E-06	1.80E-06	8.96E-08	1.28E-06	1.12E-05
361.6	4247.3	1.95E-06	6.29E-06	1.49E-06	7.04E-08	1.42E-06	1.12E-05
361.7	4248.6	2.02E-06	4.90E-06	2.64E-06	1.93E-07	1.46E-06	1.12E-05
361.7	4247.9	1.34E-06	6.39E-06	2.28E-06	1.25E-07	1.04E-06	1.12E-05
360.6	4249.9	2.27E-06	3.67E-06	3.09E-06	4.50E-07	1.68E-06	1.12E-05
361.6	4248.9	1.96E-06	4.48E-06	3.05E-06	2.68E-07	1.39E-06	1.11E-05
359.528	4247.817	1.89E-06	5.47E-06	1.61E-06	7.80E-08	2.09E-06	1.11E-05
361.7	4248.4	1.89E-06	5.16E-06	2.49E-06	1.78E-07	1.42E-06	1.11E-05
361.6	4247.2	1.91E-06	6.32E-06	1.44E-06	6.51E-08	1.40E-06	1.11E-05
361.1	4249.7	2.39E-06	3.72E-06	2.94E-06	4.23E-07	1.66E-06	1.11E-05
360.9	4247	1.70E-06	7.09E-06	1.00E-06	4.04E-08	1.29E-06	1.11E-05

TASK 1
CUMULATIVE ADULT CANCER RISK PER LOCATION

RECEPTOR		ADULT CANCER RISK					CUMULATIVE ADULT CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361.3	4249.4	2.18E-06	3.80E-06	3.15E-06	4.07E-07	1.52E-06	1.11E-05
359.6	4248.9	2.10E-06	4.12E-06	2.68E-06	2.62E-07	1.89E-06	1.11E-05
360.5	4249.8	2.38E-06	3.64E-06	2.77E-06	4.36E-07	1.80E-06	1.10E-05
361.4	4247	1.88E-06	6.41E-06	1.28E-06	5.33E-08	1.37E-06	1.10E-05
359.888	4249.439	2.21E-06	3.59E-06	2.99E-06	4.20E-07	1.76E-06	1.10E-05
359.494	4248.081	1.80E-06	5.46E-06	1.79E-06	9.82E-08	1.81E-06	1.10E-05
360.9	4249.9	2.41E-06	3.63E-06	2.80E-06	3.59E-07	1.72E-06	1.09E-05
361.5	4247.6	1.61E-06	5.99E-06	2.00E-06	1.02E-07	1.22E-06	1.09E-05
360.178	4249.719	2.30E-06	3.51E-06	2.89E-06	4.49E-07	1.74E-06	1.09E-05
360.8	4249.9	2.20E-06	3.71E-06	2.97E-06	3.95E-07	1.61E-06	1.09E-05
361.6	4249	2.04E-06	4.14E-06	2.98E-06	2.71E-07	1.43E-06	1.09E-05
361.7	4248.7	1.90E-06	4.72E-06	2.67E-06	1.97E-07	1.36E-06	1.08E-05
361.2	4249.6	2.27E-06	3.66E-06	2.89E-06	4.37E-07	1.58E-06	1.08E-05
361.3	4249.5	2.37E-06	3.58E-06	2.87E-06	3.94E-07	1.62E-06	1.08E-05
361.5	4247	1.91E-06	6.06E-06	1.30E-06	5.44E-08	1.38E-06	1.07E-05
361.3	4246.9	2.01E-06	6.09E-06	1.10E-06	4.58E-08	1.44E-06	1.07E-05
360.765	4247.037	1.35E-06	7.20E-06	1.00E-06	4.15E-08	1.08E-06	1.07E-05
359.5	4248	1.67E-06	5.43E-06	1.73E-06	9.17E-08	1.74E-06	1.07E-05
361.6	4247.1	1.85E-06	6.04E-06	1.36E-06	6.00E-08	1.35E-06	1.07E-05
361.5	4249.2	2.14E-06	3.78E-06	2.96E-06	2.94E-07	1.51E-06	1.07E-05
361.6	4247.4	1.80E-06	5.89E-06	1.56E-06	7.72E-08	1.33E-06	1.07E-05
361	4246.9	1.97E-06	6.29E-06	9.26E-07	3.73E-08	1.42E-06	1.06E-05
359.8	4249.4	2.17E-06	3.49E-06	2.85E-06	3.67E-07	1.75E-06	1.06E-05
361.1	4246.9	1.87E-06	6.32E-06	9.83E-07	3.96E-08	1.36E-06	1.06E-05
360.277	4249.8	2.21E-06	3.45E-06	2.78E-06	4.45E-07	1.66E-06	1.06E-05
361.7	4247.8	1.40E-06	5.74E-06	2.17E-06	1.14E-07	1.08E-06	1.05E-05
359.5	4247.9	1.74E-06	5.23E-06	1.63E-06	8.41E-08	1.82E-06	1.05E-05
359.5	4247.8	1.82E-06	5.12E-06	1.50E-06	7.46E-08	1.99E-06	1.05E-05
361.2	4246.9	1.83E-06	6.24E-06	1.04E-06	4.27E-08	1.34E-06	1.05E-05
360.35	4249.797	2.30E-06	3.46E-06	2.54E-06	4.52E-07	1.74E-06	1.05E-05
361	4249.9	2.38E-06	3.49E-06	2.62E-06	3.25E-07	1.67E-06	1.05E-05
361.8	4248	1.36E-06	5.81E-06	2.11E-06	1.25E-07	1.06E-06	1.05E-05
361.4	4249.3	2.00E-06	3.73E-06	2.96E-06	3.42E-07	1.43E-06	1.05E-05
359.6	4249	2.01E-06	3.90E-06	2.57E-06	2.66E-07	1.71E-06	1.05E-05
360.4	4249.8	2.33E-06	3.45E-06	2.49E-06	3.86E-07	1.76E-06	1.04E-05
360.5	4249.9	2.24E-06	3.42E-06	2.63E-06	4.23E-07	1.68E-06	1.04E-05
359.7	4249.2	2.03E-06	3.67E-06	2.73E-06	3.33E-07	1.62E-06	1.04E-05
360.6	4250	2.15E-06	3.40E-06	2.80E-06	3.71E-07	1.59E-06	1.03E-05
361.4	4246.9	1.90E-06	5.84E-06	1.14E-06	4.81E-08	1.37E-06	1.03E-05
360.7	4250	2.13E-06	3.45E-06	2.78E-06	3.55E-07	1.56E-06	1.03E-05
361.8	4248.2	1.65E-06	5.13E-06	2.09E-06	1.40E-07	1.26E-06	1.03E-05
360.8	4247	1.38E-06	6.78E-06	9.66E-07	3.99E-08	1.09E-06	1.03E-05
361.6	4247	1.91E-06	5.65E-06	1.27E-06	5.51E-08	1.37E-06	1.03E-05
361.8	4248.1	1.47E-06	5.39E-06	2.10E-06	1.34E-07	1.15E-06	1.02E-05
361.8	4247.9	1.30E-06	5.74E-06	2.06E-06	1.13E-07	1.00E-06	1.02E-05
361.8	4248.3	1.80E-06	4.85E-06	2.09E-06	1.45E-07	1.33E-06	1.02E-05
361.7	4248.8	1.70E-06	4.46E-06	2.61E-06	2.10E-07	1.22E-06	1.02E-05
361.6	4249.1	1.95E-06	3.81E-06	2.80E-06	2.61E-07	1.38E-06	1.02E-05
361.1	4249.8	2.19E-06	3.48E-06	2.64E-06	3.52E-07	1.54E-06	1.02E-05
359.501	4248.764	1.97E-06	3.83E-06	2.26E-06	2.00E-07	1.90E-06	1.02E-05
361.6	4247.7	1.43E-06	5.42E-06	2.09E-06	1.10E-07	1.09E-06	1.01E-05
359.7	4249.3	2.03E-06	3.47E-06	2.70E-06	3.19E-07	1.63E-06	1.01E-05
359.5	4248.8	1.99E-06	3.78E-06	2.25E-06	2.02E-07	1.92E-06	1.01E-05
360.2	4249.8	2.14E-06	3.28E-06	2.66E-06	3.97E-07	1.60E-06	1.01E-05
361.8	4248.4	1.83E-06	4.60E-06	2.12E-06	1.49E-07	1.34E-06	1.00E-05
361.3	4249.6	2.21E-06	3.36E-06	2.58E-06	3.68E-07	1.52E-06	1.00E-05
361.5	4246.9	1.88E-06	5.56E-06	1.17E-06	4.94E-08	1.35E-06	1.00E-05
361.7	4247.1	1.80E-06	5.55E-06	1.28E-06	5.85E-08	1.31E-06	1.00E-05
360.5	4250	2.13E-06	3.26E-06	2.65E-06	3.60E-07	1.59E-06	1.00E-05
361.7	4247.2	1.70E-06	5.65E-06	1.32E-06	6.27E-08	1.25E-06	9.99E-06
361.3	4246.8	2.00E-06	5.51E-06	9.77E-07	4.10E-08	1.42E-06	9.95E-06
360.8	4250	2.07E-06	3.42E-06	2.60E-06	3.30E-07	1.51E-06	9.94E-06
359.6	4249.1	1.94E-06	3.65E-06	2.49E-06	2.67E-07	1.59E-06	9.93E-06
361.8	4248.5	1.81E-06	4.45E-06	2.18E-06	1.56E-07	1.33E-06	9.93E-06
361.2	4249.7	2.10E-06	3.42E-06	2.56E-06	3.71E-07	1.47E-06	9.92E-06
359.495	4247.725	1.72E-06	4.75E-06	1.42E-06	6.61E-08	1.96E-06	9.92E-06
361.6	4247.5	1.59E-06	5.36E-06	1.68E-06	8.65E-08	1.19E-06	9.91E-06
359.459	4247.985	1.58E-06	5.00E-06	1.61E-06	8.55E-08	1.63E-06	9.90E-06
360.9	4250	2.19E-06	3.37E-06	2.46E-06	3.03E-07	1.58E-06	9.89E-06
361.6	4249.2	2.09E-06	3.51E-06	2.59E-06	2.42E-07	1.45E-06	9.88E-06
361.7	4248.9	1.69E-06	4.15E-06	2.54E-06	2.18E-07	1.21E-06	9.80E-06
361.6	4246.9	1.93E-06	5.27E-06	1.17E-06	5.04E-08	1.37E-06	9.80E-06
361.4	4249.4	1.99E-06	3.45E-06	2.64E-06	3.19E-07	1.40E-06	9.79E-06
360.9	4246.9	1.61E-06	6.05E-06	8.80E-07	3.62E-08	1.21E-06	9.78E-06
361.7	4247.3	1.63E-06	5.47E-06	1.39E-06	6.78E-08	1.21E-06	9.77E-06
361.7	4247	1.87E-06	5.28E-06	1.22E-06	5.47E-08	1.34E-06	9.77E-06
361.5	4249.3	2.01E-06	3.44E-06	2.62E-06	2.74E-07	1.42E-06	9.76E-06
361.8	4248.6	1.73E-06	4.36E-06	2.24E-06	1.59E-07	1.27E-06	9.76E-06
361.8	4248.7	1.78E-06	4.27E-06	2.27E-06	1.62E-07	1.27E-06	9.75E-06
361.4	4246.8	1.94E-06	5.35E-06	1.02E-06	4.34E-08	1.38E-06	9.73E-06

TASK 1
CUMULATIVE CHILD CANCER RISK PER LOCATION

RECEPTOR		CHILD CANCER RISK					CUMULATIVE CHILD CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.302	4247.704	1.62E-06	4.32E-04	2.50E-06	7.26E-08	1.67E-06	4.38E-04
360.623	4247.86	2.44E-06	1.37E-04	1.15E-05	8.74E-08	2.37E-06	1.53E-04
360.6	4247.8	2.38E-06	1.25E-04	9.03E-06	7.22E-08	2.30E-06	1.39E-04
360.578	4247.772	2.34E-06	1.22E-04	7.98E-06	6.88E-08	2.28E-06	1.35E-04
360.263	4247.743	2.04E-06	9.34E-05	2.47E-06	7.62E-08	2.22E-06	1.00E-04
360.239	4248.398	2.52E-05	1.54E-05	9.38E-06	5.21E-07	3.37E-05	8.41E-05
360.6	4247.7	2.14E-06	7.01E-05	4.48E-06	5.88E-08	2.00E-06	7.88E-05
360.23	4248.121	2.02E-05	2.28E-05	4.54E-06	1.99E-07	2.68E-05	7.45E-05
360.705	4247.78	2.35E-06	6.38E-05	5.62E-06	8.84E-08	2.08E-06	7.40E-05
360.668	4247.947	2.55E-06	5.99E-05	6.00E-06	1.16E-07	2.47E-06	7.11E-05
360.656	4247.671	2.21E-06	5.64E-05	4.18E-06	7.89E-08	1.97E-06	6.49E-05
360.289	4248.002	6.72E-06	4.47E-05	3.90E-06	1.49E-07	8.34E-06	6.38E-05
360.7	4247.9	2.38E-06	5.25E-05	5.19E-06	9.52E-08	2.22E-06	6.24E-05
360.527	4247.67	1.89E-06	5.53E-05	2.49E-06	5.98E-08	1.82E-06	6.16E-05
360.245	4247.842	3.13E-06	5.07E-05	2.89E-06	9.42E-08	3.54E-06	6.04E-05
360.2	4248.1	1.48E-05	2.01E-05	4.19E-06	1.81E-07	1.94E-05	5.88E-05
360.1	4248.2	1.76E-05	1.16E-05	4.10E-06	2.18E-07	2.37E-05	5.72E-05
360.578	4247.646	1.90E-06	4.74E-05	2.65E-06	5.27E-08	1.77E-06	5.37E-05
360.261	4247.658	1.68E-06	4.52E-05	2.24E-06	6.38E-08	1.78E-06	5.10E-05
360.7	4248	2.46E-06	3.91E-05	4.93E-06	1.29E-07	2.31E-06	4.89E-05
360.5	4249	3.23E-06	1.31E-05	2.19E-05	7.77E-06	2.62E-06	4.86E-05
360.4	4248.912	3.65E-06	1.37E-05	2.27E-05	5.33E-06	3.19E-06	4.86E-05
360.6	4249	2.77E-06	1.35E-05	2.18E-05	8.13E-06	2.20E-06	4.85E-05
360.226	4247.933	4.32E-06	3.29E-05	3.20E-06	1.16E-07	5.08E-06	4.56E-05
360.169	4248.084	1.04E-05	1.75E-05	3.86E-06	1.67E-07	1.33E-05	4.52E-05
360.198	4248.033	8.23E-06	2.23E-05	3.66E-06	1.48E-07	1.03E-05	4.46E-05
360.8	4247.8	2.33E-06	3.46E-05	4.25E-06	1.18E-07	1.98E-06	4.33E-05
360.212	4247.985	5.71E-06	2.69E-05	3.42E-06	1.31E-07	6.92E-06	4.31E-05
360.117	4248.126	1.09E-05	1.32E-05	3.82E-06	1.80E-07	1.42E-05	4.23E-05
360.713	4248.035	2.37E-06	3.24E-05	4.83E-06	1.39E-07	2.18E-06	4.19E-05
360.341	4248.904	3.87E-06	1.21E-05	1.78E-05	3.71E-06	3.47E-06	4.10E-05
360.6	4247.6	1.78E-06	3.51E-05	2.08E-06	4.87E-08	1.62E-06	4.06E-05
360.052	4248.165	1.10E-05	9.97E-06	3.58E-06	1.86E-07	1.46E-05	3.93E-05
360.4	4249	3.63E-06	1.07E-05	1.59E-05	4.53E-06	2.99E-06	3.78E-05
360.8	4247.9	2.30E-06	2.89E-05	4.14E-06	1.50E-07	2.02E-06	3.75E-05
360.7	4249	2.40E-06	1.15E-05	1.66E-05	4.84E-06	1.85E-06	3.72E-05
360.196	4248.694	6.65E-06	1.07E-05	1.11E-05	1.18E-06	7.28E-06	3.70E-05
360.728	4248.992	2.33E-06	1.10E-05	1.54E-05	4.26E-06	1.78E-06	3.48E-05
360.5	4249.1	3.06E-06	9.51E-06	1.42E-05	4.59E-06	2.39E-06	3.38E-05
360.305	4247.6	1.32E-06	2.91E-05	1.88E-06	5.88E-08	1.31E-06	3.37E-05
360.6	4249.1	2.91E-06	9.62E-06	1.42E-05	4.66E-06	2.26E-06	3.37E-05
360.607	4247.562	1.70E-06	2.86E-05	1.76E-06	5.25E-08	1.52E-06	3.36E-05
360.546	4247.561	1.52E-06	2.80E-05	1.49E-06	4.47E-08	1.39E-06	3.24E-05
360.253	4248.902	4.05E-06	9.38E-06	1.22E-05	2.07E-06	3.76E-06	3.14E-05
360.188	4248.787	5.05E-06	9.32E-06	1.05E-05	1.31E-06	5.18E-06	3.13E-05
360.775	4248.017	2.16E-06	2.30E-05	4.07E-06	1.34E-07	1.90E-06	3.13E-05
360.794	4248.896	2.22E-06	1.06E-05	1.31E-05	3.41E-06	1.72E-06	3.11E-05
360.9	4247.9	2.11E-06	2.21E-05	4.35E-06	1.56E-07	1.77E-06	3.05E-05
360.3	4249	3.76E-06	8.71E-06	1.13E-05	2.54E-06	3.21E-06	2.95E-05
360.9	4247.8	2.13E-06	2.18E-05	3.62E-06	1.21E-07	1.76E-06	2.94E-05
360.9	4247.7	2.17E-06	2.17E-05	3.15E-06	9.55E-08	1.74E-06	2.89E-05
360.186	4248.85	4.43E-06	8.52E-06	9.98E-06	1.36E-06	4.35E-06	2.86E-05
360.8	4248	2.10E-06	2.06E-05	3.77E-06	1.29E-07	1.83E-06	2.84E-05
360.7	4249.1	2.66E-06	8.62E-06	1.19E-05	3.23E-06	2.03E-06	2.84E-05
360.03	4248.262	6.75E-06	8.79E-06	3.88E-06	2.29E-07	8.67E-06	2.83E-05
360.4	4249.1	3.15E-06	8.28E-06	1.11E-05	3.06E-06	2.50E-06	2.80E-05
360.9	4248	2.04E-06	1.88E-05	5.05E-06	2.02E-07	1.67E-06	2.78E-05
360.2	4248.9	4.14E-06	8.23E-06	9.93E-06	1.49E-06	3.90E-06	2.77E-05
360.843	4248.678	2.24E-06	1.07E-05	1.10E-05	1.90E-06	1.80E-06	2.76E-05
360.498	4249.157	2.80E-06	7.83E-06	1.07E-05	3.25E-06	2.17E-06	2.68E-05
360.827	4248.784	2.23E-06	9.95E-06	9.63E-06	2.61E-06	1.76E-06	2.62E-05
360.838	4248.485	2.21E-06	1.14E-05	9.65E-06	9.05E-07	1.79E-06	2.59E-05
360.187	4248.927	4.03E-06	7.67E-06	9.11E-06	1.37E-06	3.74E-06	2.59E-05
360.9	4247.6	2.15E-06	1.94E-05	2.55E-06	7.63E-08	1.70E-06	2.59E-05
360.8	4248.102	2.02E-06	1.74E-05	4.54E-06	1.71E-07	1.70E-06	2.58E-05
360.592	4249.185	2.61E-06	7.49E-06	1.02E-05	2.81E-06	2.00E-06	2.52E-05
360.578	4247.5	1.43E-06	2.05E-05	1.28E-06	4.33E-08	1.26E-06	2.45E-05
359.992	4248.193	5.48E-06	8.08E-06	3.30E-06	1.83E-07	6.97E-06	2.40E-05
360.9	4248.1	1.93E-06	1.46E-05	5.44E-06	2.62E-07	1.54E-06	2.38E-05
360.2	4249	3.72E-06	7.06E-06	8.32E-06	1.41E-06	3.28E-06	2.38E-05
360.825	4248.188	2.05E-06	1.40E-05	5.24E-06	2.18E-07	1.70E-06	2.32E-05
360.403	4249.137	2.96E-06	7.03E-06	8.16E-06	2.59E-06	2.34E-06	2.31E-05
360.3	4249.1	3.16E-06	7.00E-06	8.43E-06	1.89E-06	2.58E-06	2.31E-05
360.826	4248.376	2.17E-06	1.12E-05	7.40E-06	3.78E-07	1.78E-06	2.29E-05
360.858	4248.572	2.13E-06	9.29E-06	8.02E-06	9.26E-07	1.73E-06	2.21E-05
361	4247.9	1.86E-06	1.46E-05	3.70E-06	1.51E-07	1.51E-06	2.19E-05
360.9	4247.5	2.01E-06	1.59E-05	1.99E-06	6.20E-08	1.58E-06	2.15E-05
361	4248.7	1.92E-06	7.93E-06	9.27E-06	9.21E-07	1.49E-06	2.15E-05
361	4248	1.91E-06	1.33E-05	4.44E-06	1.91E-07	1.53E-06	2.14E-05

TASK 1
CUMULATIVE CHILD CANCER RISK PER LOCATION

RECEPTOR		CHILD CANCER RISK					CUMULATIVE CHILD CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.334	4249.128	3.03E-06	6.56E-06	7.23E-06	1.98E-06	2.44E-06	2.12E-05
360.85	4248.273	2.09E-06	1.14E-05	5.67E-06	2.70E-07	1.73E-06	2.12E-05
360.8	4249	2.10E-06	7.55E-06	7.19E-06	2.75E-06	1.59E-06	2.12E-05
361	4248.8	2.07E-06	7.35E-06	9.04E-06	1.02E-06	1.62E-06	2.11E-05
360.171	4249.034	3.44E-06	6.32E-06	7.15E-06	1.17E-06	3.00E-06	2.11E-05
361	4247.8	1.95E-06	1.41E-05	3.14E-06	1.21E-07	1.57E-06	2.09E-05
361	4248.1	1.84E-06	1.22E-05	5.09E-06	2.42E-07	1.45E-06	2.08E-05
361	4248.2	1.85E-06	1.13E-05	5.79E-06	3.06E-07	1.46E-06	2.07E-05
361	4248.6	1.85E-06	8.09E-06	8.42E-06	7.74E-07	1.45E-06	2.06E-05
361	4247.7	2.02E-06	1.41E-05	2.67E-06	9.73E-08	1.59E-06	2.05E-05
360.302	4247.5	1.09E-06	1.65E-05	1.36E-06	4.87E-08	1.05E-06	2.01E-05
361	4247.6	2.22E-06	1.36E-05	2.26E-06	7.91E-08	1.68E-06	1.98E-05
360.269	4249.127	3.02E-06	6.11E-06	6.69E-06	1.49E-06	2.47E-06	1.98E-05
360.513	4247.475	1.20E-06	1.63E-05	1.04E-06	3.82E-08	1.06E-06	1.96E-05
360.2	4249.1	3.08E-06	5.92E-06	6.58E-06	1.19E-06	2.60E-06	1.94E-05
360.875	4248.359	2.04E-06	9.54E-06	5.80E-06	3.24E-07	1.65E-06	1.93E-05
360.1	4249	3.37E-06	5.80E-06	6.26E-06	8.62E-07	3.00E-06	1.93E-05
361	4248.9	2.14E-06	6.58E-06	7.88E-06	1.04E-06	1.65E-06	1.93E-05
360.678	4249.21	2.33E-06	6.14E-06	7.05E-06	1.99E-06	1.77E-06	1.93E-05
360.9	4248.2	1.92E-06	1.07E-05	4.46E-06	2.56E-07	1.54E-06	1.89E-05
360.049	4248.941	3.40E-06	5.66E-06	5.81E-06	7.01E-07	3.09E-06	1.87E-05
360.9	4248.5	1.98E-06	8.16E-06	6.14E-06	4.93E-07	1.58E-06	1.83E-05
361	4248.5	1.84E-06	7.88E-06	6.40E-06	6.08E-07	1.44E-06	1.82E-05
360.233	4249.168	2.89E-06	5.58E-06	6.16E-06	1.14E-06	2.35E-06	1.81E-05
359.934	4248.308	3.57E-06	6.73E-06	3.42E-06	2.11E-07	4.12E-06	1.81E-05
361	4247.5	2.21E-06	1.22E-05	1.87E-06	6.51E-08	1.66E-06	1.80E-05
360.9	4249.1	1.95E-06	6.06E-06	7.13E-06	1.35E-06	1.45E-06	1.79E-05
360.9	4248.3	1.97E-06	9.25E-06	4.84E-06	2.67E-07	1.60E-06	1.79E-05
360.9	4248.4	1.96E-06	8.51E-06	5.50E-06	3.35E-07	1.56E-06	1.79E-05
361.1	4248.6	2.00E-06	6.98E-06	6.71E-06	5.55E-07	1.58E-06	1.78E-05
361.1	4248.5	1.84E-06	7.49E-06	6.45E-06	4.77E-07	1.45E-06	1.77E-05
361.1	4248	1.82E-06	1.04E-05	3.82E-06	1.79E-07	1.43E-06	1.76E-05
361.1	4248.7	2.07E-06	6.48E-06	6.81E-06	6.17E-07	1.60E-06	1.76E-05
361.1	4247.9	1.75E-06	1.10E-05	3.31E-06	1.46E-07	1.40E-06	1.76E-05
361.1	4248.1	1.80E-06	9.73E-06	4.38E-06	2.19E-07	1.42E-06	1.76E-05
361.1	4248.3	1.71E-06	8.77E-06	5.33E-06	3.24E-07	1.35E-06	1.75E-05
361	4248.3	1.84E-06	8.66E-06	5.02E-06	3.75E-07	1.46E-06	1.73E-05
360.9	4248.6	1.99E-06	7.39E-06	5.75E-06	6.11E-07	1.59E-06	1.73E-05
361.1	4248.2	1.65E-06	9.27E-06	4.75E-06	2.66E-07	1.30E-06	1.72E-05
361.1	4248.8	2.10E-06	6.03E-06	6.68E-06	6.68E-07	1.61E-06	1.71E-05
360.804	4247.376	1.56E-06	1.28E-05	1.36E-06	4.73E-08	1.26E-06	1.71E-05
361.1	4248.4	1.69E-06	7.90E-06	5.73E-06	3.98E-07	1.32E-06	1.70E-05
360.171	4249.149	2.86E-06	5.21E-06	5.60E-06	9.58E-07	2.38E-06	1.70E-05
360.9	4248.7	1.99E-06	6.85E-06	5.80E-06	7.42E-07	1.58E-06	1.70E-05
361	4249	1.90E-06	5.81E-06	6.80E-06	9.90E-07	1.44E-06	1.69E-05
360.9	4247.4	1.74E-06	1.22E-05	1.51E-06	5.12E-08	1.37E-06	1.69E-05
361	4248.4	1.82E-06	7.77E-06	5.06E-06	4.73E-07	1.43E-06	1.66E-05
360.632	4249.294	2.31E-06	5.17E-06	5.52E-06	1.49E-06	1.76E-06	1.62E-05
360.198	4249.204	2.74E-06	5.00E-06	5.34E-06	9.24E-07	2.23E-06	1.62E-05
361.1	4247.8	1.68E-06	1.03E-05	2.77E-06	1.19E-07	1.33E-06	1.62E-05
361.1	4247.6	1.98E-06	1.04E-05	2.09E-06	8.11E-08	1.50E-06	1.61E-05
360.9	4249.2	2.03E-06	5.29E-06	6.10E-06	1.11E-06	1.52E-06	1.61E-05
360.9	4248.9	1.95E-06	6.18E-06	5.11E-06	1.30E-06	1.49E-06	1.60E-05
361.1	4247.7	1.81E-06	1.03E-05	2.39E-06	9.79E-08	1.42E-06	1.60E-05
361.1	4248.9	2.06E-06	5.52E-06	6.10E-06	6.89E-07	1.56E-06	1.59E-05
360.9	4248.8	1.97E-06	6.25E-06	5.28E-06	8.02E-07	1.54E-06	1.58E-05
360.1	4249.1	2.81E-06	4.85E-06	4.91E-06	8.00E-07	2.41E-06	1.58E-05
359.912	4248.213	2.81E-06	6.61E-06	2.90E-06	1.68E-07	3.23E-06	1.57E-05
360.9	4249	1.92E-06	5.83E-06	4.99E-06	1.50E-06	1.44E-06	1.57E-05
360.549	4247.407	1.13E-06	1.24E-05	9.43E-07	3.73E-08	9.69E-07	1.55E-05
361.1	4247.5	2.04E-06	9.96E-06	1.80E-06	6.79E-08	1.51E-06	1.54E-05
361.2	4248.5	1.86E-06	6.64E-06	5.01E-06	3.75E-07	1.46E-06	1.53E-05
359.9	4248.3	2.74E-06	6.18E-06	3.13E-06	1.94E-07	3.04E-06	1.53E-05
360	4249	2.73E-06	4.86E-06	4.74E-06	5.82E-07	2.37E-06	1.53E-05
361	4249.1	1.84E-06	5.16E-06	5.90E-06	9.15E-07	1.38E-06	1.52E-05
361.2	4248.6	1.94E-06	6.12E-06	5.19E-06	4.19E-07	1.49E-06	1.52E-05
361	4247.4	1.87E-06	1.03E-05	1.51E-06	5.42E-08	1.42E-06	1.51E-05
361.2	4248	1.65E-06	8.70E-06	3.34E-06	1.64E-07	1.29E-06	1.51E-05
361.2	4248.4	1.60E-06	7.08E-06	4.73E-06	3.25E-07	1.26E-06	1.50E-05
360.2	4249.26	2.59E-06	4.60E-06	4.81E-06	8.17E-07	2.07E-06	1.49E-05
361.2	4248.1	1.57E-06	8.11E-06	3.74E-06	1.94E-07	1.24E-06	1.49E-05
360.115	4249.143	2.72E-06	4.59E-06	4.45E-06	7.95E-07	2.29E-06	1.49E-05
361.2	4247.9	1.58E-06	8.96E-06	2.93E-06	1.38E-07	1.24E-06	1.48E-05
361.2	4248.3	1.53E-06	7.48E-06	4.33E-06	2.75E-07	1.20E-06	1.48E-05
360.8	4249.1	2.01E-06	5.36E-06	4.64E-06	1.23E-06	1.51E-06	1.47E-05
360.8	4249.2	1.98E-06	5.10E-06	4.58E-06	1.38E-06	1.48E-06	1.45E-05
359.958	4248.92	2.55E-06	4.81E-06	4.36E-06	5.01E-07	2.25E-06	1.45E-05
361.2	4248.7	1.80E-06	5.59E-06	5.25E-06	4.49E-07	1.38E-06	1.45E-05
361.1	4249	1.80E-06	4.93E-06	5.36E-06	6.64E-07	1.37E-06	1.41E-05
360.9	4249.3	1.88E-06	4.66E-06	5.14E-06	8.89E-07	1.39E-06	1.40E-05

TASK 1
CUMULATIVE CHILD CANCER RISK PER LOCATION

RECEPTOR		CHILD CANCER RISK					CUMULATIVE CHILD CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.585	4249.378	2.25E-06	4.45E-06	4.45E-06	1.08E-06	1.71E-06	1.39E-05
361	4249.2	1.96E-06	4.61E-06	5.08E-06	8.07E-07	1.45E-06	1.39E-05
361.2	4248.8	1.71E-06	5.18E-06	5.18E-06	4.82E-07	1.32E-06	1.39E-05
361.1	4247.4	1.88E-06	8.98E-06	1.53E-06	5.74E-08	1.40E-06	1.39E-05
360.199	4249.312	2.45E-06	4.25E-06	4.32E-06	7.27E-07	1.94E-06	1.37E-05
360.06	4249.18	2.47E-06	4.24E-06	4.25E-06	6.35E-07	2.06E-06	1.37E-05
361.2	4247.8	1.53E-06	8.28E-06	2.51E-06	1.16E-07	1.21E-06	1.36E-05
360	4249.1	2.42E-06	4.27E-06	4.21E-06	5.69E-07	2.05E-06	1.35E-05
361.2	4248.2	1.45E-06	7.08E-06	3.62E-06	2.29E-07	1.14E-06	1.35E-05
360.088	4249.225	2.46E-06	4.17E-06	4.17E-06	6.42E-07	2.02E-06	1.35E-05
361.2	4247.6	1.70E-06	8.41E-06	1.96E-06	8.15E-08	1.31E-06	1.35E-05
360.8	4247.3	1.39E-06	9.76E-06	1.10E-06	4.16E-08	1.11E-06	1.34E-05
361.2	4247.7	1.59E-06	8.18E-06	2.20E-06	9.68E-08	1.24E-06	1.33E-05
361.2	4247.5	1.81E-06	8.30E-06	1.72E-06	6.94E-08	1.36E-06	1.33E-05
361.3	4248.5	1.68E-06	5.88E-06	4.00E-06	2.98E-07	1.31E-06	1.32E-05
360.9	4247.3	1.52E-06	9.24E-06	1.16E-06	4.30E-08	1.19E-06	1.32E-05
361.2	4248.9	1.64E-06	4.78E-06	4.92E-06	5.00E-07	1.26E-06	1.31E-05
360.301	4247.402	8.86E-07	1.01E-05	1.14E-06	4.13E-08	8.48E-07	1.30E-05
361.3	4248.4	1.55E-06	6.13E-06	3.86E-06	2.65E-07	1.23E-06	1.30E-05
361.3	4248	1.38E-06	7.49E-06	2.93E-06	1.47E-07	1.07E-06	1.30E-05
361.3	4248.3	1.47E-06	6.39E-06	3.72E-06	2.33E-07	1.17E-06	1.30E-05
360.8	4249.3	1.91E-06	4.51E-06	4.10E-06	1.03E-06	1.42E-06	1.30E-05
359.839	4248.354	2.25E-06	5.26E-06	2.84E-06	1.90E-07	2.42E-06	1.30E-05
361.3	4247.9	1.45E-06	7.58E-06	2.61E-06	1.27E-07	1.13E-06	1.29E-05
360.256	4247.423	1.12E-06	9.13E-06	1.41E-06	4.15E-08	1.15E-06	1.29E-05
361.3	4248.6	1.63E-06	5.47E-06	4.13E-06	3.24E-07	1.26E-06	1.28E-05
360.7	4249.3	2.10E-06	4.35E-06	3.94E-06	8.16E-07	1.59E-06	1.28E-05
360.6	4249.4	2.18E-06	4.14E-06	3.94E-06	8.81E-07	1.66E-06	1.28E-05
361	4249.3	2.07E-06	4.13E-06	4.31E-06	7.06E-07	1.48E-06	1.27E-05
359.868	4248.894	2.31E-06	4.36E-06	3.61E-06	3.76E-07	2.03E-06	1.27E-05
361.1	4249.1	1.66E-06	4.40E-06	4.71E-06	6.29E-07	1.24E-06	1.26E-05
360.8	4249.4	1.88E-06	4.22E-06	4.22E-06	7.97E-07	1.40E-06	1.25E-05
361	4247.3	1.59E-06	8.40E-06	1.21E-06	4.57E-08	1.21E-06	1.25E-05
361.3	4248.1	1.30E-06	6.88E-06	3.06E-06	1.72E-07	1.02E-06	1.24E-05
360.9	4249.4	1.87E-06	4.13E-06	4.30E-06	7.03E-07	1.38E-06	1.24E-05
361.2	4247.4	1.68E-06	7.84E-06	1.51E-06	5.93E-08	1.26E-06	1.24E-05
360	4249.2	2.29E-06	3.85E-06	3.75E-06	5.22E-07	1.89E-06	1.23E-05
361.3	4248.7	1.56E-06	5.00E-06	4.17E-06	3.41E-07	1.20E-06	1.23E-05
359.9	4249	2.19E-06	4.16E-06	3.65E-06	4.24E-07	1.84E-06	1.23E-05
360.481	4247.39	9.34E-07	9.66E-06	8.03E-07	3.30E-08	8.04E-07	1.22E-05
360.195	4249.375	2.26E-06	3.83E-06	3.74E-06	6.35E-07	1.77E-06	1.22E-05
360.068	4249.275	2.30E-06	3.79E-06	3.70E-06	5.60E-07	1.87E-06	1.22E-05
359.797	4248.242	2.11E-06	5.29E-06	2.39E-06	1.43E-07	2.23E-06	1.22E-05
361.1	4247.3	1.72E-06	7.71E-06	1.27E-06	4.87E-08	1.28E-06	1.20E-05
361.2	4249	1.61E-06	4.29E-06	4.36E-06	4.84E-07	1.22E-06	1.20E-05
360.538	4249.462	2.15E-06	3.83E-06	3.50E-06	7.62E-07	1.63E-06	1.19E-05
359.728	4248.146	1.86E-06	5.86E-06	1.97E-06	1.09E-07	2.01E-06	1.18E-05
361.3	4248.8	1.54E-06	4.61E-06	4.10E-06	3.65E-07	1.17E-06	1.18E-05
361.1	4249.2	1.77E-06	3.98E-06	4.15E-06	5.82E-07	1.30E-06	1.18E-05
361.3	4247.8	1.40E-06	6.88E-06	2.27E-06	1.09E-07	1.10E-06	1.18E-05
360.8	4249.5	1.84E-06	3.88E-06	3.91E-06	6.36E-07	1.37E-06	1.16E-05
359.806	4248.302	1.90E-06	5.00E-06	2.53E-06	1.61E-07	1.99E-06	1.16E-05
360.7	4249.5	1.96E-06	3.80E-06	3.58E-06	7.16E-07	1.48E-06	1.15E-05
361.3	4248.2	1.31E-06	5.98E-06	2.99E-06	2.00E-07	1.04E-06	1.15E-05
361	4249.4	2.06E-06	3.71E-06	3.62E-06	6.04E-07	1.46E-06	1.15E-05
360.771	4247.244	1.24E-06	8.15E-06	9.45E-07	3.80E-08	9.92E-07	1.14E-05
361.4	4248.3	1.41E-06	5.56E-06	3.03E-06	1.98E-07	1.12E-06	1.13E-05
361.3	4248.9	1.54E-06	4.23E-06	3.97E-06	3.80E-07	1.17E-06	1.13E-05
361.3	4247.6	1.55E-06	6.67E-06	1.78E-06	7.95E-08	1.19E-06	1.13E-05
359.9	4249.1	2.04E-06	3.75E-06	3.36E-06	4.20E-07	1.68E-06	1.12E-05
361.4	4247.9	1.29E-06	6.50E-06	2.33E-06	1.15E-07	1.00E-06	1.12E-05
360.7	4249.4	2.01E-06	3.82E-06	3.28E-06	6.21E-07	1.52E-06	1.12E-05
361.3	4247.7	1.45E-06	6.56E-06	2.01E-06	9.30E-08	1.13E-06	1.12E-05
359.8	4248.9	2.10E-06	3.94E-06	3.02E-06	3.09E-07	1.86E-06	1.12E-05
361.4	4248.5	1.48E-06	5.11E-06	3.21E-06	2.39E-07	1.15E-06	1.12E-05
361.4	4248.4	1.42E-06	5.32E-06	3.09E-06	2.19E-07	1.12E-06	1.12E-05
361.4	4248.2	1.31E-06	5.74E-06	2.91E-06	1.75E-07	1.04E-06	1.12E-05
360.9	4249.5	1.90E-06	3.69E-06	3.62E-06	5.58E-07	1.39E-06	1.12E-05
360.191	4249.427	2.11E-06	3.52E-06	3.32E-06	5.69E-07	1.64E-06	1.12E-05
361.2	4247.3	1.57E-06	7.04E-06	1.30E-06	5.11E-08	1.18E-06	1.11E-05
361.4	4248	1.17E-06	6.46E-06	2.46E-06	1.32E-07	9.04E-07	1.11E-05
361.3	4247.5	1.52E-06	6.74E-06	1.58E-06	6.86E-08	1.16E-06	1.11E-05
361.4	4248.6	1.51E-06	4.84E-06	3.31E-06	2.55E-07	1.15E-06	1.11E-05
361.4	4248.1	1.23E-06	6.00E-06	2.70E-06	1.52E-07	9.67E-07	1.10E-05
360.7	4249.6	1.88E-06	3.58E-06	3.58E-06	5.70E-07	1.41E-06	1.10E-05
361.1	4249.3	1.88E-06	3.63E-06	3.62E-06	5.38E-07	1.34E-06	1.10E-05
359.743	4248.646	2.03E-06	3.98E-06	2.62E-06	2.28E-07	2.12E-06	1.10E-05
360	4249.3	2.14E-06	3.39E-06	3.21E-06	4.58E-07	1.75E-06	1.10E-05
360.032	4249.325	2.13E-06	3.40E-06	3.22E-06	4.76E-07	1.72E-06	1.10E-05
359.749	4248.592	1.99E-06	4.04E-06	2.61E-06	2.20E-07	2.09E-06	1.09E-05

TASK 1
CUMULATIVE CHILD CANCER RISK PER LOCATION

RECEPTOR		CHILD CANCER RISK					CUMULATIVE CHILD CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361.2	4249.1	1.63E-06	3.82E-06	3.80E-06	4.57E-07	1.21E-06	1.09E-05
359.7	4248.2	1.80E-06	5.07E-06	1.93E-06	1.12E-07	1.89E-06	1.08E-05
361.4	4248.7	1.55E-06	4.50E-06	3.34E-06	2.65E-07	1.15E-06	1.08E-05
361	4247.2	1.59E-06	6.97E-06	9.94E-07	3.89E-08	1.18E-06	1.08E-05
360.9	4247.2	1.42E-06	7.25E-06	9.44E-07	3.69E-08	1.09E-06	1.07E-05
361.3	4247.4	1.43E-06	6.72E-06	1.43E-06	5.97E-08	1.09E-06	1.07E-05
359.675	4248.099	1.62E-06	5.54E-06	1.73E-06	9.38E-08	1.73E-06	1.07E-05
361.1	4247.2	1.72E-06	6.59E-06	1.05E-06	4.17E-08	1.26E-06	1.07E-05
359.9	4249.2	2.04E-06	3.41E-06	3.11E-06	3.97E-07	1.68E-06	1.06E-05
360.491	4249.545	2.05E-06	3.43E-06	2.97E-06	6.18E-07	1.55E-06	1.06E-05
360.6	4249.5	2.01E-06	3.50E-06	3.03E-06	5.45E-07	1.52E-06	1.06E-05
361.3	4249	1.60E-06	3.83E-06	3.62E-06	3.71E-07	1.20E-06	1.06E-05
361	4249.5	2.03E-06	3.37E-06	3.11E-06	4.94E-07	1.42E-06	1.04E-05
359.754	4248.513	1.76E-06	4.11E-06	2.56E-06	2.03E-07	1.79E-06	1.04E-05
361.4	4248.8	1.56E-06	4.15E-06	3.27E-06	2.83E-07	1.14E-06	1.04E-05
359.755	4248.318	1.68E-06	4.49E-06	2.29E-06	1.50E-07	1.73E-06	1.03E-05
360.8	4249.6	1.76E-06	3.46E-06	3.28E-06	5.10E-07	1.32E-06	1.03E-05
360.8	4247.2	1.19E-06	7.23E-06	8.84E-07	3.58E-08	9.48E-07	1.03E-05
359.751	4248.443	1.70E-06	4.19E-06	2.46E-06	1.83E-07	1.73E-06	1.03E-05
361.1	4249.4	1.93E-06	3.32E-06	3.12E-06	4.89E-07	1.35E-06	1.02E-05
361.4	4247.8	1.25E-06	5.80E-06	2.05E-06	1.01E-07	9.69E-07	1.02E-05
361.3	4247.3	1.38E-06	6.37E-06	1.29E-06	5.23E-08	1.05E-06	1.01E-05
359.8	4249	1.85E-06	3.60E-06	2.83E-06	3.15E-07	1.53E-06	1.01E-05
359.7	4248.7	1.88E-06	3.70E-06	2.40E-06	2.14E-07	1.93E-06	1.01E-05
360.9	4249.6	1.88E-06	3.32E-06	3.07E-06	4.47E-07	1.37E-06	1.01E-05
361.2	4247.2	1.56E-06	6.22E-06	1.10E-06	4.44E-08	1.15E-06	1.01E-05
361.4	4248.9	1.55E-06	3.81E-06	3.20E-06	2.95E-07	1.14E-06	1.00E-05
361.2	4249.2	1.60E-06	3.45E-06	3.34E-06	4.29E-07	1.16E-06	9.98E-06
359.7	4248.8	1.90E-06	3.63E-06	2.39E-06	2.27E-07	1.82E-06	9.98E-06
360.189	4249.503	1.94E-06	3.18E-06	2.86E-06	4.88E-07	1.49E-06	9.97E-06
359.652	4248.019	1.54E-06	5.09E-06	1.55E-06	8.23E-08	1.69E-06	9.96E-06
361.5	4248	1.09E-06	5.69E-06	2.17E-06	1.19E-07	8.48E-07	9.92E-06
361.3	4249.1	1.72E-06	3.42E-06	3.15E-06	3.46E-07	1.24E-06	9.87E-06
361.5	4248.5	1.45E-06	4.49E-06	2.62E-06	1.94E-07	1.11E-06	9.87E-06
361.5	4248.6	1.52E-06	4.30E-06	2.69E-06	2.04E-07	1.13E-06	9.85E-06
361.5	4248.1	1.16E-06	5.30E-06	2.33E-06	1.35E-07	9.14E-07	9.84E-06
361.5	4247.9	1.11E-06	5.69E-06	2.05E-06	1.05E-07	8.56E-07	9.81E-06
359.7	4248.6	1.75E-06	3.71E-06	2.36E-06	1.97E-07	1.80E-06	9.81E-06
361.5	4248.2	1.21E-06	5.02E-06	2.43E-06	1.52E-07	9.60E-07	9.77E-06
360.7	4249.7	1.76E-06	3.20E-06	3.00E-06	4.53E-07	1.31E-06	9.73E-06
361.5	4248.3	1.24E-06	4.83E-06	2.49E-06	1.67E-07	9.84E-07	9.71E-06
361.5	4248.4	1.29E-06	4.65E-06	2.52E-06	1.80E-07	1.01E-06	9.66E-06
361.5	4248.7	1.55E-06	4.03E-06	2.71E-06	2.10E-07	1.12E-06	9.62E-06
361.4	4249	1.62E-06	3.48E-06	3.01E-06	2.92E-07	1.18E-06	9.59E-06
361	4249.6	2.00E-06	3.08E-06	2.70E-06	3.99E-07	1.38E-06	9.56E-06
359.9	4249.3	1.90E-06	3.04E-06	2.71E-06	3.60E-07	1.55E-06	9.56E-06
359.984	4249.373	1.88E-06	3.01E-06	2.73E-06	3.96E-07	1.52E-06	9.54E-06
360.6	4249.6	1.87E-06	3.16E-06	2.64E-06	4.54E-07	1.41E-06	9.53E-06
361.1	4249.5	2.00E-06	3.04E-06	2.67E-06	4.20E-07	1.37E-06	9.50E-06
361	4247.1	1.55E-06	5.94E-06	8.48E-07	3.35E-08	1.13E-06	9.50E-06
360.5	4249.6	1.93E-06	3.10E-06	2.55E-06	4.38E-07	1.47E-06	9.49E-06
359.6	4248.1	1.53E-06	4.78E-06	1.51E-06	8.33E-08	1.57E-06	9.48E-06
359.7	4248.9	1.84E-06	3.39E-06	2.36E-06	2.36E-07	1.65E-06	9.48E-06
361.4	4247.3	1.42E-06	5.71E-06	1.23E-06	5.23E-08	1.06E-06	9.47E-06
361.4	4247.4	1.34E-06	5.74E-06	1.32E-06	5.86E-08	1.02E-06	9.47E-06
360.6	4249.7	1.80E-06	3.09E-06	2.76E-06	4.83E-07	1.34E-06	9.47E-06
361.1	4247.1	1.59E-06	5.78E-06	9.00E-07	3.60E-08	1.16E-06	9.46E-06
361.4	4247.7	1.32E-06	5.23E-06	1.78E-06	8.74E-08	1.02E-06	9.44E-06
361.3	4247.2	1.36E-06	5.83E-06	1.13E-06	4.59E-08	1.02E-06	9.40E-06
359.7	4248.5	1.59E-06	3.76E-06	2.27E-06	1.77E-07	1.56E-06	9.36E-06
361.2	4249.3	1.63E-06	3.18E-06	2.98E-06	3.97E-07	1.17E-06	9.35E-06
359.7	4248.4	1.58E-06	3.88E-06	2.15E-06	1.53E-07	1.58E-06	9.34E-06
359.8	4249.1	1.73E-06	3.24E-06	2.64E-06	3.15E-07	1.40E-06	9.32E-06
359.7	4248.3	1.42E-06	4.28E-06	2.03E-06	1.31E-07	1.44E-06	9.30E-06
359.6	4248.2	1.56E-06	4.48E-06	1.59E-06	9.47E-08	1.56E-06	9.29E-06
359.629	4247.939	1.37E-06	4.82E-06	1.43E-06	7.16E-08	1.56E-06	9.26E-06
360.8	4249.7	1.69E-06	3.11E-06	2.78E-06	4.10E-07	1.26E-06	9.25E-06
361.5	4248.8	1.52E-06	3.72E-06	2.66E-06	2.24E-07	1.09E-06	9.21E-06
360.444	4249.629	1.91E-06	2.99E-06	2.39E-06	4.32E-07	1.45E-06	9.16E-06
361.4	4247.6	1.32E-06	5.19E-06	1.56E-06	7.54E-08	1.01E-06	9.16E-06
361.4	4247.5	1.27E-06	5.43E-06	1.41E-06	6.59E-08	9.74E-07	9.15E-06
360.9	4249.7	1.83E-06	3.01E-06	2.61E-06	3.65E-07	1.32E-06	9.13E-06
360.186	4249.569	1.82E-06	2.92E-06	2.56E-06	4.26E-07	1.39E-06	9.11E-06
361.4	4249.1	1.74E-06	3.14E-06	2.70E-06	2.73E-07	1.23E-06	9.09E-06
359.6	4248	1.40E-06	4.61E-06	1.41E-06	7.43E-08	1.52E-06	9.02E-06
360.771	4247.141	1.07E-06	6.26E-06	8.00E-07	3.29E-08	8.52E-07	9.01E-06
360.9	4247.1	1.27E-06	5.90E-06	8.03E-07	3.20E-08	9.74E-07	8.98E-06
361.3	4249.2	1.65E-06	3.09E-06	2.74E-06	3.25E-07	1.17E-06	8.97E-06
361.6	4248	1.05E-06	5.06E-06	1.94E-06	1.07E-07	8.17E-07	8.97E-06
361.4	4247.2	1.41E-06	5.34E-06	1.12E-06	4.66E-08	1.04E-06	8.96E-06

C-6
RISKS GREATER THAN 1E-5,
TASK 3 DATA
LIFETIME, ADULT, CHILD

TASK 3
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.302	4247.704	3.79E-06	1.00E-03	8.27E-06	1.72E-07	3.86E-06	1.02E-03
360.623	4247.86	5.68E-06	1.99E-04	2.78E-05	2.04E-07	5.53E-06	2.38E-04
360.578	4247.772	5.40E-06	2.04E-04	1.96E-05	1.61E-07	5.29E-06	2.34E-04
360.6	4247.8	5.50E-06	1.98E-04	2.20E-05	1.69E-07	5.35E-06	2.31E-04
360.263	4247.743	4.76E-06	2.12E-04	8.64E-06	1.81E-07	5.13E-06	2.31E-04
360.239	4248.398	5.92E-05	3.06E-05	4.01E-05	1.24E-06	7.93E-05	2.10E-04
360.23	4248.121	4.74E-05	4.49E-05	1.83E-05	4.74E-07	6.31E-05	1.74E-04
360.4	4248.912	8.48E-06	2.89E-05	9.79E-05	1.26E-05	7.41E-06	1.55E-04
360.5	4249	7.45E-06	2.77E-05	9.45E-05	1.83E-05	6.07E-06	1.54E-04
360.6	4249	6.33E-06	2.89E-05	9.44E-05	1.92E-05	5.05E-06	1.54E-04
360.6	4247.7	4.89E-06	1.21E-04	1.15E-05	1.37E-07	4.60E-06	1.42E-04
360.289	4248.002	1.58E-05	9.15E-05	1.46E-05	3.54E-07	1.95E-05	1.42E-04
360.1	4248.2	4.26E-05	2.27E-05	1.72E-05	5.21E-07	5.74E-05	1.40E-04
360.2	4248.1	3.51E-05	3.99E-05	1.70E-05	4.31E-07	4.61E-05	1.39E-04
360.245	4247.842	7.28E-06	1.10E-04	1.06E-05	2.24E-07	8.18E-06	1.36E-04
360.341	4248.904	8.96E-06	2.54E-05	7.69E-05	8.82E-06	8.04E-06	1.28E-04
360.527	4247.67	4.34E-06	1.10E-04	7.24E-06	1.40E-07	4.17E-06	1.26E-04
360.705	4247.78	5.42E-06	9.71E-05	1.48E-05	2.06E-07	4.80E-06	1.22E-04
360.668	4247.947	5.98E-06	9.04E-05	1.70E-05	2.71E-07	5.80E-06	1.19E-04
360.4	4249	8.40E-06	2.25E-05	6.84E-05	1.07E-05	6.93E-06	1.17E-04
360.7	4249	5.45E-06	2.43E-05	7.14E-05	1.14E-05	4.21E-06	1.17E-04
360.656	4247.671	5.03E-06	9.35E-05	1.11E-05	1.83E-07	4.52E-06	1.14E-04
360.261	4247.658	3.88E-06	9.74E-05	7.81E-06	1.51E-07	4.10E-06	1.13E-04
360.728	4248.992	5.28E-06	2.31E-05	6.64E-05	1.00E-05	4.06E-06	1.09E-04
360.169	4248.084	2.48E-05	3.48E-05	1.57E-05	3.99E-07	3.19E-05	1.08E-04
360.196	4248.694	1.55E-05	2.22E-05	4.81E-05	2.81E-06	1.69E-05	1.06E-04
360.7	4247.9	5.55E-06	7.98E-05	1.47E-05	2.23E-07	5.18E-06	1.05E-04
360.578	4247.646	4.33E-06	8.87E-05	7.38E-06	1.23E-07	4.04E-06	1.05E-04
360.5	4249.1	7.02E-06	1.98E-05	6.11E-05	1.09E-05	5.52E-06	1.04E-04
360.6	4249.1	6.65E-06	2.01E-05	6.13E-05	1.10E-05	5.20E-06	1.04E-04
360.198	4248.033	1.94E-05	4.48E-05	1.46E-05	3.52E-07	2.44E-05	1.03E-04
360.117	4248.126	2.63E-05	2.61E-05	1.59E-05	4.30E-07	3.44E-05	1.03E-04
360.226	4247.933	1.00E-05	6.82E-05	1.22E-05	2.76E-07	1.18E-05	1.03E-04
360.212	4247.985	1.34E-05	5.48E-05	1.34E-05	3.12E-07	1.62E-05	9.80E-05
360.052	4248.165	2.66E-05	1.96E-05	1.50E-05	4.45E-07	3.51E-05	9.67E-05
360.794	4248.896	5.07E-06	2.21E-05	5.62E-05	8.02E-06	3.92E-06	9.53E-05
360.253	4248.902	9.33E-06	1.94E-05	5.24E-05	4.94E-06	8.66E-06	9.48E-05
360.188	4248.787	1.17E-05	1.92E-05	4.54E-05	3.13E-06	1.21E-05	9.15E-05
360.3	4249	8.66E-06	1.80E-05	4.86E-05	6.02E-06	7.39E-06	8.87E-05
360.7	4248	5.77E-06	6.05E-05	1.57E-05	3.03E-07	5.44E-06	8.77E-05
360.7	4249.1	6.08E-06	1.79E-05	5.13E-05	7.58E-06	4.65E-06	8.75E-05
360.4	4249.1	7.22E-06	1.71E-05	4.75E-05	7.24E-06	5.76E-06	8.48E-05
360.186	4248.85	1.03E-05	1.75E-05	4.31E-05	3.25E-06	1.01E-05	8.42E-05
360.843	4248.678	5.22E-06	2.16E-05	4.72E-05	4.48E-06	4.19E-06	8.27E-05
360.2	4248.9	9.54E-06	1.69E-05	4.27E-05	3.56E-06	9.02E-06	8.18E-05
360.498	4249.157	6.41E-06	1.62E-05	4.61E-05	7.67E-06	4.99E-06	8.13E-05
360.8	4247.8	5.36E-06	5.63E-05	1.37E-05	2.74E-07	4.57E-06	8.02E-05
360.6	4247.6	4.05E-06	6.57E-05	6.01E-06	1.14E-07	3.69E-06	7.96E-05
360.713	4248.035	5.57E-06	5.08E-05	1.63E-05	3.28E-07	5.14E-06	7.81E-05
360.827	4248.784	5.14E-06	2.04E-05	4.12E-05	6.14E-06	4.05E-06	7.69E-05
360.592	4249.185	5.98E-06	1.55E-05	4.41E-05	6.64E-06	4.60E-06	7.68E-05
360.187	4248.927	9.31E-06	1.57E-05	3.92E-05	3.27E-06	8.66E-06	7.61E-05
360.838	4248.485	5.15E-06	2.18E-05	4.09E-05	2.13E-06	4.16E-06	7.42E-05
360.305	4247.6	3.08E-06	6.03E-05	6.54E-06	1.38E-07	3.02E-06	7.31E-05
360.03	4248.262	1.61E-05	1.73E-05	1.64E-05	5.49E-07	2.07E-05	7.10E-05
360.8	4247.9	5.34E-06	4.62E-05	1.39E-05	3.49E-07	4.70E-06	7.05E-05
360.2	4249	8.56E-06	1.44E-05	3.58E-05	3.36E-06	7.56E-06	6.97E-05
360.3	4249.1	7.23E-06	1.44E-05	3.62E-05	4.47E-06	5.93E-06	6.82E-05
360.403	4249.137	6.79E-06	1.44E-05	3.49E-05	6.12E-06	5.38E-06	6.76E-05
360.546	4247.561	3.47E-06	5.56E-05	4.67E-06	1.05E-07	3.17E-06	6.71E-05
360.607	4247.562	3.85E-06	5.42E-05	5.30E-06	1.23E-07	3.45E-06	6.70E-05
361	4248.7	4.45E-06	1.56E-05	3.96E-05	2.16E-06	3.46E-06	6.52E-05
361	4248.8	4.79E-06	1.46E-05	3.85E-05	2.39E-06	3.74E-06	6.41E-05
360.858	4248.572	4.98E-06	1.80E-05	3.43E-05	2.18E-06	4.02E-06	6.35E-05
360.826	4248.376	5.04E-06	2.04E-05	3.12E-05	8.92E-07	4.12E-06	6.17E-05
360.334	4249.128	6.93E-06	1.35E-05	3.09E-05	4.69E-06	5.59E-06	6.16E-05
360.775	4248.017	5.05E-06	3.69E-05	1.45E-05	3.15E-07	4.47E-06	6.12E-05
360.171	4249.034	7.92E-06	1.29E-05	3.07E-05	2.78E-06	6.93E-06	6.12E-05
361	4248.6	4.32E-06	1.58E-05	3.59E-05	1.81E-06	3.36E-06	6.12E-05
360.8	4249	4.77E-06	1.55E-05	3.07E-05	6.44E-06	3.62E-06	6.10E-05
360.9	4247.9	4.89E-06	3.57E-05	1.57E-05	3.63E-07	4.10E-06	6.07E-05
359.992	4248.193	1.31E-05	1.59E-05	1.39E-05	4.40E-07	1.66E-05	6.00E-05
360.9	4248	4.75E-06	3.09E-05	1.93E-05	4.71E-07	3.91E-06	5.94E-05
361	4248.9	4.91E-06	1.31E-05	3.36E-05	2.44E-06	3.78E-06	5.78E-05
360.9	4247.8	4.89E-06	3.57E-05	1.26E-05	2.82E-07	4.05E-06	5.76E-05
360.269	4249.127	6.90E-06	1.25E-05	2.87E-05	3.53E-06	5.66E-06	5.73E-05
360.678	4249.21	5.33E-06	1.25E-05	3.04E-05	4.68E-06	4.06E-06	5.70E-05
360.8	4248	4.91E-06	3.34E-05	1.36E-05	3.02E-07	4.29E-06	5.64E-05
360.2	4249.1	7.06E-06	1.21E-05	2.82E-05	2.83E-06	5.96E-06	5.62E-05

TASK 3
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.9	4248.1	4.52E-06	2.53E-05	2.18E-05	6.15E-07	3.62E-06	5.59E-05
360.9	4247.7	4.94E-06	3.58E-05	1.06E-05	2.22E-07	3.97E-06	5.55E-05
360.1	4249	7.83E-06	1.17E-05	2.68E-05	2.06E-06	7.00E-06	5.54E-05
360.8	4248.102	4.74E-06	2.87E-05	1.75E-05	4.01E-07	3.99E-06	5.53E-05
360.825	4248.188	4.80E-06	2.37E-05	2.11E-05	5.12E-07	4.00E-06	5.41E-05
360.9	4249.1	4.41E-06	1.23E-05	3.06E-05	3.17E-06	3.29E-06	5.37E-05
360.049	4248.941	7.92E-06	1.14E-05	2.50E-05	1.68E-06	7.22E-06	5.32E-05
360.85	4248.273	4.89E-06	2.00E-05	2.35E-05	6.36E-07	4.06E-06	5.30E-05
360.233	4249.168	6.59E-06	1.14E-05	2.64E-05	2.70E-06	5.39E-06	5.25E-05
361	4248.2	4.32E-06	1.98E-05	2.38E-05	7.21E-07	3.43E-06	5.21E-05
361.1	4248.7	4.79E-06	1.25E-05	2.90E-05	1.45E-06	3.69E-06	5.14E-05
361.1	4248.6	4.63E-06	1.33E-05	2.85E-05	1.30E-06	3.62E-06	5.13E-05
361	4248.5	4.28E-06	1.50E-05	2.71E-05	1.43E-06	3.34E-06	5.12E-05
360.875	4248.359	4.73E-06	1.72E-05	2.43E-05	7.66E-07	3.82E-06	5.09E-05
360.9	4248.5	4.61E-06	1.53E-05	2.60E-05	1.17E-06	3.65E-06	5.07E-05
361	4249	4.34E-06	1.16E-05	2.90E-05	2.32E-06	3.29E-06	5.06E-05
361.1	4248.8	4.89E-06	1.18E-05	2.84E-05	1.57E-06	3.72E-06	5.04E-05
360.578	4247.5	3.25E-06	4.00E-05	4.09E-06	1.01E-07	2.88E-06	5.04E-05
361.1	4248.5	4.25E-06	1.40E-05	2.73E-05	1.12E-06	3.33E-06	5.00E-05
361	4248.1	4.30E-06	2.10E-05	2.06E-05	5.70E-07	3.38E-06	4.99E-05
360.9	4247.6	4.89E-06	3.24E-05	8.49E-06	1.77E-07	3.87E-06	4.98E-05
360.171	4249.149	6.55E-06	1.06E-05	2.40E-05	2.27E-06	5.48E-06	4.89E-05
360.9	4248.6	4.64E-06	1.41E-05	2.46E-05	1.44E-06	3.70E-06	4.85E-05
361	4248	4.43E-06	2.25E-05	1.75E-05	4.47E-07	3.55E-06	4.85E-05
360.9	4248.7	4.64E-06	1.33E-05	2.49E-05	1.74E-06	3.67E-06	4.83E-05
360.9	4248.4	4.55E-06	1.55E-05	2.31E-05	7.94E-07	3.61E-06	4.76E-05
360.9	4249.2	4.62E-06	1.07E-05	2.61E-05	2.62E-06	3.44E-06	4.75E-05
360.632	4249.294	5.28E-06	1.05E-05	2.37E-05	3.52E-06	4.03E-06	4.70E-05
359.934	4248.308	8.58E-06	1.33E-05	1.46E-05	5.07E-07	9.94E-06	4.70E-05
361	4247.9	4.32E-06	2.45E-05	1.41E-05	3.53E-07	3.50E-06	4.67E-05
361.1	4248.9	4.76E-06	1.08E-05	2.59E-05	1.62E-06	3.60E-06	4.67E-05
360.198	4249.204	6.25E-06	1.02E-05	2.28E-05	2.19E-06	5.10E-06	4.65E-05
361.1	4248.4	3.94E-06	1.45E-05	2.40E-05	9.35E-07	3.07E-06	4.64E-05
361.1	4248.3	4.01E-06	1.56E-05	2.21E-05	7.64E-07	3.17E-06	4.56E-05
360.9	4248.3	4.60E-06	1.64E-05	2.02E-05	6.31E-07	3.73E-06	4.55E-05
360.9	4248.2	4.49E-06	1.85E-05	1.82E-05	6.03E-07	3.63E-06	4.55E-05
361	4248.3	4.29E-06	1.58E-05	2.09E-05	8.85E-07	3.41E-06	4.53E-05
360.9	4248.9	4.47E-06	1.23E-05	2.18E-05	3.06E-06	3.42E-06	4.51E-05
361	4249.1	4.18E-06	1.03E-05	2.52E-05	2.15E-06	3.13E-06	4.50E-05
360.1	4249.1	6.50E-06	9.80E-06	2.10E-05	1.90E-06	5.60E-06	4.48E-05
360.9	4248.8	4.54E-06	1.22E-05	2.24E-05	1.90E-06	3.54E-06	4.47E-05
360.302	4247.5	2.54E-06	3.45E-05	5.04E-06	1.14E-07	2.43E-06	4.46E-05
361	4248.4	4.23E-06	1.45E-05	2.12E-05	1.11E-06	3.31E-06	4.44E-05
360.9	4249	4.36E-06	1.17E-05	2.13E-05	3.51E-06	3.28E-06	4.42E-05
361	4247.8	4.48E-06	2.39E-05	1.17E-05	2.82E-07	3.61E-06	4.40E-05
361.1	4248.2	3.85E-06	1.63E-05	1.95E-05	6.26E-07	3.05E-06	4.34E-05
360	4249	6.35E-06	9.69E-06	2.03E-05	1.39E-06	5.53E-06	4.33E-05
361.1	4248.1	4.19E-06	1.70E-05	1.78E-05	5.16E-07	3.31E-06	4.29E-05
360.2	4249.26	5.90E-06	9.33E-06	2.06E-05	1.94E-06	4.74E-06	4.25E-05
361.2	4248.6	4.46E-06	1.15E-05	2.20E-05	9.83E-07	3.40E-06	4.23E-05
361	4247.7	4.62E-06	2.39E-05	9.68E-06	2.26E-07	3.64E-06	4.21E-05
360.9	4247.5	4.55E-06	2.71E-05	6.63E-06	1.45E-07	3.58E-06	4.20E-05
361.2	4248.5	4.30E-06	1.22E-05	2.11E-05	8.82E-07	3.36E-06	4.18E-05
360.115	4249.143	6.26E-06	9.27E-06	1.91E-05	1.88E-06	5.31E-06	4.18E-05
360.513	4247.475	2.75E-06	3.29E-05	3.53E-06	8.98E-08	2.44E-06	4.17E-05
360.8	4249.1	4.56E-06	1.07E-05	1.97E-05	2.91E-06	3.44E-06	4.13E-05
361.2	4248.7	4.16E-06	1.06E-05	2.22E-05	1.06E-06	3.19E-06	4.13E-05
361.1	4248	4.22E-06	1.79E-05	1.53E-05	4.21E-07	3.32E-06	4.12E-05
361.1	4249	4.14E-06	9.61E-06	2.27E-05	1.56E-06	3.14E-06	4.11E-05
360.8	4249.2	4.50E-06	1.02E-05	1.95E-05	3.24E-06	3.38E-06	4.09E-05
360.9	4249.3	4.29E-06	9.31E-06	2.20E-05	2.09E-06	3.18E-06	4.08E-05
359.958	4248.92	5.92E-06	9.60E-06	1.88E-05	1.20E-06	5.24E-06	4.07E-05
361	4249.2	4.46E-06	9.21E-06	2.17E-05	1.90E-06	3.29E-06	4.06E-05
361	4247.6	5.05E-06	2.31E-05	7.97E-06	1.84E-07	3.83E-06	4.02E-05
359.912	4248.213	6.70E-06	1.30E-05	1.23E-05	4.03E-07	7.70E-06	4.01E-05
361.2	4248.8	3.96E-06	9.92E-06	2.20E-05	1.14E-06	3.06E-06	4.01E-05
359.9	4248.3	6.56E-06	1.23E-05	1.34E-05	4.66E-07	7.31E-06	4.00E-05
361.2	4248.4	3.73E-06	1.28E-05	1.97E-05	7.62E-07	2.92E-06	3.99E-05
360.585	4249.378	5.13E-06	8.96E-06	1.91E-05	2.56E-06	3.91E-06	3.96E-05
361.1	4247.9	4.06E-06	1.89E-05	1.30E-05	3.42E-07	3.23E-06	3.95E-05
360.199	4249.312	5.57E-06	8.58E-06	1.84E-05	1.72E-06	4.43E-06	3.87E-05
360.06	4249.18	5.71E-06	8.50E-06	1.82E-05	1.50E-06	4.79E-06	3.87E-05
360	4249.1	5.62E-06	8.54E-06	1.80E-05	1.35E-06	4.78E-06	3.83E-05
361.2	4248.3	3.58E-06	1.33E-05	1.79E-05	6.47E-07	2.83E-06	3.83E-05
360.088	4249.225	5.67E-06	8.36E-06	1.78E-05	1.52E-06	4.68E-06	3.80E-05
361.2	4248.9	3.80E-06	9.20E-06	2.09E-05	1.18E-06	2.91E-06	3.80E-05
361.1	4249.1	3.79E-06	8.61E-06	2.00E-05	1.48E-06	2.82E-06	3.67E-05
360.8	4249.3	4.35E-06	9.00E-06	1.75E-05	2.41E-06	3.25E-06	3.65E-05
361.2	4248.1	3.66E-06	1.43E-05	1.52E-05	4.58E-07	2.89E-06	3.65E-05

TASK 3
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361	4249.3	4.71E-06	8.21E-06	1.84E-05	1.66E-06	3.38E-06	3.63E-05
361	4247.5	4.99E-06	2.08E-05	6.52E-06	1.52E-07	3.73E-06	3.61E-05
360.6	4249.4	4.97E-06	8.30E-06	1.69E-05	2.08E-06	3.79E-06	3.60E-05
360.7	4249.3	4.79E-06	8.65E-06	1.69E-05	1.92E-06	3.65E-06	3.59E-05
360.8	4249.4	4.29E-06	8.42E-06	1.81E-05	1.87E-06	3.20E-06	3.59E-05
361.1	4247.8	3.88E-06	1.79E-05	1.07E-05	2.79E-07	3.06E-06	3.59E-05
361.2	4248	3.84E-06	1.51E-05	1.34E-05	3.87E-07	2.99E-06	3.58E-05
360.9	4249.4	4.27E-06	8.19E-06	1.83E-05	1.65E-06	3.15E-06	3.56E-05
359.868	4248.894	5.37E-06	8.67E-06	1.56E-05	9.02E-07	4.72E-06	3.52E-05
361.3	4248.5	3.87E-06	1.07E-05	1.68E-05	6.99E-07	3.00E-06	3.50E-05
361.3	4248.6	3.76E-06	1.00E-05	1.74E-05	7.61E-07	2.88E-06	3.48E-05
360	4249.2	5.30E-06	7.67E-06	1.60E-05	1.24E-06	4.41E-06	3.46E-05
361.1	4247.7	4.15E-06	1.79E-05	9.07E-06	2.28E-07	3.24E-06	3.46E-05
361.2	4248.2	3.39E-06	1.28E-05	1.49E-05	5.40E-07	2.68E-06	3.44E-05
359.839	4248.354	5.37E-06	1.05E-05	1.22E-05	4.56E-07	5.82E-06	3.44E-05
361.2	4249	3.72E-06	8.24E-06	1.84E-05	1.14E-06	2.81E-06	3.43E-05
360.068	4249.275	5.30E-06	7.58E-06	1.58E-05	1.33E-06	4.33E-06	3.43E-05
360.195	4249.375	5.14E-06	7.71E-06	1.59E-05	1.50E-06	4.04E-06	3.43E-05
359.9	4249	5.08E-06	8.23E-06	1.57E-05	1.02E-06	4.28E-06	3.43E-05
361.3	4248.4	3.60E-06	1.11E-05	1.61E-05	6.24E-07	2.85E-06	3.42E-05
361.2	4247.9	3.66E-06	1.56E-05	1.17E-05	3.26E-07	2.87E-06	3.41E-05
361.3	4248.7	3.61E-06	9.28E-06	1.76E-05	8.03E-07	2.76E-06	3.40E-05
360.804	4247.376	3.51E-06	2.30E-05	4.56E-06	1.10E-07	2.84E-06	3.40E-05
361.1	4247.6	4.52E-06	1.81E-05	7.71E-06	1.89E-07	3.43E-06	3.39E-05
361.1	4249.2	4.03E-06	7.82E-06	1.77E-05	1.36E-06	2.95E-06	3.38E-05
361.3	4248.3	3.43E-06	1.15E-05	1.54E-05	5.46E-07	2.74E-06	3.36E-05
360.9	4247.4	3.91E-06	2.14E-05	5.14E-06	1.20E-07	3.09E-06	3.36E-05
360.8	4249.5	4.20E-06	7.69E-06	1.68E-05	1.49E-06	3.14E-06	3.33E-05
361.3	4248.8	3.55E-06	8.65E-06	1.73E-05	8.61E-07	2.72E-06	3.31E-05
360.538	4249.462	4.87E-06	7.65E-06	1.49E-05	1.80E-06	3.71E-06	3.29E-05
360.7	4249.5	4.48E-06	7.58E-06	1.55E-05	1.69E-06	3.38E-06	3.26E-05
360.549	4247.407	2.59E-06	2.44E-05	3.24E-06	8.76E-08	2.23E-06	3.25E-05
361	4249.4	4.70E-06	7.33E-06	1.54E-05	1.42E-06	3.32E-06	3.22E-05
361.3	4248.9	3.56E-06	8.03E-06	1.68E-05	8.97E-07	2.72E-06	3.20E-05
361.1	4247.5	4.62E-06	1.70E-05	6.51E-06	1.58E-07	3.44E-06	3.18E-05
360.9	4249.5	4.34E-06	7.28E-06	1.55E-05	1.31E-06	3.17E-06	3.16E-05
360.7	4249.6	4.28E-06	7.12E-06	1.55E-05	1.35E-06	3.21E-06	3.14E-05
359.9	4249.1	4.73E-06	7.40E-06	1.44E-05	1.00E-06	3.92E-06	3.14E-05
359.797	4248.242	5.00E-06	1.04E-05	1.02E-05	3.43E-07	5.30E-06	3.12E-05
360.7	4249.4	4.58E-06	7.56E-06	1.41E-05	1.47E-06	3.48E-06	3.12E-05
361.2	4247.8	3.55E-06	1.46E-05	9.94E-06	2.72E-07	2.79E-06	3.12E-05
361.1	4249.3	4.29E-06	7.14E-06	1.54E-05	1.26E-06	3.06E-06	3.11E-05
360.191	4249.427	4.79E-06	7.08E-06	1.41E-05	1.35E-06	3.74E-06	3.11E-05
361.2	4249.1	3.76E-06	7.36E-06	1.61E-05	1.07E-06	2.78E-06	3.10E-05
361.3	4248	3.21E-06	1.31E-05	1.18E-05	3.46E-07	2.50E-06	3.09E-05
359.8	4248.9	4.91E-06	7.82E-06	1.30E-05	7.41E-07	4.36E-06	3.09E-05
361	4247.4	4.20E-06	1.78E-05	5.29E-06	1.26E-07	3.19E-06	3.06E-05
360.032	4249.325	4.90E-06	6.77E-06	1.37E-05	1.13E-06	3.99E-06	3.05E-05
360	4249.3	4.94E-06	6.74E-06	1.37E-05	1.09E-06	4.05E-06	3.05E-05
359.806	4248.302	4.53E-06	9.99E-06	1.08E-05	3.87E-07	4.78E-06	3.05E-05
361.3	4248.1	3.05E-06	1.21E-05	1.24E-05	4.04E-07	2.39E-06	3.04E-05
361.3	4247.9	3.37E-06	1.33E-05	1.04E-05	3.00E-07	2.62E-06	3.00E-05
361.3	4249	3.72E-06	7.29E-06	1.53E-05	8.74E-07	2.78E-06	2.99E-05
360.301	4247.402	2.08E-06	2.11E-05	4.41E-06	9.68E-08	1.98E-06	2.97E-05
361.2	4247.7	3.66E-06	1.43E-05	8.58E-06	2.26E-07	2.86E-06	2.97E-05
359.9	4249.2	4.73E-06	6.72E-06	1.33E-05	9.43E-07	3.91E-06	2.96E-05
360.256	4247.423	2.58E-06	1.86E-05	5.57E-06	9.75E-08	2.63E-06	2.95E-05
359.728	4248.146	4.43E-06	1.17E-05	8.29E-06	2.62E-07	4.76E-06	2.94E-05
361.4	4248.6	3.48E-06	8.83E-06	1.39E-05	5.97E-07	2.63E-06	2.94E-05
359.743	4248.646	4.71E-06	7.92E-06	1.13E-05	5.49E-07	4.92E-06	2.94E-05
360.6	4249.5	4.56E-06	6.95E-06	1.31E-05	1.29E-06	3.47E-06	2.93E-05
361.4	4248.5	3.41E-06	9.28E-06	1.34E-05	5.59E-07	2.65E-06	2.93E-05
359.749	4248.592	4.64E-06	8.02E-06	1.12E-05	5.28E-07	4.86E-06	2.93E-05
361.3	4248.2	3.08E-06	1.09E-05	1.23E-05	4.69E-07	2.44E-06	2.92E-05
360.8	4249.6	4.02E-06	6.81E-06	1.41E-05	1.20E-06	3.01E-06	2.92E-05
361.2	4247.6	3.89E-06	1.46E-05	7.45E-06	1.90E-07	3.00E-06	2.92E-05
361.4	4248.7	3.58E-06	8.22E-06	1.40E-05	6.24E-07	2.64E-06	2.91E-05
360.491	4249.545	4.62E-06	6.84E-06	1.26E-05	1.45E-06	3.53E-06	2.90E-05
361.4	4248.4	3.30E-06	9.66E-06	1.29E-05	5.15E-07	2.61E-06	2.89E-05
361.4	4248.3	3.29E-06	1.00E-05	1.25E-05	4.65E-07	2.62E-06	2.89E-05
361	4249.5	4.63E-06	6.61E-06	1.32E-05	1.16E-06	3.23E-06	2.88E-05
361.1	4249.4	4.40E-06	6.53E-06	1.32E-05	1.15E-06	3.07E-06	2.84E-05
361.1	4247.4	4.25E-06	1.53E-05	5.47E-06	1.34E-07	3.15E-06	2.83E-05
361.4	4248.8	3.59E-06	7.61E-06	1.38E-05	6.69E-07	2.64E-06	2.83E-05
360.9	4249.6	4.30E-06	6.52E-06	1.32E-05	1.05E-06	3.13E-06	2.81E-05
361.2	4249.2	3.67E-06	6.68E-06	1.41E-05	1.01E-06	2.66E-06	2.81E-05
361.2	4247.5	4.14E-06	1.43E-05	6.42E-06	1.62E-07	3.10E-06	2.81E-05
361.4	4248.2	3.06E-06	1.02E-05	1.20E-05	4.09E-07	2.44E-06	2.81E-05
359.754	4248.513	4.14E-06	8.16E-06	1.10E-05	4.88E-07	4.26E-06	2.80E-05

TASK 3
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
359.8	4249	4.28E-06	7.10E-06	1.22E-05	7.57E-07	3.56E-06	2.79E-05
360.725	4249.695	4.14E-06	6.32E-06	1.30E-05	1.06E-06	3.08E-06	2.76E-05
359.751	4248.443	4.04E-06	8.37E-06	1.05E-05	4.39E-07	4.14E-06	2.75E-05
361.4	4248.9	3.58E-06	7.07E-06	1.35E-05	6.97E-07	2.63E-06	2.75E-05
361.3	4249.1	3.98E-06	6.52E-06	1.33E-05	8.12E-07	2.86E-06	2.75E-05
360.189	4249.503	4.42E-06	6.35E-06	1.21E-05	1.15E-06	3.40E-06	2.75E-05
360.8	4247.3	3.13E-06	1.78E-05	3.82E-06	9.71E-08	2.51E-06	2.74E-05
361.3	4247.8	3.26E-06	1.22E-05	9.07E-06	2.58E-07	2.54E-06	2.73E-05
359.7	4248.2	4.31E-06	1.00E-05	8.17E-06	2.70E-07	4.53E-06	2.73E-05
360.7	4249.7	4.00E-06	6.30E-06	1.29E-05	1.07E-06	2.98E-06	2.73E-05
359.755	4248.318	4.00E-06	8.96E-06	9.79E-06	3.61E-07	4.16E-06	2.73E-05
361.4	4248.1	2.88E-06	1.07E-05	1.10E-05	3.57E-07	2.26E-06	2.71E-05
359.7	4248.7	4.38E-06	7.39E-06	1.03E-05	5.15E-07	4.47E-06	2.71E-05
359.7	4248.8	4.47E-06	7.28E-06	1.03E-05	5.46E-07	4.28E-06	2.69E-05
360.9	4247.3	3.41E-06	1.65E-05	4.07E-06	1.01E-07	2.67E-06	2.68E-05
360.481	4247.39	2.17E-06	1.96E-05	2.92E-06	7.78E-08	1.87E-06	2.67E-05
359.675	4248.099	3.87E-06	1.11E-05	7.23E-06	2.26E-07	4.13E-06	2.65E-05
361.4	4247.9	3.01E-06	1.15E-05	9.34E-06	2.72E-07	2.34E-06	2.64E-05
361.4	4248	2.74E-06	1.14E-05	9.85E-06	3.12E-07	2.12E-06	2.64E-05
361.4	4249	3.75E-06	6.51E-06	1.27E-05	6.89E-07	2.73E-06	2.64E-05
359.984	4249.373	4.35E-06	5.95E-06	1.16E-05	9.39E-07	3.51E-06	2.64E-05
359.9	4249.3	4.40E-06	5.97E-06	1.15E-05	8.53E-07	3.61E-06	2.63E-05
359.7	4248.6	4.11E-06	7.36E-06	1.01E-05	4.74E-07	4.23E-06	2.63E-05
360.6	4249.7	4.05E-06	6.10E-06	1.19E-05	1.14E-06	3.05E-06	2.62E-05
361.2	4249.3	3.74E-06	6.18E-06	1.26E-05	9.32E-07	2.66E-06	2.61E-05
360.6	4249.6	4.22E-06	6.24E-06	1.14E-05	1.08E-06	3.20E-06	2.61E-05
361	4249.6	4.55E-06	6.02E-06	1.14E-05	9.32E-07	3.16E-06	2.61E-05
361.1	4249.5	4.56E-06	5.96E-06	1.13E-05	9.86E-07	3.12E-06	2.59E-05
360.8	4249.7	3.85E-06	6.09E-06	1.20E-05	9.67E-07	2.87E-06	2.58E-05
361.2	4247.4	3.82E-06	1.34E-05	5.53E-06	1.38E-07	2.87E-06	2.57E-05
359.7	4248.9	4.30E-06	6.74E-06	1.02E-05	5.66E-07	3.91E-06	2.57E-05
361.5	4248.6	3.50E-06	7.86E-06	1.13E-05	4.78E-07	2.59E-06	2.57E-05
361.3	4247.7	3.35E-06	1.15E-05	7.95E-06	2.19E-07	2.61E-06	2.56E-05
359.8	4249.1	3.98E-06	6.37E-06	1.13E-05	7.54E-07	3.24E-06	2.56E-05
360.5	4249.6	4.36E-06	6.13E-06	1.08E-05	1.03E-06	3.33E-06	2.56E-05
361	4247.3	3.57E-06	1.48E-05	4.29E-06	1.07E-07	2.73E-06	2.55E-05
361.5	4248.5	3.36E-06	8.22E-06	1.09E-05	4.54E-07	2.56E-06	2.55E-05
361.5	4248.7	3.55E-06	7.35E-06	1.14E-05	4.96E-07	2.57E-06	2.53E-05
359.7	4248.5	3.76E-06	7.50E-06	9.75E-06	4.25E-07	3.74E-06	2.52E-05
360.9	4249.7	4.17E-06	5.87E-06	1.12E-05	8.57E-07	3.02E-06	2.51E-05
361.3	4247.6	3.56E-06	1.16E-05	6.90E-06	1.86E-07	2.72E-06	2.50E-05
360.186	4249.569	4.15E-06	5.80E-06	1.08E-05	1.00E-06	3.18E-06	2.49E-05
359.7	4248.4	3.74E-06	7.79E-06	9.21E-06	3.69E-07	3.79E-06	2.49E-05
361.1	4247.3	3.87E-06	1.34E-05	4.55E-06	1.14E-07	2.87E-06	2.48E-05
361.4	4249.1	4.03E-06	5.89E-06	1.14E-05	6.40E-07	2.84E-06	2.48E-05
361.5	4248.4	2.99E-06	8.48E-06	1.05E-05	4.24E-07	2.36E-06	2.47E-05
361.3	4249.2	3.80E-06	5.89E-06	1.16E-05	7.63E-07	2.69E-06	2.47E-05
360.444	4249.629	4.30E-06	5.91E-06	1.02E-05	1.02E-06	3.29E-06	2.47E-05
359.652	4248.019	3.70E-06	1.03E-05	6.48E-06	1.98E-07	4.05E-06	2.47E-05
361.5	4248.3	2.89E-06	8.69E-06	1.03E-05	3.94E-07	2.30E-06	2.45E-05
361.5	4248.8	3.48E-06	6.77E-06	1.11E-05	5.30E-07	2.49E-06	2.44E-05
360.6	4249.8	3.85E-06	5.64E-06	1.11E-05	9.20E-07	2.87E-06	2.44E-05
361.2	4249.4	3.80E-06	5.77E-06	1.13E-05	8.82E-07	2.67E-06	2.44E-05
361.5	4248.2	2.82E-06	8.94E-06	9.96E-06	3.56E-07	2.25E-06	2.43E-05
360.7	4249.8	3.83E-06	5.66E-06	1.11E-05	8.69E-07	2.83E-06	2.43E-05
360.2	4249.6	4.05E-06	5.68E-06	1.05E-05	9.67E-07	3.09E-06	2.43E-05
359.7	4248.3	3.38E-06	8.46E-06	8.65E-06	3.15E-07	3.42E-06	2.42E-05
361.5	4248.1	2.71E-06	9.47E-06	9.51E-06	3.15E-07	2.14E-06	2.42E-05
361.3	4247.5	3.49E-06	1.17E-05	6.03E-06	1.60E-07	2.66E-06	2.41E-05
361.4	4247.8	2.90E-06	1.04E-05	8.27E-06	2.37E-07	2.25E-06	2.40E-05
359.8	4249.2	3.83E-06	5.84E-06	1.06E-05	7.22E-07	3.08E-06	2.40E-05
359.939	4249.397	4.01E-06	5.47E-06	1.04E-05	8.23E-07	3.23E-06	2.39E-05
361.5	4248.9	3.49E-06	6.29E-06	1.10E-05	5.51E-07	2.49E-06	2.38E-05
359.627	4248.675	3.93E-06	6.58E-06	8.84E-06	4.26E-07	3.98E-06	2.38E-05
361.5	4248	2.56E-06	1.01E-05	8.74E-06	2.80E-07	1.99E-06	2.37E-05
360.771	4247.244	2.79E-06	1.51E-05	3.36E-06	8.86E-08	2.24E-06	2.36E-05
361	4249.7	4.25E-06	5.52E-06	1.00E-05	7.63E-07	2.97E-06	2.35E-05
359.6	4248.1	3.64E-06	9.52E-06	6.32E-06	2.00E-07	3.71E-06	2.34E-05
359.6	4248.2	3.73E-06	8.96E-06	6.73E-06	2.28E-07	3.73E-06	2.34E-05
359.7	4249	3.77E-06	6.16E-06	9.62E-06	5.77E-07	3.19E-06	2.33E-05
361.1	4249.6	4.27E-06	5.48E-06	9.73E-06	8.28E-07	2.93E-06	2.32E-05
361.5	4249	3.68E-06	5.83E-06	1.06E-05	5.53E-07	2.60E-06	2.32E-05
361.2	4247.3	3.56E-06	1.21E-05	4.73E-06	1.19E-07	2.66E-06	2.32E-05
361.5	4247.9	2.58E-06	1.01E-05	8.21E-06	2.48E-07	2.00E-06	2.31E-05
361.2	4249.5	4.10E-06	5.38E-06	9.83E-06	8.20E-07	2.81E-06	2.29E-05
359.629	4247.939	3.33E-06	9.69E-06	5.94E-06	1.72E-07	3.79E-06	2.29E-05
360.8	4249.8	3.64E-06	5.50E-06	1.03E-05	7.93E-07	2.69E-06	2.29E-05
361.3	4247.4	3.27E-06	1.16E-05	5.38E-06	1.39E-07	2.50E-06	2.29E-05
361.6	4248.6	3.51E-06	7.05E-06	9.30E-06	3.87E-07	2.54E-06	2.28E-05

TASK 3
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.5	4249.7	4.04E-06	5.48E-06	9.30E-06	8.31E-07	3.08E-06	2.27E-05
359.9	4249.4	3.85E-06	5.23E-06	9.78E-06	7.54E-07	3.11E-06	2.27E-05
360.9	4249.8	4.01E-06	5.36E-06	9.69E-06	7.10E-07	2.88E-06	2.26E-05
359.628	4248.588	3.50E-06	6.58E-06	8.68E-06	3.98E-07	3.45E-06	2.26E-05
359.8	4249.3	3.86E-06	5.30E-06	9.59E-06	6.71E-07	3.14E-06	2.26E-05
360.178	4249.644	3.92E-06	5.27E-06	9.52E-06	8.54E-07	2.99E-06	2.26E-05
361.6	4248.5	3.34E-06	7.32E-06	9.00E-06	3.71E-07	2.49E-06	2.25E-05
361	4247.2	3.56E-06	1.25E-05	3.58E-06	9.10E-08	2.65E-06	2.24E-05
359.6	4248	3.36E-06	9.30E-06	5.88E-06	1.79E-07	3.63E-06	2.24E-05
360.397	4249.713	4.00E-06	5.37E-06	8.97E-06	9.09E-07	3.06E-06	2.23E-05
361.3	4249.3	3.41E-06	5.44E-06	1.03E-05	7.12E-07	2.42E-06	2.23E-05
361.1	4247.2	3.85E-06	1.17E-05	3.81E-06	9.74E-08	2.81E-06	2.23E-05
360.9	4247.2	3.19E-06	1.31E-05	3.39E-06	8.64E-08	2.44E-06	2.22E-05
361.4	4247.7	3.07E-06	9.34E-06	7.14E-06	2.06E-07	2.36E-06	2.21E-05
361.4	4249.2	3.63E-06	5.33E-06	9.95E-06	6.01E-07	2.57E-06	2.21E-05
361.6	4248.7	3.29E-06	6.65E-06	9.38E-06	4.00E-07	2.36E-06	2.21E-05
359.7	4249.1	3.60E-06	5.69E-06	9.26E-06	5.75E-07	2.94E-06	2.21E-05
359.628	4248.5	3.41E-06	6.63E-06	8.37E-06	3.65E-07	3.28E-06	2.21E-05
359.606	4247.882	3.37E-06	8.93E-06	5.62E-06	1.54E-07	3.90E-06	2.20E-05
361.5	4249.1	3.74E-06	5.34E-06	9.73E-06	5.20E-07	2.63E-06	2.20E-05
359.6	4248.8	3.65E-06	6.03E-06	8.28E-06	4.27E-07	3.55E-06	2.19E-05
361.6	4248.4	2.96E-06	7.42E-06	8.63E-06	3.50E-07	2.29E-06	2.17E-05
360.7	4249.9	3.58E-06	5.12E-06	9.58E-06	7.09E-07	2.63E-06	2.16E-05
361.6	4248.1	2.64E-06	8.45E-06	8.16E-06	2.79E-07	2.09E-06	2.16E-05
359.626	4248.301	2.98E-06	7.91E-06	7.47E-06	2.77E-07	2.96E-06	2.16E-05
361.6	4248.2	2.78E-06	7.94E-06	8.32E-06	3.10E-07	2.21E-06	2.16E-05
361.6	4248.3	2.88E-06	7.57E-06	8.48E-06	3.33E-07	2.26E-06	2.15E-05
359.555	4248.218	3.44E-06	8.23E-06	6.25E-06	2.18E-07	3.36E-06	2.15E-05
361	4249.8	4.06E-06	5.10E-06	8.86E-06	6.32E-07	2.84E-06	2.15E-05
361.6	4248	2.45E-06	9.00E-06	7.86E-06	2.50E-07	1.91E-06	2.15E-05
360.8	4247.2	2.70E-06	1.34E-05	3.19E-06	8.38E-08	2.14E-06	2.15E-05
360.2	4249.7	3.72E-06	5.05E-06	9.02E-06	7.92E-07	2.82E-06	2.14E-05
361.3	4247.3	3.15E-06	1.09E-05	4.78E-06	1.22E-07	2.39E-06	2.14E-05
359.629	4248.371	3.00E-06	7.22E-06	7.79E-06	3.08E-07	3.00E-06	2.13E-05
360.6	4249.9	3.58E-06	5.01E-06	9.24E-06	7.42E-07	2.67E-06	2.12E-05
361.2	4247.2	3.51E-06	1.09E-05	4.04E-06	1.03E-07	2.59E-06	2.11E-05
361.5	4247.8	2.56E-06	9.01E-06	7.33E-06	2.19E-07	1.97E-06	2.11E-05
361.3	4249.4	3.50E-06	5.11E-06	9.35E-06	6.70E-07	2.44E-06	2.11E-05
361.6	4248.8	3.06E-06	6.17E-06	9.16E-06	4.27E-07	2.20E-06	2.10E-05
361.1	4249.7	3.81E-06	5.08E-06	8.64E-06	6.92E-07	2.65E-06	2.09E-05
361.4	4247.6	3.05E-06	9.14E-06	6.17E-06	1.77E-07	2.33E-06	2.09E-05
359.888	4249.439	3.57E-06	4.87E-06	8.85E-06	6.96E-07	2.86E-06	2.09E-05
359.524	4248.149	3.37E-06	8.27E-06	5.73E-06	1.88E-07	3.30E-06	2.09E-05
359.6	4248.9	3.44E-06	5.73E-06	8.08E-06	4.39E-07	3.11E-06	2.08E-05
360.254	4247.334	2.12E-06	1.14E-05	4.95E-06	8.50E-08	2.17E-06	2.08E-05
360.8	4249.9	3.49E-06	5.02E-06	8.94E-06	6.53E-07	2.56E-06	2.07E-05
361.4	4247.4	3.08E-06	9.97E-06	5.02E-06	1.37E-07	2.34E-06	2.05E-05
360.178	4249.719	3.66E-06	4.84E-06	8.50E-06	7.38E-07	2.78E-06	2.05E-05
360.5	4249.8	3.76E-06	4.97E-06	8.21E-06	7.17E-07	2.86E-06	2.05E-05
361.6	4247.9	2.35E-06	8.92E-06	7.19E-06	2.26E-07	1.82E-06	2.05E-05
360.9	4249.9	3.84E-06	4.91E-06	8.41E-06	5.90E-07	2.74E-06	2.05E-05
361.6	4248.9	3.13E-06	5.72E-06	8.98E-06	4.44E-07	2.22E-06	2.05E-05
361.3	4249.5	3.81E-06	4.83E-06	8.50E-06	6.50E-07	2.59E-06	2.04E-05
361.2	4249.6	3.62E-06	4.99E-06	8.52E-06	7.21E-07	2.52E-06	2.04E-05
361.4	4247.5	2.93E-06	9.51E-06	5.46E-06	1.55E-07	2.24E-06	2.03E-05
361.4	4247.3	3.25E-06	9.82E-06	4.63E-06	1.22E-07	2.42E-06	2.02E-05
359.8	4249.4	3.52E-06	4.71E-06	8.42E-06	6.08E-07	2.84E-06	2.01E-05
361.6	4249	3.26E-06	5.30E-06	8.77E-06	4.50E-07	2.29E-06	2.01E-05
361.7	4248.6	3.28E-06	6.30E-06	7.75E-06	3.17E-07	2.36E-06	2.00E-05
361.5	4249.2	3.47E-06	4.87E-06	8.71E-06	4.85E-07	2.45E-06	2.00E-05
360.277	4249.8	3.51E-06	4.77E-06	8.31E-06	7.31E-07	2.65E-06	2.00E-05
361.1	4247.1	3.56E-06	1.04E-05	3.29E-06	8.43E-08	2.59E-06	1.99E-05
361	4247.1	3.45E-06	1.07E-05	3.09E-06	7.87E-08	2.53E-06	1.99E-05
361.7	4248.5	3.25E-06	6.42E-06	7.49E-06	3.07E-07	2.38E-06	1.98E-05
361.3	4247.2	3.08E-06	1.01E-05	4.19E-06	1.07E-07	2.32E-06	1.98E-05
361.4	4249.3	3.23E-06	4.88E-06	8.73E-06	5.63E-07	2.30E-06	1.97E-05
359.6	4249	3.28E-06	5.38E-06	7.74E-06	4.47E-07	2.79E-06	1.96E-05
360.35	4249.797	3.64E-06	4.77E-06	7.67E-06	7.43E-07	2.77E-06	1.96E-05
359.7	4249.2	3.25E-06	5.01E-06	8.13E-06	5.57E-07	2.60E-06	1.95E-05
361	4249.9	3.80E-06	4.72E-06	7.81E-06	5.31E-07	2.66E-06	1.95E-05
360.6	4250	3.40E-06	4.61E-06	8.35E-06	6.12E-07	2.52E-06	1.95E-05
361.7	4248.7	3.05E-06	6.06E-06	7.85E-06	3.26E-07	2.18E-06	1.95E-05
360.7	4250	3.37E-06	4.67E-06	8.32E-06	5.88E-07	2.47E-06	1.94E-05
361.5	4247.7	2.72E-06	7.88E-06	6.51E-06	1.93E-07	2.07E-06	1.94E-05
360.5	4249.9	3.54E-06	4.67E-06	7.79E-06	6.95E-07	2.67E-06	1.94E-05
361.7	4248.4	3.07E-06	6.49E-06	7.21E-06	2.92E-07	2.29E-06	1.94E-05
360.4	4249.8	3.69E-06	4.73E-06	7.49E-06	6.33E-07	2.81E-06	1.93E-05
360.5	4247.3	1.91E-06	1.32E-05	2.58E-06	6.95E-08	1.61E-06	1.93E-05
361.7	4248.2	2.70E-06	7.16E-06	7.05E-06	2.68E-07	2.12E-06	1.93E-05

TASK 3
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361.7	4248	2.31E-06	8.07E-06	6.87E-06	2.24E-07	1.81E-06	1.93E-05
361.7	4248.3	2.95E-06	6.71E-06	7.10E-06	2.81E-07	2.24E-06	1.93E-05
361.7	4248.1	2.50E-06	7.57E-06	6.98E-06	2.48E-07	1.97E-06	1.93E-05
361.4	4247.2	3.20E-06	9.21E-06	4.21E-06	1.09E-07	2.37E-06	1.91E-05
359.528	4247.817	3.17E-06	7.59E-06	4.66E-06	1.31E-07	3.52E-06	1.91E-05
359.7	4249.3	3.25E-06	4.68E-06	8.00E-06	5.30E-07	2.61E-06	1.91E-05
361.5	4247.3	3.41E-06	8.72E-06	4.34E-06	1.20E-07	2.47E-06	1.91E-05
359.494	4248.081	2.99E-06	7.64E-06	5.26E-06	1.65E-07	3.00E-06	1.91E-05
361.1	4249.8	3.50E-06	4.73E-06	7.78E-06	5.75E-07	2.46E-06	1.90E-05
360.771	4247.141	2.42E-06	1.16E-05	2.93E-06	7.70E-08	1.93E-06	1.90E-05
361.6	4249.1	3.16E-06	4.89E-06	8.24E-06	4.30E-07	2.23E-06	1.90E-05
360.2	4249.8	3.39E-06	4.51E-06	7.84E-06	6.53E-07	2.55E-06	1.89E-05
361.2	4247.1	3.17E-06	9.80E-06	3.49E-06	9.02E-08	2.35E-06	1.89E-05
361.6	4247.8	2.33E-06	7.97E-06	6.58E-06	2.04E-07	1.79E-06	1.89E-05
360.9	4247.1	2.85E-06	1.08E-05	2.95E-06	7.52E-08	2.18E-06	1.89E-05
359.501	4248.764	3.24E-06	5.31E-06	6.81E-06	3.36E-07	3.12E-06	1.88E-05
360.5	4250	3.38E-06	4.43E-06	7.84E-06	5.91E-07	2.53E-06	1.88E-05
361.3	4249.6	3.53E-06	4.55E-06	7.63E-06	6.09E-07	2.42E-06	1.87E-05
359.5	4248.8	3.26E-06	5.23E-06	6.76E-06	3.40E-07	3.14E-06	1.87E-05
361.5	4247.4	3.12E-06	8.48E-06	4.60E-06	1.32E-07	2.31E-06	1.86E-05
359.6	4249.1	3.14E-06	5.00E-06	7.46E-06	4.48E-07	2.58E-06	1.86E-05
360.8	4250	3.28E-06	4.61E-06	7.78E-06	5.47E-07	2.40E-06	1.86E-05
360.516	4247.275	1.93E-06	1.24E-05	2.55E-06	7.19E-08	1.62E-06	1.86E-05
359.5	4248	2.80E-06	7.65E-06	5.07E-06	1.55E-07	2.92E-06	1.86E-05
361.7	4247.9	2.21E-06	7.99E-06	6.43E-06	2.04E-07	1.71E-06	1.85E-05
361.2	4249.7	3.35E-06	4.66E-06	7.52E-06	6.10E-07	2.34E-06	1.85E-05
361.5	4247.2	3.40E-06	8.42E-06	4.08E-06	1.09E-07	2.45E-06	1.85E-05
361.7	4248.8	2.72E-06	5.69E-06	7.68E-06	3.49E-07	1.96E-06	1.84E-05
360.9	4250	3.48E-06	4.53E-06	7.36E-06	5.00E-07	2.50E-06	1.84E-05
361.4	4249.4	3.19E-06	4.53E-06	7.80E-06	5.25E-07	2.24E-06	1.83E-05
361.6	4249.2	3.39E-06	4.50E-06	7.62E-06	3.98E-07	2.35E-06	1.83E-05
359.849	4249.506	3.22E-06	4.31E-06	7.58E-06	5.87E-07	2.56E-06	1.83E-05
360.186	4249.823	3.33E-06	4.34E-06	7.44E-06	6.09E-07	2.50E-06	1.82E-05
359.5	4247.9	2.94E-06	7.25E-06	4.75E-06	1.42E-07	3.11E-06	1.82E-05
361.5	4249.3	3.26E-06	4.45E-06	7.69E-06	4.52E-07	2.30E-06	1.81E-05
361.3	4247.1	2.97E-06	9.17E-06	3.66E-06	9.45E-08	2.22E-06	1.81E-05
359.5	4248.9	3.13E-06	5.01E-06	6.61E-06	3.48E-07	2.89E-06	1.80E-05
359.5	4247.8	3.05E-06	7.09E-06	4.35E-06	1.25E-07	3.35E-06	1.80E-05
361.5	4247.6	2.61E-06	7.48E-06	5.62E-06	1.68E-07	1.98E-06	1.79E-05
360.8	4247.1	2.39E-06	1.07E-05	2.81E-06	7.36E-08	1.90E-06	1.79E-05
361.5	4247.5	2.74E-06	7.84E-06	4.99E-06	1.48E-07	2.07E-06	1.78E-05
360.426	4247.312	1.68E-06	1.20E-05	2.55E-06	6.80E-08	1.44E-06	1.78E-05
361.7	4248.9	2.70E-06	5.30E-06	7.46E-06	3.62E-07	1.93E-06	1.78E-05
361.4	4249.5	3.37E-06	4.29E-06	7.20E-06	5.01E-07	2.31E-06	1.77E-05
361	4247	3.24E-06	9.26E-06	2.73E-06	6.92E-08	2.35E-06	1.77E-05
360.7	4250.1	3.17E-06	4.29E-06	7.37E-06	4.99E-07	2.32E-06	1.76E-05
361.7	4247.8	2.30E-06	7.19E-06	6.12E-06	1.88E-07	1.77E-06	1.76E-05
361.4	4247.1	2.94E-06	8.55E-06	3.77E-06	9.72E-08	2.18E-06	1.75E-05
361.1	4247	3.12E-06	9.15E-06	2.89E-06	7.38E-08	2.29E-06	1.75E-05
359.7	4249.4	3.13E-06	4.22E-06	7.16E-06	4.91E-07	2.51E-06	1.75E-05
361.1	4249.9	3.24E-06	4.43E-06	7.02E-06	4.87E-07	2.30E-06	1.75E-05
361	4250	3.29E-06	4.38E-06	6.97E-06	4.54E-07	2.36E-06	1.74E-05
361.8	4248.2	2.68E-06	6.48E-06	6.00E-06	2.31E-07	2.05E-06	1.74E-05
360.4	4249.9	3.40E-06	4.28E-06	6.65E-06	5.24E-07	2.59E-06	1.74E-05
361.8	4248	2.23E-06	7.27E-06	5.97E-06	2.04E-07	1.74E-06	1.74E-05
361.8	4248.3	2.89E-06	6.05E-06	6.02E-06	2.39E-07	2.15E-06	1.74E-05
361.8	4248.5	2.94E-06	5.64E-06	6.34E-06	2.56E-07	2.15E-06	1.73E-05
361.8	4248.7	2.86E-06	5.48E-06	6.66E-06	2.70E-07	2.04E-06	1.73E-05
361.6	4247.3	3.13E-06	7.74E-06	4.05E-06	1.16E-07	2.27E-06	1.73E-05
361.8	4248.1	2.41E-06	6.80E-06	5.98E-06	2.21E-07	1.89E-06	1.73E-05
361.8	4248.6	2.82E-06	5.59E-06	6.57E-06	2.63E-07	2.05E-06	1.73E-05
361.7	4249	2.69E-06	4.93E-06	7.40E-06	3.69E-07	1.91E-06	1.73E-05
361.8	4248.4	2.95E-06	5.75E-06	6.14E-06	2.46E-07	2.17E-06	1.73E-05
359.8	4249.5	3.03E-06	4.12E-06	7.14E-06	5.37E-07	2.41E-06	1.72E-05
361.5	4247.1	3.14E-06	7.94E-06	3.76E-06	9.87E-08	2.28E-06	1.72E-05
361.2	4249.8	3.31E-06	4.37E-06	6.72E-06	5.17E-07	2.30E-06	1.72E-05
359.459	4247.985	2.65E-06	6.99E-06	4.72E-06	1.44E-07	2.72E-06	1.72E-05
361.3	4249.7	3.35E-06	4.28E-06	6.74E-06	5.39E-07	2.30E-06	1.72E-05
359.6	4249.2	2.90E-06	4.54E-06	6.94E-06	4.38E-07	2.33E-06	1.72E-05
361.3	4247	3.14E-06	8.40E-06	3.22E-06	8.39E-08	2.28E-06	1.71E-05
361.4	4249.6	3.51E-06	4.09E-06	6.67E-06	4.88E-07	2.37E-06	1.71E-05
361.6	4247.7	2.34E-06	6.89E-06	5.93E-06	1.81E-07	1.78E-06	1.71E-05
361.2	4247	2.91E-06	8.82E-06	3.06E-06	7.93E-08	2.16E-06	1.70E-05
361.8	4247.9	2.13E-06	7.20E-06	5.83E-06	1.84E-07	1.65E-06	1.70E-05
359.495	4247.725	2.88E-06	6.55E-06	4.12E-06	1.11E-07	3.29E-06	1.70E-05
359.836	4249.56	3.07E-06	3.99E-06	6.91E-06	5.29E-07	2.44E-06	1.69E-05
361.6	4247.2	3.07E-06	7.68E-06	3.84E-06	1.07E-07	2.24E-06	1.69E-05
361.6	4249.3	3.32E-06	4.08E-06	6.86E-06	3.67E-07	2.29E-06	1.69E-05
360.8	4250.1	3.08E-06	4.24E-06	6.86E-06	4.66E-07	2.25E-06	1.69E-05

TASK 3
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.6	4250.1	3.13E-06	4.10E-06	6.77E-06	5.13E-07	2.32E-06	1.68E-05
361.6	4247.4	2.91E-06	7.27E-06	4.31E-06	1.27E-07	2.13E-06	1.68E-05
361.514	4247.077	3.03E-06	7.74E-06	3.68E-06	9.66E-08	2.21E-06	1.68E-05
360.2	4249.9	3.07E-06	4.01E-06	6.73E-06	5.35E-07	2.28E-06	1.66E-05
361.4	4247	2.99E-06	7.94E-06	3.36E-06	8.72E-08	2.18E-06	1.66E-05
359.6	4249.3	2.90E-06	4.18E-06	6.71E-06	4.21E-07	2.34E-06	1.65E-05
361.7	4249.1	2.68E-06	4.56E-06	7.05E-06	3.59E-07	1.89E-06	1.65E-05
360.9	4247	2.68E-06	9.14E-06	2.62E-06	6.65E-08	2.03E-06	1.65E-05
361.8	4248.8	2.61E-06	5.24E-06	6.53E-06	2.89E-07	1.86E-06	1.65E-05
360.9	4250.1	3.12E-06	4.19E-06	6.53E-06	4.27E-07	2.26E-06	1.65E-05
359.5	4249	2.79E-06	4.71E-06	6.24E-06	3.53E-07	2.38E-06	1.65E-05
361.5	4249.4	3.02E-06	4.07E-06	6.78E-06	4.17E-07	2.12E-06	1.64E-05
361.3	4249.8	3.45E-06	4.04E-06	6.01E-06	4.68E-07	2.34E-06	1.63E-05
361.1	4250	3.09E-06	4.15E-06	6.41E-06	4.17E-07	2.19E-06	1.63E-05
360.3	4249.9	3.20E-06	4.04E-06	6.06E-06	5.28E-07	2.41E-06	1.62E-05
361.5	4247	3.04E-06	7.43E-06	3.43E-06	8.93E-08	2.20E-06	1.62E-05
361.6	4247.1	2.96E-06	7.32E-06	3.63E-06	9.85E-08	2.16E-06	1.62E-05
361.7	4249.2	3.00E-06	4.19E-06	6.57E-06	3.35E-07	2.07E-06	1.62E-05
359.427	4248.61	2.69E-06	4.90E-06	5.83E-06	2.65E-07	2.45E-06	1.61E-05
361.3	4246.9	3.17E-06	7.73E-06	2.86E-06	7.49E-08	2.28E-06	1.61E-05
360.7	4250.2	2.99E-06	3.95E-06	6.56E-06	4.25E-07	2.19E-06	1.61E-05
361	4250.1	3.13E-06	4.07E-06	6.25E-06	3.89E-07	2.25E-06	1.61E-05
359.425	4247.89	2.73E-06	6.37E-06	4.13E-06	1.29E-07	2.72E-06	1.61E-05
360.5	4250.1	3.10E-06	3.90E-06	6.23E-06	4.92E-07	2.33E-06	1.60E-05
361.6	4247.5	2.57E-06	6.68E-06	4.71E-06	1.43E-07	1.92E-06	1.60E-05
361.2	4249.9	3.13E-06	4.11E-06	6.14E-06	4.45E-07	2.18E-06	1.60E-05
361.8	4247.8	2.17E-06	6.48E-06	5.50E-06	1.70E-07	1.67E-06	1.60E-05
359.399	4248.787	2.87E-06	4.58E-06	5.64E-06	2.74E-07	2.61E-06	1.60E-05
361.6	4247.6	2.36E-06	6.42E-06	5.23E-06	1.61E-07	1.77E-06	1.59E-05
359.5	4249.1	2.74E-06	4.42E-06	6.13E-06	3.54E-07	2.27E-06	1.59E-05
360.188	4249.929	2.99E-06	3.84E-06	6.36E-06	4.98E-07	2.22E-06	1.59E-05
360.765	4247.037	2.16E-06	9.34E-06	2.60E-06	6.79E-08	1.72E-06	1.59E-05
361.7	4247.7	2.22E-06	6.22E-06	5.55E-06	1.71E-07	1.69E-06	1.58E-05
361.4	4249.7	3.19E-06	3.89E-06	6.06E-06	4.66E-07	2.18E-06	1.58E-05
361	4246.9	3.09E-06	7.97E-06	2.42E-06	6.17E-08	2.22E-06	1.58E-05
361.9	4248	2.14E-06	6.55E-06	5.20E-06	1.86E-07	1.66E-06	1.57E-05
359.827	4249.617	2.93E-06	3.71E-06	6.30E-06	4.78E-07	2.33E-06	1.57E-05
360.4	4250	3.16E-06	3.88E-06	5.85E-06	4.41E-07	2.39E-06	1.57E-05
361.2	4246.9	2.88E-06	7.94E-06	2.71E-06	7.02E-08	2.11E-06	1.57E-05
361.1	4246.9	2.94E-06	8.00E-06	2.56E-06	6.53E-08	2.14E-06	1.57E-05
360.6	4250.2	2.96E-06	3.80E-06	6.27E-06	4.36E-07	2.20E-06	1.57E-05
361.8	4248.9	2.40E-06	4.93E-06	6.31E-06	2.99E-07	1.72E-06	1.57E-05
359.4	4248.9	2.83E-06	4.43E-06	5.50E-06	2.81E-07	2.63E-06	1.57E-05
361.6	4247	3.05E-06	6.91E-06	3.40E-06	9.05E-08	2.18E-06	1.56E-05
361.9	4248.1	2.32E-06	6.13E-06	5.18E-06	1.95E-07	1.80E-06	1.56E-05
361.4	4246.9	3.02E-06	7.36E-06	3.00E-06	7.86E-08	2.17E-06	1.56E-05
360.8	4250.2	2.94E-06	3.94E-06	6.15E-06	3.99E-07	2.14E-06	1.56E-05
361.1	4250.1	3.22E-06	3.89E-06	5.84E-06	3.59E-07	2.25E-06	1.56E-05
361.9	4248.2	2.46E-06	5.86E-06	5.14E-06	2.01E-07	1.88E-06	1.55E-05
360.9	4250.2	3.14E-06	3.90E-06	5.82E-06	3.67E-07	2.26E-06	1.55E-05
359.4	4248.6	2.57E-06	4.76E-06	5.53E-06	2.50E-07	2.36E-06	1.55E-05
359.8	4249.6	2.84E-06	3.67E-06	6.23E-06	4.67E-07	2.25E-06	1.55E-05
361.5	4249.5	3.02E-06	3.80E-06	6.12E-06	3.94E-07	2.09E-06	1.54E-05
361.9	4247.9	2.04E-06	6.46E-06	5.15E-06	1.69E-07	1.58E-06	1.54E-05
359.7	4249.5	2.74E-06	3.73E-06	6.29E-06	4.42E-07	2.18E-06	1.54E-05
361	4250.2	3.32E-06	3.80E-06	5.59E-06	3.38E-07	2.33E-06	1.54E-05
360.8	4247	2.20E-06	8.83E-06	2.53E-06	6.54E-08	1.74E-06	1.54E-05
361.7	4247.2	2.74E-06	6.93E-06	3.58E-06	1.03E-07	2.01E-06	1.54E-05
359.6	4249.4	2.79E-06	3.79E-06	6.11E-06	3.97E-07	2.22E-06	1.53E-05
361.7	4247.3	2.63E-06	6.77E-06	3.81E-06	1.12E-07	1.95E-06	1.53E-05
361.5	4249.6	3.32E-06	3.64E-06	5.70E-06	3.86E-07	2.23E-06	1.53E-05
361.5	4246.9	2.99E-06	6.94E-06	3.11E-06	8.12E-08	2.15E-06	1.53E-05
361.7	4247.1	2.90E-06	6.75E-06	3.42E-06	9.62E-08	2.10E-06	1.53E-05
361.7	4249.3	3.06E-06	3.79E-06	6.00E-06	3.07E-07	2.08E-06	1.52E-05
361.9	4248.7	2.59E-06	4.89E-06	5.68E-06	2.26E-07	1.85E-06	1.52E-05
359.462	4247.632	2.52E-06	6.17E-06	3.61E-06	9.34E-08	2.83E-06	1.52E-05
361.6	4249.4	3.08E-06	3.69E-06	6.01E-06	3.37E-07	2.11E-06	1.52E-05
359.4	4247.8	2.73E-06	5.92E-06	3.73E-06	1.15E-07	2.72E-06	1.52E-05
361.9	4248.5	2.62E-06	5.03E-06	5.41E-06	2.17E-07	1.92E-06	1.52E-05
361.9	4248.3	2.45E-06	5.51E-06	5.17E-06	2.05E-07	1.85E-06	1.52E-05
361.8	4249	2.32E-06	4.63E-06	6.26E-06	3.06E-07	1.66E-06	1.52E-05
361.2	4250	3.08E-06	3.88E-06	5.68E-06	3.80E-07	2.14E-06	1.52E-05
361.9	4248.6	2.52E-06	4.94E-06	5.59E-06	2.20E-07	1.84E-06	1.51E-05
361.9	4248.4	2.52E-06	5.20E-06	5.27E-06	2.09E-07	1.87E-06	1.51E-05
361.3	4246.8	3.15E-06	7.03E-06	2.56E-06	6.72E-08	2.24E-06	1.50E-05
361.1	4250.2	3.42E-06	3.65E-06	5.33E-06	3.14E-07	2.33E-06	1.50E-05
361.6	4246.9	3.08E-06	6.53E-06	3.15E-06	8.30E-08	2.18E-06	1.50E-05
361.7	4247.4	2.58E-06	6.26E-06	4.13E-06	1.23E-07	1.90E-06	1.50E-05
361.9	4248.8	2.56E-06	4.79E-06	5.59E-06	2.41E-07	1.80E-06	1.50E-05

TASK 3
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361.3	4249.9	3.12E-06	3.82E-06	5.46E-06	4.00E-07	2.14E-06	1.49E-05
361.7	4247	2.99E-06	6.45E-06	3.26E-06	8.99E-08	2.13E-06	1.49E-05
360.2	4250	2.87E-06	3.59E-06	5.89E-06	4.46E-07	2.12E-06	1.49E-05
361.4	4249.8	3.12E-06	3.71E-06	5.52E-06	4.21E-07	2.13E-06	1.49E-05
361.4	4246.8	3.07E-06	6.82E-06	2.69E-06	7.11E-08	2.19E-06	1.48E-05
360.5	4250.2	2.92E-06	3.60E-06	5.71E-06	4.17E-07	2.19E-06	1.48E-05
360.7	4250.3	2.84E-06	3.66E-06	5.90E-06	3.69E-07	2.07E-06	1.48E-05
361.2	4250.1	3.36E-06	3.65E-06	5.21E-06	3.32E-07	2.27E-06	1.48E-05
359.4	4247.7	2.70E-06	5.58E-06	3.48E-06	1.02E-07	2.91E-06	1.48E-05
359.377	4247.814	2.64E-06	5.79E-06	3.64E-06	1.14E-07	2.59E-06	1.48E-05
359.818	4249.667	2.81E-06	3.47E-06	5.77E-06	4.37E-07	2.22E-06	1.47E-05
361.8	4249.1	2.30E-06	4.32E-06	6.12E-06	3.03E-07	1.64E-06	1.47E-05
359.5	4249.2	2.53E-06	4.01E-06	5.71E-06	3.48E-07	2.04E-06	1.46E-05
360.9	4246.9	2.54E-06	7.81E-06	2.32E-06	5.97E-08	1.91E-06	1.46E-05
359.36	4248.7	2.48E-06	4.39E-06	5.27E-06	2.44E-07	2.24E-06	1.46E-05
359.362	4248.505	2.32E-06	4.93E-06	4.96E-06	2.17E-07	2.18E-06	1.46E-05
360.41	4247.229	1.50E-06	9.30E-06	2.46E-06	6.74E-08	1.28E-06	1.46E-05
361.2	4246.8	2.91E-06	7.09E-06	2.41E-06	6.27E-08	2.09E-06	1.46E-05
360.8	4250.3	2.84E-06	3.68E-06	5.64E-06	3.49E-07	2.06E-06	1.46E-05
361.8	4247.7	2.15E-06	5.56E-06	5.05E-06	1.59E-07	1.64E-06	1.46E-05
361.7	4247.5	2.33E-06	5.79E-06	4.54E-06	1.38E-07	1.74E-06	1.45E-05
361	4250.3	3.33E-06	3.54E-06	5.06E-06	2.96E-07	2.30E-06	1.45E-05
360.4	4250.1	2.95E-06	3.58E-06	5.36E-06	4.03E-07	2.23E-06	1.45E-05
361.5	4246.8	2.99E-06	6.53E-06	2.81E-06	7.41E-08	2.13E-06	1.45E-05
361.9	4247.8	2.03E-06	5.84E-06	4.92E-06	1.54E-07	1.56E-06	1.45E-05
360.5	4247.189	1.73E-06	9.02E-06	2.27E-06	6.09E-08	1.42E-06	1.45E-05
361.7	4247.6	2.17E-06	5.66E-06	4.88E-06	1.55E-07	1.63E-06	1.45E-05
360.9	4250.3	3.05E-06	3.63E-06	5.28E-06	3.22E-07	2.18E-06	1.45E-05
361.2	4250.2	3.50E-06	3.44E-06	4.86E-06	2.94E-07	2.33E-06	1.44E-05
361.5	4249.7	3.07E-06	3.51E-06	5.34E-06	3.76E-07	2.08E-06	1.44E-05
359.875	4249.736	2.80E-06	3.40E-06	5.54E-06	4.33E-07	2.20E-06	1.44E-05
360.3	4250	2.94E-06	3.60E-06	5.22E-06	4.07E-07	2.21E-06	1.44E-05
359.4	4249	2.50E-06	4.17E-06	5.24E-06	2.84E-07	2.16E-06	1.43E-05
361.9	4248.9	2.39E-06	4.58E-06	5.42E-06	2.50E-07	1.69E-06	1.43E-05
360.6	4250.3	2.79E-06	3.50E-06	5.59E-06	3.76E-07	2.07E-06	1.43E-05
361.8	4247.1	2.75E-06	6.21E-06	3.21E-06	9.28E-08	1.99E-06	1.43E-05
361.7	4246.9	2.90E-06	6.12E-06	3.09E-06	8.36E-08	2.06E-06	1.42E-05
361.8	4249.2	2.51E-06	3.98E-06	5.71E-06	2.85E-07	1.74E-06	1.42E-05
361.8	4247.2	2.62E-06	6.18E-06	3.36E-06	9.94E-08	1.91E-06	1.42E-05
361.1	4246.8	2.78E-06	7.06E-06	2.27E-06	5.85E-08	2.01E-06	1.42E-05
362	4248	1.98E-06	5.90E-06	4.56E-06	1.67E-07	1.54E-06	1.42E-05
360.18	4250.032	2.80E-06	3.41E-06	5.46E-06	4.10E-07	2.07E-06	1.41E-05
361.1	4250.3	3.33E-06	3.40E-06	4.88E-06	2.71E-07	2.26E-06	1.41E-05
361	4246.8	2.89E-06	6.94E-06	2.15E-06	5.56E-08	2.07E-06	1.41E-05
361.7	4249.4	3.04E-06	3.43E-06	5.31E-06	2.79E-07	2.05E-06	1.41E-05
361.8	4247	2.85E-06	6.00E-06	3.08E-06	8.74E-08	2.03E-06	1.40E-05
360.5	4250.3	2.79E-06	3.37E-06	5.41E-06	3.60E-07	2.08E-06	1.40E-05
361.9	4249	2.38E-06	4.34E-06	5.33E-06	2.55E-07	1.67E-06	1.40E-05
362	4248.1	2.08E-06	5.56E-06	4.53E-06	1.71E-07	1.63E-06	1.40E-05
362	4247.9	1.96E-06	5.80E-06	4.54E-06	1.57E-07	1.51E-06	1.40E-05
361.3	4250	3.03E-06	3.59E-06	4.93E-06	3.40E-07	2.07E-06	1.40E-05
361.6	4246.8	2.80E-06	6.17E-06	2.89E-06	7.61E-08	2.00E-06	1.39E-05
361.4	4249.9	2.99E-06	3.53E-06	5.00E-06	3.67E-07	2.04E-06	1.39E-05
359.304	4248.825	2.59E-06	4.04E-06	4.76E-06	2.29E-07	2.29E-06	1.39E-05
361.3	4246.7	3.06E-06	6.33E-06	2.29E-06	6.06E-08	2.15E-06	1.39E-05
359.8	4249.7	2.67E-06	3.28E-06	5.38E-06	4.04E-07	2.10E-06	1.38E-05
359.4	4247.6	2.40E-06	5.52E-06	3.18E-06	8.70E-08	2.61E-06	1.38E-05
359.5	4249.3	2.42E-06	3.70E-06	5.43E-06	3.38E-07	1.91E-06	1.38E-05
361.6	4249.5	2.80E-06	3.41E-06	5.32E-06	3.16E-07	1.93E-06	1.38E-05
359.3	4248.9	2.58E-06	3.94E-06	4.63E-06	2.30E-07	2.38E-06	1.37E-05
361.4	4246.7	2.88E-06	6.31E-06	2.42E-06	6.45E-08	2.05E-06	1.37E-05
361.3	4250.1	3.33E-06	3.38E-06	4.49E-06	2.97E-07	2.22E-06	1.37E-05
359.6	4249.5	2.52E-06	3.38E-06	5.43E-06	3.65E-07	1.99E-06	1.37E-05
360.76	4246.934	1.97E-06	7.77E-06	2.33E-06	6.08E-08	1.56E-06	1.37E-05
359.7	4249.6	2.51E-06	3.31E-06	5.48E-06	3.91E-07	1.98E-06	1.37E-05
362	4248.5	2.46E-06	4.55E-06	4.69E-06	1.86E-07	1.79E-06	1.37E-05
362	4248.2	2.10E-06	5.29E-06	4.46E-06	1.74E-07	1.64E-06	1.37E-05
359.4	4249.1	2.39E-06	3.91E-06	5.04E-06	2.84E-07	1.98E-06	1.36E-05
360.8	4250.4	2.68E-06	3.44E-06	5.18E-06	3.06E-07	1.94E-06	1.36E-05
360.9	4250.4	2.94E-06	3.40E-06	4.83E-06	2.83E-07	2.09E-06	1.35E-05
362	4248.4	2.31E-06	4.74E-06	4.60E-06	1.80E-07	1.71E-06	1.35E-05
360.2	4250.1	2.71E-06	3.26E-06	5.19E-06	3.78E-07	2.00E-06	1.35E-05
361.8	4247.3	2.32E-06	5.81E-06	3.57E-06	1.08E-07	1.72E-06	1.35E-05
359.302	4248.014	2.24E-06	5.31E-06	3.70E-06	1.19E-07	2.15E-06	1.35E-05
361.2	4246.7	2.94E-06	6.30E-06	2.15E-06	5.65E-08	2.08E-06	1.35E-05
360.4	4250.2	2.78E-06	3.33E-06	4.95E-06	3.69E-07	2.09E-06	1.35E-05
359.806	4249.729	2.64E-06	3.20E-06	5.20E-06	3.92E-07	2.07E-06	1.35E-05
362	4248.8	2.38E-06	4.34E-06	4.86E-06	2.05E-07	1.68E-06	1.35E-05
362	4248.3	2.11E-06	5.03E-06	4.51E-06	1.77E-07	1.62E-06	1.34E-05

TASK 3
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
362	4248.6	2.31E-06	4.42E-06	4.84E-06	1.87E-07	1.69E-06	1.34E-05
362	4248.7	2.31E-06	4.36E-06	4.92E-06	1.92E-07	1.66E-06	1.34E-05
361.9	4249.1	2.20E-06	4.09E-06	5.33E-06	2.58E-07	1.55E-06	1.34E-05
361.8	4247.4	2.37E-06	5.33E-06	3.89E-06	1.18E-07	1.73E-06	1.34E-05
361.6	4249.6	2.95E-06	3.25E-06	4.92E-06	3.07E-07	1.99E-06	1.34E-05
359.429	4247.54	2.15E-06	5.79E-06	3.06E-06	7.94E-08	2.33E-06	1.34E-05
360.8	4246.9	2.02E-06	7.48E-06	2.27E-06	5.88E-08	1.59E-06	1.34E-05
361.8	4249.3	2.53E-06	3.62E-06	5.26E-06	2.62E-07	1.74E-06	1.34E-05
359.3	4248.7	2.30E-06	4.09E-06	4.74E-06	2.17E-07	2.05E-06	1.34E-05
361.5	4246.7	2.71E-06	6.12E-06	2.55E-06	6.78E-08	1.95E-06	1.34E-05
361	4250.4	3.15E-06	3.29E-06	4.52E-06	2.57E-07	2.18E-06	1.34E-05
361.5	4249.8	2.80E-06	3.37E-06	4.95E-06	3.52E-07	1.92E-06	1.34E-05
359.301	4248.574	2.16E-06	4.35E-06	4.58E-06	2.04E-07	2.02E-06	1.33E-05
361.6	4249.7	3.13E-06	3.15E-06	4.65E-06	2.98E-07	2.08E-06	1.33E-05
361.1	4246.7	2.89E-06	6.27E-06	2.02E-06	5.30E-08	2.05E-06	1.33E-05
361.8	4246.9	2.63E-06	5.72E-06	2.95E-06	8.24E-08	1.89E-06	1.33E-05
359.329	4247.739	2.46E-06	5.02E-06	3.23E-06	1.02E-07	2.45E-06	1.33E-05
361.2	4250.3	3.16E-06	3.22E-06	4.50E-06	2.51E-07	2.13E-06	1.33E-05
359.3	4248.6	2.16E-06	4.26E-06	4.61E-06	2.07E-07	2.01E-06	1.32E-05
362	4247.8	1.92E-06	5.28E-06	4.43E-06	1.42E-07	1.47E-06	1.32E-05
359.86	4249.794	2.63E-06	3.15E-06	5.02E-06	3.88E-07	2.05E-06	1.32E-05
361.7	4246.8	2.59E-06	5.78E-06	2.90E-06	7.73E-08	1.87E-06	1.32E-05
359.5	4249.4	2.39E-06	3.40E-06	5.21E-06	3.23E-07	1.89E-06	1.32E-05
361.8	4247.6	2.04E-06	4.97E-06	4.50E-06	1.46E-07	1.53E-06	1.32E-05
361.9	4247.1	2.59E-06	5.64E-06	3.01E-06	8.94E-08	1.86E-06	1.32E-05
359.26	4248.068	2.20E-06	5.16E-06	3.60E-06	1.20E-07	2.10E-06	1.32E-05
361.8	4247.5	2.16E-06	4.99E-06	4.25E-06	1.31E-07	1.61E-06	1.31E-05
360.3	4250.1	2.73E-06	3.29E-06	4.72E-06	3.51E-07	2.05E-06	1.31E-05
362	4248.9	2.33E-06	4.23E-06	4.72E-06	2.12E-07	1.63E-06	1.31E-05
361.9	4247	2.66E-06	5.56E-06	2.90E-06	8.41E-08	1.91E-06	1.31E-05
361.6	4246.7	2.62E-06	5.83E-06	2.65E-06	7.01E-08	1.88E-06	1.31E-05
361.4	4250	2.96E-06	3.33E-06	4.44E-06	3.18E-07	2.00E-06	1.31E-05
360.091	4250.02	2.72E-06	3.13E-06	4.81E-06	3.71E-07	2.00E-06	1.30E-05
361.9	4247.7	1.96E-06	4.94E-06	4.50E-06	1.44E-07	1.49E-06	1.30E-05
359.4	4249.2	2.31E-06	3.64E-06	4.91E-06	2.81E-07	1.87E-06	1.30E-05
362.1	4248	1.97E-06	5.32E-06	4.03E-06	1.49E-07	1.51E-06	1.30E-05
361.991	4248.954	2.26E-06	4.16E-06	4.70E-06	2.17E-07	1.59E-06	1.29E-05
361.1	4250.4	3.09E-06	3.15E-06	4.32E-06	2.32E-07	2.11E-06	1.29E-05
361.3	4250.2	3.14E-06	3.19E-06	4.19E-06	2.61E-07	2.09E-06	1.29E-05
361.8	4249.4	2.75E-06	3.29E-06	4.74E-06	2.38E-07	1.84E-06	1.29E-05
362.1	4247.9	1.98E-06	5.21E-06	4.03E-06	1.45E-07	1.50E-06	1.29E-05
360.5	4250.4	2.61E-06	3.11E-06	4.86E-06	3.12E-07	1.95E-06	1.28E-05
360.6	4250.4	2.60E-06	3.19E-06	4.79E-06	3.19E-07	1.94E-06	1.28E-05
360.9	4246.8	2.33E-06	6.63E-06	2.07E-06	5.40E-08	1.74E-06	1.28E-05
359.258	4248.295	1.86E-06	5.12E-06	3.95E-06	1.54E-07	1.74E-06	1.28E-05
361	4246.7	2.79E-06	6.07E-06	1.92E-06	5.06E-08	1.98E-06	1.28E-05
361.7	4249.5	2.79E-06	3.14E-06	4.70E-06	2.59E-07	1.89E-06	1.28E-05
362.1	4248.1	2.01E-06	5.06E-06	3.97E-06	1.50E-07	1.56E-06	1.28E-05
361.3	4246.6	2.88E-06	5.73E-06	2.06E-06	5.50E-08	2.02E-06	1.28E-05
361.5	4246.6	2.72E-06	5.70E-06	2.32E-06	6.22E-08	1.94E-06	1.27E-05
361.4	4250.1	3.22E-06	3.14E-06	3.98E-06	2.69E-07	2.13E-06	1.27E-05
361.4	4246.6	2.76E-06	5.76E-06	2.19E-06	5.88E-08	1.96E-06	1.27E-05
360.9	4250.5	2.82E-06	3.19E-06	4.46E-06	2.52E-07	2.00E-06	1.27E-05
361.7	4246.7	2.60E-06	5.50E-06	2.69E-06	7.16E-08	1.86E-06	1.27E-05
361.9	4249.2	2.08E-06	3.81E-06	5.10E-06	2.47E-07	1.47E-06	1.27E-05
361.9	4247.2	2.36E-06	5.40E-06	3.13E-06	9.55E-08	1.72E-06	1.27E-05
359.3	4249	2.30E-06	3.72E-06	4.43E-06	2.32E-07	2.03E-06	1.27E-05
360.238	4247.099	1.64E-06	5.33E-06	3.99E-06	6.16E-08	1.64E-06	1.27E-05
360.7	4250.4	2.55E-06	3.24E-06	4.69E-06	2.81E-07	1.88E-06	1.26E-05
360.8	4250.5	2.53E-06	3.22E-06	4.75E-06	2.72E-07	1.84E-06	1.26E-05
360.4	4250.3	2.61E-06	3.10E-06	4.59E-06	3.31E-07	1.96E-06	1.26E-05
361.6	4246.6	2.68E-06	5.53E-06	2.42E-06	6.48E-08	1.91E-06	1.26E-05
360.49	4247.124	1.63E-06	7.42E-06	2.15E-06	5.66E-08	1.32E-06	1.26E-05
359.261	4248.605	2.05E-06	4.10E-06	4.32E-06	1.93E-07	1.91E-06	1.26E-05
361.8	4246.8	2.45E-06	5.44E-06	2.82E-06	7.74E-08	1.77E-06	1.26E-05
359.4	4249.3	2.29E-06	3.37E-06	4.76E-06	2.74E-07	1.86E-06	1.26E-05
362	4249	2.17E-06	4.04E-06	4.60E-06	2.16E-07	1.53E-06	1.25E-05
361	4250.5	3.05E-06	3.07E-06	4.08E-06	2.29E-07	2.10E-06	1.25E-05
361.5	4249.9	2.65E-06	3.22E-06	4.50E-06	3.26E-07	1.82E-06	1.25E-05
359.3	4247.6	2.41E-06	4.71E-06	2.82E-06	8.41E-08	2.47E-06	1.25E-05
359.281	4247.665	2.43E-06	4.63E-06	2.86E-06	9.08E-08	2.42E-06	1.24E-05
359.7	4249.7	2.40E-06	2.97E-06	4.81E-06	3.44E-07	1.88E-06	1.24E-05
360.293	4247.104	1.54E-06	5.68E-06	3.70E-06	6.32E-08	1.43E-06	1.24E-05
361.9	4246.9	2.42E-06	5.36E-06	2.79E-06	7.96E-08	1.76E-06	1.24E-05
361.6	4249.8	2.85E-06	3.03E-06	4.31E-06	2.85E-07	1.91E-06	1.24E-05
359.8	4249.8	2.48E-06	2.95E-06	4.68E-06	3.51E-07	1.93E-06	1.24E-05
361.8	4246.7	2.60E-06	5.18E-06	2.67E-06	7.24E-08	1.85E-06	1.24E-05
361.7	4246.6	2.64E-06	5.26E-06	2.48E-06	6.64E-08	1.87E-06	1.23E-05
362.1	4248.5	2.25E-06	4.18E-06	4.11E-06	1.60E-07	1.63E-06	1.23E-05

TASK 3
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.2	4250.2	2.53E-06	2.98E-06	4.60E-06	3.26E-07	1.86E-06	1.23E-05
362.1	4248.2	1.94E-06	4.79E-06	3.90E-06	1.53E-07	1.51E-06	1.23E-05
359.2	4248.2	1.98E-06	4.77E-06	3.54E-06	1.29E-07	1.85E-06	1.23E-05
361.2	4246.6	2.70E-06	5.66E-06	1.93E-06	5.13E-08	1.91E-06	1.23E-05
362.1	4248.4	2.12E-06	4.37E-06	4.04E-06	1.56E-07	1.56E-06	1.22E-05
359.5	4249.5	2.32E-06	3.09E-06	4.72E-06	3.02E-07	1.82E-06	1.22E-05
362.1	4247.8	1.89E-06	4.79E-06	3.99E-06	1.33E-07	1.44E-06	1.22E-05
360.3	4250.2	2.55E-06	3.06E-06	4.35E-06	3.27E-07	1.91E-06	1.22E-05
359.197	4248.226	1.96E-06	4.74E-06	3.55E-06	1.32E-07	1.81E-06	1.22E-05
361.9	4249.3	2.21E-06	3.50E-06	4.71E-06	2.29E-07	1.53E-06	1.22E-05
361.2	4250.4	2.94E-06	2.99E-06	4.02E-06	2.15E-07	1.98E-06	1.21E-05
362	4249.1	2.05E-06	3.83E-06	4.58E-06	2.21E-07	1.45E-06	1.21E-05
359.196	4248.17	1.95E-06	4.76E-06	3.47E-06	1.24E-07	1.83E-06	1.21E-05
359.6	4249.6	2.24E-06	3.01E-06	4.79E-06	3.29E-07	1.75E-06	1.21E-05
361.8	4249.5	2.80E-06	3.02E-06	4.23E-06	2.19E-07	1.85E-06	1.21E-05
360.1	4250.1	2.56E-06	2.93E-06	4.42E-06	3.29E-07	1.89E-06	1.21E-05
359.4	4247.5	1.95E-06	5.28E-06	2.75E-06	7.36E-08	2.04E-06	1.21E-05
362.1	4248.8	2.21E-06	3.89E-06	4.25E-06	1.76E-07	1.56E-06	1.21E-05
362.1	4248.6	2.12E-06	4.03E-06	4.23E-06	1.60E-07	1.55E-06	1.21E-05
362.1	4248.3	1.90E-06	4.60E-06	3.96E-06	1.53E-07	1.46E-06	1.21E-05
361.9	4246.8	2.42E-06	5.15E-06	2.69E-06	7.57E-08	1.74E-06	1.21E-05
362.2	4248	2.04E-06	4.80E-06	3.58E-06	1.32E-07	1.52E-06	1.21E-05
359.2	4248.1	1.95E-06	4.76E-06	3.35E-06	1.16E-07	1.89E-06	1.21E-05
360.003	4250.007	2.56E-06	2.90E-06	4.35E-06	3.41E-07	1.91E-06	1.21E-05
360.9	4250.6	2.69E-06	3.01E-06	4.18E-06	2.28E-07	1.91E-06	1.20E-05
359.248	4247.823	2.09E-06	4.71E-06	3.05E-06	9.90E-08	2.07E-06	1.20E-05
361.5	4250	2.73E-06	3.07E-06	4.07E-06	2.96E-07	1.85E-06	1.20E-05
362	4247.7	1.87E-06	4.48E-06	4.09E-06	1.29E-07	1.42E-06	1.20E-05
362	4247	2.34E-06	5.13E-06	2.73E-06	8.04E-08	1.70E-06	1.20E-05
361.9	4246.7	2.59E-06	4.91E-06	2.58E-06	7.18E-08	1.82E-06	1.20E-05
362.1	4248.7	2.08E-06	3.93E-06	4.29E-06	1.65E-07	1.51E-06	1.20E-05
361.9	4247.3	2.08E-06	4.94E-06	3.30E-06	1.03E-07	1.54E-06	1.20E-05
361.7	4249.6	2.64E-06	2.97E-06	4.31E-06	2.49E-07	1.79E-06	1.20E-05
361.3	4250.3	2.88E-06	3.01E-06	3.90E-06	2.27E-07	1.93E-06	1.19E-05
362.1	4248.9	2.23E-06	3.85E-06	4.12E-06	1.82E-07	1.55E-06	1.19E-05
362.2	4248.1	2.09E-06	4.63E-06	3.51E-06	1.33E-07	1.57E-06	1.19E-05
360.6	4250.5	2.45E-06	2.97E-06	4.39E-06	2.78E-07	1.83E-06	1.19E-05
359.2	4248.3	1.80E-06	4.73E-06	3.62E-06	1.42E-07	1.63E-06	1.19E-05
361.4	4246.5	2.72E-06	5.24E-06	1.99E-06	5.38E-08	1.91E-06	1.19E-05
361.8	4246.6	2.58E-06	4.94E-06	2.50E-06	6.74E-08	1.82E-06	1.19E-05
361.7	4249.7	2.84E-06	2.85E-06	4.03E-06	2.43E-07	1.89E-06	1.19E-05
361.3	4246.5	2.80E-06	5.19E-06	1.86E-06	5.02E-08	1.95E-06	1.19E-05
362.2	4247.9	1.97E-06	4.68E-06	3.59E-06	1.31E-07	1.47E-06	1.18E-05
361.1	4250.5	2.92E-06	2.91E-06	3.83E-06	2.03E-07	1.99E-06	1.18E-05
361.9	4247.6	1.89E-06	4.36E-06	4.04E-06	1.33E-07	1.42E-06	1.18E-05
362	4247.1	2.28E-06	5.02E-06	2.80E-06	8.54E-08	1.66E-06	1.18E-05
361.5	4246.5	2.56E-06	5.27E-06	2.12E-06	5.72E-08	1.82E-06	1.18E-05
360.754	4246.831	1.75E-06	6.54E-06	2.10E-06	5.48E-08	1.38E-06	1.18E-05
361	4250.6	2.94E-06	2.88E-06	3.76E-06	2.05E-07	2.02E-06	1.18E-05
359.21	4248.621	1.94E-06	3.89E-06	4.01E-06	1.78E-07	1.79E-06	1.18E-05
359.3	4249.1	2.12E-06	3.47E-06	4.19E-06	2.31E-07	1.77E-06	1.18E-05
360.8	4250.6	2.39E-06	3.02E-06	4.37E-06	2.45E-07	1.74E-06	1.18E-05
361.9	4249.4	2.42E-06	3.20E-06	4.30E-06	2.08E-07	1.63E-06	1.18E-05
361.4	4250.2	2.98E-06	2.95E-06	3.62E-06	2.28E-07	1.97E-06	1.18E-05
361.6	4246.5	2.47E-06	5.21E-06	2.22E-06	6.00E-08	1.77E-06	1.17E-05
361.1	4246.6	2.55E-06	5.50E-06	1.81E-06	4.84E-08	1.81E-06	1.17E-05
360.3	4250.3	2.42E-06	2.91E-06	4.27E-06	3.15E-07	1.80E-06	1.17E-05
361.5	4250.1	2.93E-06	2.91E-06	3.69E-06	2.50E-07	1.94E-06	1.17E-05
361.9	4247.4	2.04E-06	4.52E-06	3.54E-06	1.11E-07	1.50E-06	1.17E-05
359.84	4249.884	2.39E-06	2.81E-06	4.33E-06	3.30E-07	1.85E-06	1.17E-05
362	4249.2	2.03E-06	3.59E-06	4.44E-06	2.16E-07	1.42E-06	1.17E-05
359.213	4247.902	1.99E-06	4.62E-06	3.06E-06	9.84E-08	1.91E-06	1.17E-05
360.8	4246.8	1.85E-06	6.27E-06	2.06E-06	5.33E-08	1.43E-06	1.17E-05
359.3	4249.2	2.15E-06	3.27E-06	4.23E-06	2.30E-07	1.77E-06	1.16E-05
359.4	4249.4	2.14E-06	3.09E-06	4.46E-06	2.64E-07	1.69E-06	1.16E-05
360.7	4250.5	2.40E-06	3.01E-06	4.23E-06	2.28E-07	1.77E-06	1.16E-05
362	4246.9	2.24E-06	5.03E-06	2.64E-06	7.62E-08	1.64E-06	1.16E-05
359.233	4247.589	2.34E-06	4.29E-06	2.59E-06	8.03E-08	2.32E-06	1.16E-05
361.9	4247.5	1.94E-06	4.30E-06	3.81E-06	1.22E-07	1.43E-06	1.16E-05
360.395	4247.146	1.41E-06	6.52E-06	2.36E-06	6.14E-08	1.19E-06	1.15E-05
362	4246.8	2.35E-06	4.87E-06	2.54E-06	7.28E-08	1.69E-06	1.15E-05
360.5	4250.5	2.42E-06	2.83E-06	4.16E-06	2.69E-07	1.82E-06	1.15E-05
360.6	4250.6	2.36E-06	2.84E-06	4.29E-06	2.55E-07	1.76E-06	1.15E-05
361.7	4246.5	2.40E-06	5.01E-06	2.30E-06	6.17E-08	1.72E-06	1.15E-05
362.2	4248.2	1.99E-06	4.37E-06	3.46E-06	1.35E-07	1.51E-06	1.15E-05
359.183	4248.344	1.68E-06	4.55E-06	3.56E-06	1.44E-07	1.52E-06	1.14E-05
361.6	4249.9	2.59E-06	2.89E-06	3.93E-06	2.70E-07	1.76E-06	1.14E-05
362	4246.7	2.47E-06	4.69E-06	2.46E-06	6.98E-08	1.75E-06	1.14E-05
362.1	4249	2.11E-06	3.72E-06	3.94E-06	1.82E-07	1.47E-06	1.14E-05

TASK 3
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.9	4246.7	2.21E-06	5.65E-06	1.87E-06	4.93E-08	1.63E-06	1.14E-05
361.9	4249.5	2.63E-06	2.96E-06	3.90E-06	1.89E-07	1.73E-06	1.14E-05
361.2	4250.5	2.86E-06	2.77E-06	3.60E-06	1.86E-07	1.91E-06	1.13E-05
361.9	4246.6	2.42E-06	4.66E-06	2.46E-06	6.77E-08	1.71E-06	1.13E-05
359.3	4249.3	2.19E-06	3.07E-06	4.06E-06	2.26E-07	1.78E-06	1.13E-05
359.292	4247.507	2.08E-06	4.49E-06	2.53E-06	7.25E-08	2.14E-06	1.13E-05
360.9	4250.7	2.54E-06	2.85E-06	3.91E-06	2.07E-07	1.80E-06	1.13E-05
362.2	4248.4	2.05E-06	4.05E-06	3.57E-06	1.37E-07	1.50E-06	1.13E-05
362.2	4248.5	2.13E-06	3.86E-06	3.62E-06	1.39E-07	1.53E-06	1.13E-05
362	4247.2	2.13E-06	4.64E-06	2.88E-06	9.07E-08	1.55E-06	1.13E-05
359.175	4248.58	1.78E-06	3.89E-06	3.79E-06	1.65E-07	1.66E-06	1.13E-05
360.2	4250.3	2.37E-06	2.74E-06	4.12E-06	2.84E-07	1.74E-06	1.13E-05
360.7	4250.6	2.31E-06	2.89E-06	4.10E-06	2.39E-07	1.71E-06	1.13E-05
359.2	4248	1.78E-06	4.47E-06	3.16E-06	1.04E-07	1.73E-06	1.12E-05
362.2	4247.8	1.80E-06	4.35E-06	3.58E-06	1.25E-07	1.37E-06	1.12E-05
359.914	4249.995	2.39E-06	2.70E-06	4.00E-06	3.10E-07	1.81E-06	1.12E-05
361.2	4246.5	2.54E-06	5.11E-06	1.74E-06	4.71E-08	1.78E-06	1.12E-05
360.4	4250.4	2.41E-06	2.80E-06	3.93E-06	2.52E-07	1.82E-06	1.12E-05
361.5	4246.4	2.54E-06	4.87E-06	1.94E-06	5.27E-08	1.79E-06	1.12E-05
362.1	4247.7	1.81E-06	4.12E-06	3.78E-06	1.20E-07	1.36E-06	1.12E-05
360.3	4250.4	2.30E-06	2.75E-06	4.15E-06	2.72E-07	1.71E-06	1.12E-05
361.6	4246.4	2.46E-06	4.86E-06	2.05E-06	5.56E-08	1.75E-06	1.12E-05
361.3	4250.4	2.75E-06	2.82E-06	3.58E-06	1.99E-07	1.84E-06	1.12E-05
360.237	4246.998	1.60E-06	4.35E-06	3.60E-06	5.47E-08	1.58E-06	1.12E-05
362.3	4248	2.03E-06	4.33E-06	3.19E-06	1.18E-07	1.49E-06	1.12E-05
361.8	4246.5	2.35E-06	4.73E-06	2.33E-06	6.28E-08	1.68E-06	1.12E-05
362.2	4248.3	1.85E-06	4.23E-06	3.52E-06	1.34E-07	1.41E-06	1.11E-05
360.8	4250.7	2.29E-06	2.86E-06	4.11E-06	2.21E-07	1.66E-06	1.11E-05
359.7	4249.8	2.22E-06	2.67E-06	4.23E-06	3.02E-07	1.72E-06	1.11E-05
361.4	4246.4	2.62E-06	4.82E-06	1.82E-06	4.94E-08	1.83E-06	1.11E-05
359.6	4249.7	2.15E-06	2.71E-06	4.28E-06	2.92E-07	1.68E-06	1.11E-05
361	4250.7	2.78E-06	2.72E-06	3.50E-06	1.85E-07	1.92E-06	1.11E-05
361	4246.6	2.47E-06	5.10E-06	1.72E-06	4.63E-08	1.75E-06	1.11E-05
359.8	4249.9	2.28E-06	2.66E-06	4.07E-06	3.04E-07	1.76E-06	1.11E-05
359.2	4247.8	1.93E-06	4.31E-06	2.81E-06	9.27E-08	1.92E-06	1.11E-05
362.1	4249.1	2.09E-06	3.51E-06	3.83E-06	1.85E-07	1.44E-06	1.11E-05
361.8	4249.6	2.50E-06	2.81E-06	3.84E-06	2.07E-07	1.69E-06	1.11E-05
361.1	4250.6	2.79E-06	2.72E-06	3.45E-06	1.79E-07	1.90E-06	1.10E-05
362.2	4248.6	2.00E-06	3.71E-06	3.73E-06	1.39E-07	1.45E-06	1.10E-05
362.3	4248.1	2.04E-06	4.22E-06	3.12E-06	1.19E-07	1.51E-06	1.10E-05
361.7	4249.8	2.57E-06	2.72E-06	3.74E-06	2.35E-07	1.73E-06	1.10E-05
359.5	4249.6	2.10E-06	2.77E-06	4.21E-06	2.76E-07	1.63E-06	1.10E-05
362.2	4248.8	2.08E-06	3.53E-06	3.75E-06	1.53E-07	1.48E-06	1.10E-05
360.1	4250.2	2.35E-06	2.68E-06	3.94E-06	2.83E-07	1.73E-06	1.10E-05
359.832	4249.938	2.28E-06	2.64E-06	3.99E-06	3.01E-07	1.75E-06	1.10E-05
361.5	4250.2	2.83E-06	2.75E-06	3.30E-06	2.08E-07	1.87E-06	1.10E-05
360	4250.1	2.37E-06	2.65E-06	3.87E-06	2.94E-07	1.76E-06	1.09E-05
362.1	4246.8	2.25E-06	4.59E-06	2.41E-06	6.96E-08	1.62E-06	1.09E-05
362	4249.3	1.93E-06	3.31E-06	4.15E-06	2.01E-07	1.35E-06	1.09E-05
362.1	4246.9	2.13E-06	4.66E-06	2.49E-06	7.27E-08	1.56E-06	1.09E-05
361.3	4246.4	2.61E-06	4.73E-06	1.70E-06	4.62E-08	1.81E-06	1.09E-05
362.2	4248.7	1.94E-06	3.60E-06	3.78E-06	1.43E-07	1.41E-06	1.09E-05
362.3	4247.9	1.90E-06	4.23E-06	3.22E-06	1.19E-07	1.41E-06	1.09E-05
359.178	4247.981	1.74E-06	4.31E-06	3.04E-06	9.99E-08	1.68E-06	1.09E-05
361.7	4246.4	2.28E-06	4.75E-06	2.13E-06	5.75E-08	1.64E-06	1.09E-05
362	4247.6	1.79E-06	3.91E-06	3.70E-06	1.20E-07	1.33E-06	1.08E-05
361.4	4250.3	2.71E-06	2.79E-06	3.34E-06	1.99E-07	1.80E-06	1.08E-05
359.4	4249.5	2.06E-06	2.82E-06	4.11E-06	2.51E-07	1.61E-06	1.08E-05
359.894	4247.019	1.69E-06	5.03E-06	2.60E-06	5.04E-08	1.47E-06	1.08E-05
362.1	4246.7	2.32E-06	4.47E-06	2.33E-06	6.69E-08	1.65E-06	1.08E-05
359.201	4247.714	1.96E-06	4.17E-06	2.65E-06	8.89E-08	1.95E-06	1.08E-05
362	4246.6	2.28E-06	4.47E-06	2.37E-06	6.67E-08	1.62E-06	1.08E-05
362.1	4247	2.08E-06	4.58E-06	2.54E-06	7.63E-08	1.53E-06	1.08E-05
360.7	4250.7	2.23E-06	2.75E-06	3.94E-06	2.27E-07	1.65E-06	1.08E-05
361.6	4250	2.46E-06	2.76E-06	3.61E-06	2.52E-07	1.68E-06	1.08E-05
359.396	4247.448	1.75E-06	4.72E-06	2.48E-06	6.74E-08	1.73E-06	1.07E-05
362.2	4248.9	2.02E-06	3.48E-06	3.64E-06	1.57E-07	1.42E-06	1.07E-05
362.3	4248.2	2.00E-06	4.00E-06	3.11E-06	1.19E-07	1.49E-06	1.07E-05
360.9	4250.8	2.42E-06	2.70E-06	3.69E-06	1.91E-07	1.71E-06	1.07E-05
362.1	4249.2	2.08E-06	3.28E-06	3.73E-06	1.82E-07	1.42E-06	1.07E-05
361.9	4246.5	2.22E-06	4.46E-06	2.33E-06	6.35E-08	1.59E-06	1.07E-05
362	4247.3	1.94E-06	4.18E-06	3.01E-06	9.65E-08	1.42E-06	1.07E-05
361.9	4249.6	2.52E-06	2.74E-06	3.53E-06	1.76E-07	1.67E-06	1.06E-05
359.3	4249.4	2.07E-06	2.84E-06	3.83E-06	2.19E-07	1.65E-06	1.06E-05
360.428	4247.101	1.44E-06	5.82E-06	2.13E-06	5.33E-08	1.17E-06	1.06E-05
361.2	4250.6	2.77E-06	2.58E-06	3.23E-06	1.62E-07	1.84E-06	1.06E-05
362	4249.4	2.07E-06	3.05E-06	3.87E-06	1.82E-07	1.42E-06	1.06E-05
362	4249.5	2.38E-06	2.84E-06	3.61E-06	1.64E-07	1.57E-06	1.06E-05
359.1	4248.3	1.66E-06	4.19E-06	3.13E-06	1.24E-07	1.46E-06	1.06E-05

TASK 3
CUMULATIVE LIFETIME CANCER RISK PER LOCATION

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
359.1	4248.2	1.66E-06	4.17E-06	3.04E-06	1.14E-07	1.57E-06	1.06E-05
362.2	4249	2.09E-06	3.38E-06	3.44E-06	1.55E-07	1.44E-06	1.05E-05
361.3	4250.5	2.65E-06	2.64E-06	3.29E-06	1.73E-07	1.76E-06	1.05E-05
362.3	4248.4	1.99E-06	3.75E-06	3.19E-06	1.21E-07	1.44E-06	1.05E-05
361.8	4246.4	2.16E-06	4.55E-06	2.17E-06	5.87E-08	1.56E-06	1.05E-05
359.1	4248.7	1.85E-06	3.37E-06	3.49E-06	1.54E-07	1.63E-06	1.05E-05
362.3	4248.3	1.90E-06	3.88E-06	3.16E-06	1.18E-07	1.42E-06	1.05E-05
360.5	4250.6	2.24E-06	2.61E-06	3.71E-06	2.18E-07	1.69E-06	1.05E-05
361.8	4249.7	2.40E-06	2.66E-06	3.56E-06	2.00E-07	1.63E-06	1.05E-05
362.3	4248.5	2.03E-06	3.60E-06	3.24E-06	1.22E-07	1.46E-06	1.05E-05
361	4250.8	2.60E-06	2.58E-06	3.30E-06	1.70E-07	1.80E-06	1.04E-05
360.8	4250.8	2.17E-06	2.70E-06	3.80E-06	2.02E-07	1.58E-06	1.04E-05
361.5	4250.3	2.82E-06	2.61E-06	2.99E-06	1.78E-07	1.84E-06	1.04E-05
362.1	4247.1	1.99E-06	4.32E-06	2.58E-06	8.05E-08	1.46E-06	1.04E-05
359.1	4248.8	1.88E-06	3.25E-06	3.50E-06	1.59E-07	1.63E-06	1.04E-05
360.4	4250.5	2.26E-06	2.61E-06	3.61E-06	2.22E-07	1.70E-06	1.04E-05
362.2	4246.8	2.17E-06	4.30E-06	2.29E-06	6.65E-08	1.56E-06	1.04E-05
362.2	4247.7	1.68E-06	3.82E-06	3.48E-06	1.14E-07	1.27E-06	1.04E-05
361.4	4250.4	2.67E-06	2.65E-06	3.11E-06	1.77E-07	1.76E-06	1.04E-05
359.107	4248.394	1.53E-06	4.07E-06	3.24E-06	1.34E-07	1.40E-06	1.04E-05
362.3	4247.8	1.75E-06	3.95E-06	3.22E-06	1.16E-07	1.33E-06	1.04E-05
361.8	4246.3	2.29E-06	4.36E-06	2.03E-06	5.49E-08	1.62E-06	1.04E-05
361.6	4250.1	2.49E-06	2.64E-06	3.31E-06	2.23E-07	1.68E-06	1.03E-05
361.7	4246.3	2.22E-06	4.49E-06	1.98E-06	5.37E-08	1.59E-06	1.03E-05
361.4	4246.3	2.45E-06	4.44E-06	1.67E-06	4.56E-08	1.71E-06	1.03E-05
361.5	4246.3	2.33E-06	4.49E-06	1.79E-06	4.87E-08	1.65E-06	1.03E-05
361.6	4246.3	2.24E-06	4.52E-06	1.90E-06	5.15E-08	1.60E-06	1.03E-05
362.2	4246.7	2.19E-06	4.24E-06	2.22E-06	6.40E-08	1.57E-06	1.03E-05
361.1	4250.7	2.64E-06	2.55E-06	3.13E-06	1.61E-07	1.80E-06	1.03E-05
360.6	4250.7	2.17E-06	2.59E-06	3.69E-06	2.05E-07	1.63E-06	1.03E-05
362	4247.4	1.81E-06	3.87E-06	3.19E-06	1.03E-07	1.32E-06	1.03E-05
361.1	4246.5	2.21E-06	4.80E-06	1.64E-06	4.45E-08	1.59E-06	1.03E-05
359.1	4248.9	1.88E-06	3.15E-06	3.42E-06	1.62E-07	1.65E-06	1.03E-05
360.481	4247.029	1.45E-06	5.62E-06	2.00E-06	5.17E-08	1.15E-06	1.03E-05
360.3	4250.5	2.15E-06	2.54E-06	3.72E-06	2.37E-07	1.60E-06	1.03E-05
360.2	4250.4	2.20E-06	2.52E-06	3.68E-06	2.45E-07	1.61E-06	1.03E-05
361.2	4246.4	2.40E-06	4.55E-06	1.59E-06	4.35E-08	1.67E-06	1.03E-05
362.1	4246.6	2.11E-06	4.30E-06	2.25E-06	6.45E-08	1.52E-06	1.02E-05
362.3	4248.6	1.94E-06	3.46E-06	3.33E-06	1.21E-07	1.39E-06	1.02E-05
362	4247.5	1.74E-06	3.75E-06	3.34E-06	1.11E-07	1.28E-06	1.02E-05
360.8	4246.7	1.72E-06	5.26E-06	1.88E-06	4.86E-08	1.31E-06	1.02E-05
361.7	4249.9	2.36E-06	2.58E-06	3.44E-06	2.20E-07	1.61E-06	1.02E-05
359.067	4248.643	1.75E-06	3.43E-06	3.32E-06	1.43E-07	1.57E-06	1.02E-05
362.2	4246.9	2.08E-06	4.22E-06	2.33E-06	6.92E-08	1.51E-06	1.02E-05
361.8	4246.2	2.41E-06	4.14E-06	1.91E-06	5.15E-08	1.69E-06	1.02E-05
360.749	4246.728	1.61E-06	5.36E-06	1.92E-06	4.96E-08	1.23E-06	1.02E-05
362.4	4248	1.90E-06	3.91E-06	2.86E-06	1.07E-07	1.39E-06	1.02E-05
361.7	4246.2	2.37E-06	4.22E-06	1.85E-06	5.01E-08	1.67E-06	1.02E-05
362.048	4247.285	1.89E-06	3.93E-06	2.86E-06	9.25E-08	1.37E-06	1.01E-05
362.2	4249.1	2.09E-06	3.19E-06	3.26E-06	1.54E-07	1.42E-06	1.01E-05
362	4246.5	2.05E-06	4.25E-06	2.27E-06	6.33E-08	1.48E-06	1.01E-05
359.1	4247.9	1.75E-06	3.99E-06	2.66E-06	8.64E-08	1.63E-06	1.01E-05
362.4	4247.9	1.89E-06	3.83E-06	2.91E-06	1.07E-07	1.38E-06	1.01E-05
362.1	4247.6	1.70E-06	3.60E-06	3.44E-06	1.10E-07	1.26E-06	1.01E-05
361.9	4246.4	2.06E-06	4.29E-06	2.18E-06	5.94E-08	1.49E-06	1.01E-05
359.6	4249.8	2.02E-06	2.44E-06	3.82E-06	2.59E-07	1.55E-06	1.01E-05
360.4	4250.6	2.16E-06	2.51E-06	3.56E-06	2.25E-07	1.62E-06	1.01E-05
360.1	4250.3	2.19E-06	2.47E-06	3.55E-06	2.47E-07	1.61E-06	1.01E-05
359.1	4248.1	1.54E-06	4.06E-06	2.89E-06	1.03E-07	1.48E-06	1.01E-05
360.9	4250.9	2.25E-06	2.56E-06	3.48E-06	1.76E-07	1.60E-06	1.01E-05
359.7	4249.9	2.08E-06	2.41E-06	3.71E-06	2.64E-07	1.59E-06	1.01E-05
359.792	4247.004	1.32E-06	5.26E-06	2.21E-06	4.76E-08	1.17E-06	1.00E-05
359.8	4250	2.14E-06	2.42E-06	3.56E-06	2.63E-07	1.63E-06	1.00E-05
362	4249.6	2.37E-06	2.63E-06	3.29E-06	1.52E-07	1.56E-06	1.00E-05
359.2	4249.2	1.85E-06	2.92E-06	3.53E-06	1.91E-07	1.51E-06	1.00E-05
359.2	4249.3	1.96E-06	2.77E-06	3.48E-06	1.88E-07	1.59E-06	9.99E-06
362.4	4248.1	1.86E-06	3.85E-06	2.79E-06	1.07E-07	1.38E-06	9.99E-06
359.9	4250.1	2.19E-06	2.43E-06	3.46E-06	2.62E-07	1.64E-06	9.98E-06
359.079	4248.449	1.50E-06	3.77E-06	3.18E-06	1.32E-07	1.39E-06	9.98E-06
359.5	4249.7	1.95E-06	2.49E-06	3.78E-06	2.49E-07	1.50E-06	9.97E-06
362.1	4249.3	1.89E-06	3.05E-06	3.55E-06	1.72E-07	1.30E-06	9.96E-06
362.3	4248.7	1.79E-06	3.35E-06	3.37E-06	1.26E-07	1.31E-06	9.95E-06
359.4	4249.6	1.94E-06	2.56E-06	3.72E-06	2.34E-07	1.49E-06	9.94E-06
362.3	4248.8	1.83E-06	3.28E-06	3.35E-06	1.34E-07	1.32E-06	9.92E-06
362.2	4247	2.06E-06	3.96E-06	2.34E-06	7.22E-08	1.48E-06	9.91E-06
359.1	4249	1.85E-06	2.99E-06	3.28E-06	1.62E-07	1.63E-06	9.91E-06
360	4250.2	2.15E-06	2.43E-06	3.47E-06	2.54E-07	1.61E-06	9.91E-06
360.9	4246.6	2.03E-06	4.66E-06	1.68E-06	4.51E-08	1.48E-06	9.91E-06
361.5	4250.4	2.73E-06	2.48E-06	2.76E-06	1.56E-07	1.77E-06	9.91E-06

TASK 3
CUMULATIVE ADULT CANCER RISK PER LOCATION

RECEPTOR		ADULT CANCER RISK					CUMULATIVE ADULT CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.302	4247.704	2.23E-06	5.90E-04	4.86E-06	1.01E-07	2.27E-06	6.00E-04
360.623	4247.86	3.34E-06	1.17E-04	1.63E-05	1.20E-07	3.25E-06	1.40E-04
360.578	4247.772	3.17E-06	1.20E-04	1.15E-05	9.47E-08	3.11E-06	1.38E-04
360.6	4247.8	3.24E-06	1.16E-04	1.29E-05	9.93E-08	3.15E-06	1.36E-04
360.263	4247.743	2.80E-06	1.25E-04	5.08E-06	1.06E-07	3.02E-06	1.36E-04
360.239	4248.398	3.48E-05	1.80E-05	2.36E-05	7.31E-07	4.66E-05	1.24E-04
360.23	4248.121	2.79E-05	2.64E-05	1.08E-05	2.79E-07	3.71E-05	1.02E-04
360.4	4248.912	4.99E-06	1.70E-05	5.76E-05	7.43E-06	4.36E-06	9.14E-05
360.5	4249	4.38E-06	1.63E-05	5.56E-05	1.08E-05	3.57E-06	9.06E-05
360.6	4249	3.72E-06	1.70E-05	5.55E-05	1.13E-05	2.97E-06	9.05E-05
360.6	4247.7	2.88E-06	7.10E-05	6.75E-06	8.08E-08	2.70E-06	8.34E-05
360.289	4248.002	9.26E-06	5.38E-05	8.56E-06	2.08E-07	1.15E-05	8.33E-05
360.1	4248.2	2.50E-05	1.33E-05	1.01E-05	3.07E-07	3.37E-05	8.25E-05
360.2	4248.1	2.06E-05	2.35E-05	1.00E-05	2.54E-07	2.71E-05	8.15E-05
360.245	4247.842	4.28E-06	6.45E-05	6.23E-06	1.32E-07	4.81E-06	8.00E-05
360.341	4248.904	5.27E-06	1.50E-05	4.52E-05	5.19E-06	4.73E-06	7.53E-05
360.527	4247.67	2.55E-06	6.49E-05	4.26E-06	8.23E-08	2.45E-06	7.43E-05
360.705	4247.78	3.19E-06	5.71E-05	8.69E-06	1.21E-07	2.83E-06	7.19E-05
360.668	4247.947	3.52E-06	5.32E-05	9.97E-06	1.60E-07	3.41E-06	7.02E-05
360.4	4249	4.94E-06	1.32E-05	4.02E-05	6.30E-06	4.07E-06	6.87E-05
360.7	4249	3.21E-06	1.43E-05	4.20E-05	6.69E-06	2.48E-06	6.87E-05
360.656	4247.671	2.96E-06	5.50E-05	6.52E-06	1.08E-07	2.66E-06	6.73E-05
360.261	4247.658	2.28E-06	5.73E-05	4.60E-06	8.88E-08	2.41E-06	6.67E-05
360.728	4248.992	3.11E-06	1.36E-05	3.91E-05	5.88E-06	2.38E-06	6.40E-05
360.169	4248.084	1.46E-05	2.04E-05	9.24E-06	2.35E-07	1.87E-05	6.33E-05
360.196	4248.694	9.09E-06	1.31E-05	2.83E-05	1.65E-06	9.95E-06	6.21E-05
360.7	4247.9	3.26E-06	4.69E-05	8.63E-06	1.31E-07	3.05E-06	6.20E-05
360.578	4247.646	2.55E-06	5.22E-05	4.34E-06	7.25E-08	2.38E-06	6.15E-05
360.5	4249.1	4.13E-06	1.17E-05	3.59E-05	6.38E-06	3.25E-06	6.14E-05
360.6	4249.1	3.91E-06	1.18E-05	3.60E-05	6.48E-06	3.06E-06	6.13E-05
360.198	4248.033	1.14E-05	2.63E-05	8.59E-06	2.07E-07	1.43E-05	6.09E-05
360.117	4248.126	1.55E-05	1.53E-05	9.33E-06	2.53E-07	2.02E-05	6.06E-05
360.226	4247.933	5.90E-06	4.01E-05	7.18E-06	1.62E-07	6.92E-06	6.03E-05
360.212	4247.985	7.87E-06	3.22E-05	7.87E-06	1.83E-07	9.51E-06	5.77E-05
360.052	4248.165	1.56E-05	1.15E-05	8.85E-06	2.61E-07	2.06E-05	5.69E-05
360.794	4248.896	2.98E-06	1.30E-05	3.30E-05	4.72E-06	2.30E-06	5.61E-05
360.253	4248.902	5.49E-06	1.14E-05	3.08E-05	2.91E-06	5.09E-06	5.57E-05
360.188	4248.787	6.89E-06	1.13E-05	2.67E-05	1.84E-06	7.09E-06	5.38E-05
360.3	4249	5.09E-06	1.06E-05	2.86E-05	3.54E-06	4.34E-06	5.22E-05
360.7	4248	3.40E-06	3.56E-05	9.21E-06	1.78E-07	3.20E-06	5.16E-05
360.7	4249.1	3.57E-06	1.05E-05	3.01E-05	4.46E-06	2.74E-06	5.14E-05
360.4	4249.1	4.24E-06	1.01E-05	2.79E-05	4.26E-06	3.39E-06	4.99E-05
360.186	4248.85	6.03E-06	1.03E-05	2.53E-05	1.91E-06	5.94E-06	4.95E-05
360.843	4248.678	3.07E-06	1.27E-05	2.78E-05	2.63E-06	2.46E-06	4.86E-05
360.2	4248.9	5.61E-06	9.94E-06	2.51E-05	2.09E-06	5.31E-06	4.81E-05
360.498	4249.157	3.77E-06	9.52E-06	2.71E-05	4.51E-06	2.93E-06	4.78E-05
360.8	4247.8	3.15E-06	3.31E-05	8.04E-06	1.61E-07	2.69E-06	4.72E-05
360.6	4247.6	2.38E-06	3.86E-05	3.54E-06	6.70E-08	2.17E-06	4.68E-05
360.713	4248.035	3.28E-06	2.98E-05	9.60E-06	1.93E-07	3.02E-06	4.59E-05
360.827	4248.784	3.02E-06	1.20E-05	2.42E-05	3.61E-06	2.38E-06	4.52E-05
360.592	4249.185	3.52E-06	9.09E-06	2.59E-05	3.91E-06	2.71E-06	4.52E-05
360.187	4248.927	5.47E-06	9.24E-06	2.30E-05	1.92E-06	5.09E-06	4.48E-05
360.838	4248.485	3.03E-06	1.28E-05	2.40E-05	1.25E-06	2.45E-06	4.36E-05
360.305	4247.6	1.81E-06	3.55E-05	3.84E-06	8.14E-08	1.78E-06	4.30E-05
360.03	4248.262	9.46E-06	1.01E-05	9.65E-06	3.23E-07	1.22E-05	4.18E-05
360.8	4247.9	3.14E-06	2.72E-05	8.18E-06	2.05E-07	2.76E-06	4.15E-05
360.2	4249	5.04E-06	8.49E-06	2.10E-05	1.98E-06	4.45E-06	4.10E-05
360.3	4249.1	4.25E-06	8.46E-06	2.13E-05	2.63E-06	3.49E-06	4.01E-05
360.403	4249.137	3.99E-06	8.49E-06	2.05E-05	3.60E-06	3.16E-06	3.97E-05
360.546	4247.561	2.04E-06	3.27E-05	2.75E-06	6.16E-08	1.87E-06	3.94E-05
360.607	4247.562	2.26E-06	3.19E-05	3.12E-06	7.20E-08	2.03E-06	3.94E-05
361	4248.7	2.62E-06	9.18E-06	2.33E-05	1.27E-06	2.03E-06	3.84E-05
361	4248.8	2.81E-06	8.60E-06	2.27E-05	1.40E-06	2.20E-06	3.77E-05
360.858	4248.572	2.93E-06	1.06E-05	2.02E-05	1.28E-06	2.36E-06	3.73E-05
360.826	4248.376	2.97E-06	1.20E-05	1.84E-05	5.24E-07	2.42E-06	3.63E-05
360.334	4249.128	4.08E-06	7.91E-06	1.82E-05	2.76E-06	3.29E-06	3.62E-05
360.775	4248.017	2.97E-06	2.17E-05	8.51E-06	1.85E-07	2.63E-06	3.60E-05
360.171	4249.034	4.66E-06	7.56E-06	1.81E-05	1.64E-06	4.07E-06	3.60E-05
361	4248.6	2.54E-06	9.27E-06	2.11E-05	1.07E-06	1.97E-06	3.60E-05
360.8	4249	2.81E-06	9.11E-06	1.80E-05	3.79E-06	2.13E-06	3.59E-05
360.9	4247.9	2.88E-06	2.10E-05	9.24E-06	2.13E-07	2.41E-06	3.57E-05
359.992	4248.193	7.70E-06	9.34E-06	8.20E-06	2.59E-07	9.79E-06	3.53E-05
360.9	4248	2.80E-06	1.82E-05	1.14E-05	2.77E-07	2.30E-06	3.49E-05
361	4248.9	2.89E-06	7.71E-06	1.97E-05	1.43E-06	2.22E-06	3.40E-05
360.9	4247.8	2.88E-06	2.10E-05	7.43E-06	1.66E-07	2.38E-06	3.39E-05
360.269	4249.127	4.06E-06	7.35E-06	1.69E-05	2.07E-06	3.33E-06	3.37E-05
360.678	4249.21	3.13E-06	7.38E-06	1.79E-05	2.75E-06	2.39E-06	3.35E-05
360.8	4248	2.89E-06	1.96E-05	7.97E-06	1.78E-07	2.52E-06	3.32E-05
360.2	4249.1	4.15E-06	7.10E-06	1.66E-05	1.66E-06	3.51E-06	3.30E-05

TASK 3
CUMULATIVE ADULT CANCER RISK PER LOCATION

RECEPTOR		ADULT CANCER RISK					CUMULATIVE ADULT CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.9	4248.1	2.66E-06	1.49E-05	1.28E-05	3.61E-07	2.13E-06	3.29E-05
360.9	4247.7	2.91E-06	2.10E-05	6.24E-06	1.31E-07	2.34E-06	3.27E-05
360.1	4249	4.60E-06	6.89E-06	1.58E-05	1.21E-06	4.12E-06	3.26E-05
360.8	4248.102	2.79E-06	1.69E-05	1.03E-05	2.36E-07	2.35E-06	3.25E-05
360.825	4248.188	2.82E-06	1.39E-05	1.24E-05	3.01E-07	2.35E-06	3.18E-05
360.9	4249.1	2.60E-06	7.21E-06	1.80E-05	1.87E-06	1.93E-06	3.16E-05
360.049	4248.941	4.66E-06	6.70E-06	1.47E-05	9.86E-07	4.25E-06	3.13E-05
360.85	4248.273	2.88E-06	1.17E-05	1.38E-05	3.74E-07	2.39E-06	3.12E-05
360.233	4249.168	3.88E-06	6.69E-06	1.55E-05	1.59E-06	3.17E-06	3.08E-05
361	4248.2	2.54E-06	1.16E-05	1.40E-05	4.24E-07	2.02E-06	3.06E-05
361.1	4248.7	2.82E-06	7.34E-06	1.70E-05	8.52E-07	2.17E-06	3.02E-05
361.1	4248.6	2.72E-06	7.81E-06	1.67E-05	7.66E-07	2.13E-06	3.02E-05
361	4248.5	2.52E-06	8.85E-06	1.59E-05	8.40E-07	1.96E-06	3.01E-05
360.875	4248.359	2.78E-06	1.01E-05	1.43E-05	4.50E-07	2.25E-06	2.99E-05
360.9	4248.5	2.71E-06	8.99E-06	1.53E-05	6.86E-07	2.15E-06	2.98E-05
361	4249	2.55E-06	6.82E-06	1.71E-05	1.36E-06	1.93E-06	2.97E-05
361.1	4248.8	2.88E-06	6.91E-06	1.67E-05	9.25E-07	2.19E-06	2.96E-05
360.578	4247.5	1.91E-06	2.35E-05	2.41E-06	5.96E-08	1.69E-06	2.96E-05
361.1	4248.5	2.50E-06	8.25E-06	1.60E-05	6.58E-07	1.96E-06	2.94E-05
361	4248.1	2.53E-06	1.24E-05	1.21E-05	3.35E-07	1.99E-06	2.93E-05
360.9	4247.6	2.87E-06	1.91E-05	4.99E-06	1.04E-07	2.28E-06	2.93E-05
360.171	4249.149	3.85E-06	6.22E-06	1.41E-05	1.33E-06	3.22E-06	2.87E-05
360.9	4248.6	2.73E-06	8.30E-06	1.45E-05	8.47E-07	2.17E-06	2.85E-05
361	4248	2.61E-06	1.32E-05	1.03E-05	2.63E-07	2.09E-06	2.85E-05
360.9	4248.7	2.73E-06	7.83E-06	1.46E-05	1.03E-06	2.16E-06	2.84E-05
360.9	4248.4	2.68E-06	9.12E-06	1.36E-05	4.67E-07	2.12E-06	2.80E-05
360.9	4249.2	2.71E-06	6.27E-06	1.54E-05	1.54E-06	2.03E-06	2.79E-05
360.632	4249.294	3.10E-06	6.17E-06	1.39E-05	2.07E-06	2.37E-06	2.76E-05
359.934	4248.308	5.05E-06	7.84E-06	8.59E-06	2.98E-07	5.84E-06	2.76E-05
361	4247.9	2.54E-06	1.44E-05	8.29E-06	2.08E-07	2.06E-06	2.75E-05
361.1	4248.9	2.80E-06	6.34E-06	1.52E-05	9.52E-07	2.12E-06	2.74E-05
360.198	4249.204	3.68E-06	5.97E-06	1.34E-05	1.29E-06	3.00E-06	2.74E-05
361.1	4248.4	2.32E-06	8.52E-06	1.41E-05	5.50E-07	1.81E-06	2.73E-05
361.1	4248.3	2.36E-06	9.17E-06	1.30E-05	4.49E-07	1.86E-06	2.68E-05
360.9	4248.3	2.70E-06	9.62E-06	1.19E-05	3.71E-07	2.19E-06	2.68E-05
360.9	4248.2	2.64E-06	1.09E-05	1.07E-05	3.54E-07	2.14E-06	2.67E-05
361	4248.3	2.52E-06	9.28E-06	1.23E-05	5.20E-07	2.00E-06	2.66E-05
360.9	4248.9	2.63E-06	7.26E-06	1.28E-05	1.80E-06	2.01E-06	2.65E-05
361	4249.1	2.46E-06	6.07E-06	1.48E-05	1.26E-06	1.84E-06	2.65E-05
360.1	4249.1	3.82E-06	5.76E-06	1.24E-05	1.12E-06	3.29E-06	2.64E-05
360.9	4248.8	2.67E-06	7.20E-06	1.32E-05	1.12E-06	2.08E-06	2.63E-05
360.302	4247.5	1.49E-06	2.03E-05	2.97E-06	6.73E-08	1.43E-06	2.62E-05
361	4248.4	2.49E-06	8.52E-06	1.25E-05	6.55E-07	1.95E-06	2.61E-05
360.9	4249	2.56E-06	6.89E-06	1.25E-05	2.07E-06	1.93E-06	2.60E-05
361	4247.8	2.63E-06	1.40E-05	6.89E-06	1.66E-07	2.12E-06	2.59E-05
361.1	4248.2	2.27E-06	9.59E-06	1.15E-05	3.68E-07	1.79E-06	2.55E-05
360	4249	3.73E-06	5.70E-06	1.20E-05	8.20E-07	3.25E-06	2.55E-05
361.1	4248.1	2.47E-06	9.99E-06	1.05E-05	3.03E-07	1.95E-06	2.52E-05
360.2	4249.26	3.47E-06	5.48E-06	1.21E-05	1.14E-06	2.79E-06	2.50E-05
361.2	4248.6	2.63E-06	6.74E-06	1.29E-05	5.78E-07	2.00E-06	2.48E-05
361	4247.7	2.72E-06	1.41E-05	5.69E-06	1.33E-07	2.14E-06	2.48E-05
360.9	4247.5	2.67E-06	1.59E-05	3.90E-06	8.50E-08	2.11E-06	2.47E-05
361.2	4248.5	2.53E-06	7.18E-06	1.24E-05	5.19E-07	1.97E-06	2.46E-05
360.115	4249.143	3.68E-06	5.45E-06	1.12E-05	1.11E-06	3.12E-06	2.46E-05
360.513	4247.475	1.62E-06	1.93E-05	2.08E-06	5.28E-08	1.44E-06	2.45E-05
360.8	4249.1	2.68E-06	6.28E-06	1.16E-05	1.71E-06	2.02E-06	2.43E-05
361.2	4248.7	2.45E-06	6.23E-06	1.31E-05	6.21E-07	1.88E-06	2.43E-05
361.1	4248	2.48E-06	1.05E-05	9.00E-06	2.48E-07	1.95E-06	2.42E-05
361.1	4249	2.43E-06	5.65E-06	1.33E-05	9.16E-07	1.84E-06	2.42E-05
360.8	4249.2	2.65E-06	6.02E-06	1.15E-05	1.90E-06	1.98E-06	2.40E-05
360.9	4249.3	2.52E-06	5.47E-06	1.29E-05	1.23E-06	1.87E-06	2.40E-05
359.958	4248.92	3.48E-06	5.64E-06	1.10E-05	7.07E-07	3.08E-06	2.40E-05
361	4249.2	2.62E-06	5.41E-06	1.28E-05	1.11E-06	1.93E-06	2.39E-05
361	4247.6	2.97E-06	1.36E-05	4.69E-06	1.08E-07	2.25E-06	2.36E-05
359.912	4248.213	3.94E-06	7.63E-06	7.23E-06	2.37E-07	4.53E-06	2.36E-05
361.2	4248.8	2.33E-06	5.83E-06	1.29E-05	6.68E-07	1.80E-06	2.36E-05
359.9	4248.3	3.86E-06	7.23E-06	7.85E-06	2.74E-07	4.30E-06	2.35E-05
361.2	4248.4	2.20E-06	7.51E-06	1.16E-05	4.48E-07	1.72E-06	2.35E-05
360.585	4249.378	3.02E-06	5.27E-06	1.12E-05	1.50E-06	2.30E-06	2.33E-05
361.1	4247.9	2.39E-06	1.11E-05	7.65E-06	2.01E-07	1.90E-06	2.32E-05
360.199	4249.312	3.27E-06	5.04E-06	1.08E-05	1.01E-06	2.61E-06	2.28E-05
360.06	4249.18	3.36E-06	5.00E-06	1.07E-05	8.84E-07	2.81E-06	2.27E-05
360	4249.1	3.31E-06	5.02E-06	1.06E-05	7.96E-07	2.81E-06	2.25E-05
361.2	4248.3	2.11E-06	7.84E-06	1.05E-05	3.80E-07	1.66E-06	2.25E-05
360.088	4249.225	3.33E-06	4.92E-06	1.05E-05	8.94E-07	2.75E-06	2.24E-05
361.2	4248.9	2.23E-06	5.41E-06	1.23E-05	6.92E-07	1.71E-06	2.23E-05
361.1	4249.1	2.23E-06	5.06E-06	1.18E-05	8.68E-07	1.66E-06	2.16E-05
360.8	4249.3	2.56E-06	5.29E-06	1.03E-05	1.42E-06	1.91E-06	2.15E-05
361.2	4248.1	2.15E-06	8.38E-06	8.96E-06	2.69E-07	1.70E-06	2.15E-05

TASK 3
CUMULATIVE ADULT CANCER RISK PER LOCATION

RECEPTOR		ADULT CANCER RISK					CUMULATIVE ADULT CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361	4249.3	2.77E-06	4.83E-06	1.08E-05	9.77E-07	1.98E-06	2.14E-05
361	4247.5	2.94E-06	1.22E-05	3.83E-06	8.91E-08	2.20E-06	2.13E-05
360.6	4249.4	2.92E-06	4.88E-06	9.92E-06	1.22E-06	2.23E-06	2.12E-05
360.7	4249.3	2.82E-06	5.09E-06	9.95E-06	1.13E-06	2.14E-06	2.11E-05
360.8	4249.4	2.52E-06	4.95E-06	1.07E-05	1.10E-06	1.88E-06	2.11E-05
361.1	4247.8	2.28E-06	1.06E-05	6.31E-06	1.64E-07	1.80E-06	2.11E-05
361.2	4248	2.26E-06	8.90E-06	7.90E-06	2.27E-07	1.76E-06	2.10E-05
360.9	4249.4	2.51E-06	4.82E-06	1.08E-05	9.67E-07	1.85E-06	2.09E-05
359.868	4248.894	3.16E-06	5.10E-06	9.15E-06	5.30E-07	2.77E-06	2.07E-05
361.3	4248.5	2.28E-06	6.27E-06	9.87E-06	4.11E-07	1.77E-06	2.06E-05
361.3	4248.6	2.21E-06	5.91E-06	1.02E-05	4.48E-07	1.69E-06	2.05E-05
360	4249.2	3.12E-06	4.51E-06	9.42E-06	7.27E-07	2.59E-06	2.04E-05
361.1	4247.7	2.44E-06	1.05E-05	5.33E-06	1.34E-07	1.90E-06	2.03E-05
361.2	4248.2	2.00E-06	7.55E-06	8.78E-06	3.17E-07	1.58E-06	2.02E-05
359.839	4248.354	3.16E-06	6.19E-06	7.17E-06	2.68E-07	3.42E-06	2.02E-05
361.2	4249	2.19E-06	4.85E-06	1.08E-05	6.68E-07	1.65E-06	2.02E-05
360.068	4249.275	3.11E-06	4.46E-06	9.29E-06	7.81E-07	2.55E-06	2.02E-05
360.195	4249.375	3.02E-06	4.53E-06	9.37E-06	8.84E-07	2.38E-06	2.02E-05
359.9	4249	2.99E-06	4.84E-06	9.21E-06	5.97E-07	2.52E-06	2.02E-05
361.3	4248.4	2.12E-06	6.51E-06	9.45E-06	3.67E-07	1.68E-06	2.01E-05
361.2	4247.9	2.15E-06	9.18E-06	6.86E-06	1.92E-07	1.69E-06	2.01E-05
361.3	4248.7	2.12E-06	5.46E-06	1.03E-05	4.72E-07	1.62E-06	2.00E-05
360.804	4247.376	2.06E-06	1.35E-05	2.68E-06	6.49E-08	1.67E-06	2.00E-05
361.1	4247.6	2.66E-06	1.06E-05	4.53E-06	1.11E-07	2.02E-06	2.00E-05
361.1	4249.2	2.37E-06	4.60E-06	1.04E-05	8.03E-07	1.74E-06	1.99E-05
361.3	4248.3	2.02E-06	6.78E-06	9.05E-06	3.21E-07	1.61E-06	1.98E-05
360.9	4247.4	2.30E-06	1.26E-05	3.03E-06	7.03E-08	1.82E-06	1.98E-05
360.8	4249.5	2.47E-06	4.52E-06	9.88E-06	8.78E-07	1.85E-06	1.96E-05
361.3	4248.8	2.09E-06	5.08E-06	1.02E-05	5.06E-07	1.60E-06	1.94E-05
360.538	4249.462	2.86E-06	4.50E-06	8.77E-06	1.06E-06	2.18E-06	1.94E-05
360.7	4249.5	2.63E-06	4.46E-06	9.11E-06	9.96E-07	1.99E-06	1.92E-05
360.549	4247.407	1.52E-06	1.43E-05	1.91E-06	5.15E-08	1.31E-06	1.91E-05
361	4249.4	2.77E-06	4.31E-06	9.05E-06	8.34E-07	1.95E-06	1.89E-05
361.3	4248.9	2.09E-06	4.72E-06	9.90E-06	5.27E-07	1.60E-06	1.88E-05
361.1	4247.5	2.72E-06	1.00E-05	3.83E-06	9.29E-08	2.02E-06	1.87E-05
360.9	4249.5	2.55E-06	4.28E-06	9.10E-06	7.68E-07	1.86E-06	1.86E-05
360.7	4249.6	2.52E-06	4.18E-06	9.10E-06	7.93E-07	1.89E-06	1.85E-05
359.9	4249.1	2.78E-06	4.35E-06	8.44E-06	5.90E-07	2.30E-06	1.85E-05
359.797	4248.242	2.94E-06	6.14E-06	5.98E-06	2.02E-07	3.12E-06	1.84E-05
360.7	4249.4	2.69E-06	4.44E-06	8.32E-06	8.64E-07	2.04E-06	1.84E-05
361.2	4247.8	2.09E-06	8.59E-06	5.84E-06	1.60E-07	1.64E-06	1.83E-05
361.1	4249.3	2.52E-06	4.20E-06	9.05E-06	7.43E-07	1.80E-06	1.83E-05
360.191	4249.427	2.82E-06	4.16E-06	8.31E-06	7.93E-07	2.20E-06	1.83E-05
361.2	4249.1	2.21E-06	4.33E-06	9.45E-06	6.30E-07	1.63E-06	1.82E-05
361.3	4248	1.89E-06	7.69E-06	6.94E-06	2.04E-07	1.47E-06	1.82E-05
359.8	4248.9	2.89E-06	4.60E-06	7.66E-06	4.36E-07	2.56E-06	1.81E-05
361	4247.4	2.47E-06	1.05E-05	3.11E-06	7.43E-08	1.87E-06	1.80E-05
360.032	4249.325	2.88E-06	3.98E-06	8.08E-06	6.64E-07	2.34E-06	1.80E-05
360	4249.3	2.91E-06	3.96E-06	8.06E-06	6.39E-07	2.38E-06	1.79E-05
359.806	4248.302	2.67E-06	5.87E-06	6.36E-06	2.28E-07	2.81E-06	1.79E-05
361.3	4248.1	1.79E-06	7.12E-06	7.30E-06	2.37E-07	1.40E-06	1.79E-05
361.3	4247.9	1.98E-06	7.80E-06	6.13E-06	1.77E-07	1.54E-06	1.76E-05
361.3	4249	2.19E-06	4.29E-06	8.99E-06	5.14E-07	1.63E-06	1.76E-05
360.301	4247.402	1.22E-06	1.24E-05	2.59E-06	5.69E-08	1.16E-06	1.75E-05
361.2	4247.7	2.15E-06	8.43E-06	5.04E-06	1.33E-07	1.68E-06	1.74E-05
359.9	4249.2	2.78E-06	3.95E-06	7.79E-06	5.55E-07	2.30E-06	1.74E-05
360.256	4247.423	1.52E-06	1.10E-05	3.27E-06	5.73E-08	1.55E-06	1.73E-05
359.728	4248.146	2.60E-06	6.88E-06	4.87E-06	1.54E-07	2.80E-06	1.73E-05
361.4	4248.6	2.04E-06	5.19E-06	8.16E-06	3.51E-07	1.55E-06	1.73E-05
359.743	4248.646	2.77E-06	4.66E-06	6.62E-06	3.23E-07	2.89E-06	1.73E-05
360.6	4249.5	2.68E-06	4.09E-06	7.67E-06	7.60E-07	2.04E-06	1.72E-05
361.4	4248.5	2.01E-06	5.46E-06	7.89E-06	3.29E-07	1.56E-06	1.72E-05
359.749	4248.592	2.73E-06	4.72E-06	6.60E-06	3.10E-07	2.86E-06	1.72E-05
361.3	4248.2	1.81E-06	6.42E-06	7.25E-06	2.76E-07	1.44E-06	1.72E-05
360.8	4249.6	2.37E-06	4.01E-06	8.31E-06	7.06E-07	1.77E-06	1.72E-05
361.2	4247.6	2.29E-06	8.61E-06	4.38E-06	1.12E-07	1.76E-06	1.71E-05
361.4	4248.7	2.10E-06	4.83E-06	8.24E-06	3.67E-07	1.55E-06	1.71E-05
360.491	4249.545	2.72E-06	4.02E-06	7.41E-06	8.55E-07	2.08E-06	1.71E-05
361.4	4248.4	1.94E-06	5.68E-06	7.56E-06	3.03E-07	1.53E-06	1.70E-05
361.4	4248.3	1.94E-06	5.91E-06	7.35E-06	2.73E-07	1.54E-06	1.70E-05
361	4249.5	2.72E-06	3.89E-06	7.74E-06	6.80E-07	1.90E-06	1.69E-05
361.1	4249.4	2.59E-06	3.84E-06	7.76E-06	6.77E-07	1.81E-06	1.67E-05
361.1	4247.4	2.50E-06	9.00E-06	3.21E-06	7.86E-08	1.85E-06	1.66E-05
361.4	4248.8	2.11E-06	4.47E-06	8.09E-06	3.93E-07	1.55E-06	1.66E-05
360.9	4249.6	2.53E-06	3.83E-06	7.74E-06	6.16E-07	1.84E-06	1.66E-05
361.2	4249.2	2.16E-06	3.93E-06	8.30E-06	5.91E-07	1.57E-06	1.65E-05
361.2	4247.5	2.44E-06	8.41E-06	3.77E-06	9.50E-08	1.82E-06	1.65E-05
361.4	4248.2	1.80E-06	6.03E-06	7.03E-06	2.40E-07	1.43E-06	1.65E-05
359.754	4248.513	2.44E-06	4.80E-06	6.47E-06	2.87E-07	2.51E-06	1.65E-05

TASK 3
CUMULATIVE ADULT CANCER RISK PER LOCATION

RECEPTOR		ADULT CANCER RISK					CUMULATIVE ADULT CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
359.8	4249	2.52E-06	4.17E-06	7.16E-06	4.45E-07	2.10E-06	1.64E-05
360.725	4249.695	2.44E-06	3.72E-06	7.64E-06	6.24E-07	1.81E-06	1.62E-05
359.751	4248.443	2.37E-06	4.92E-06	6.20E-06	2.58E-07	2.43E-06	1.62E-05
361.4	4248.9	2.11E-06	4.16E-06	7.93E-06	4.10E-07	1.55E-06	1.62E-05
361.3	4249.1	2.34E-06	3.83E-06	7.82E-06	4.77E-07	1.68E-06	1.61E-05
360.189	4249.503	2.60E-06	3.74E-06	7.14E-06	6.78E-07	2.00E-06	1.61E-05
360.8	4247.3	1.84E-06	1.05E-05	2.25E-06	5.71E-08	1.48E-06	1.61E-05
361.3	4247.8	1.91E-06	7.17E-06	5.33E-06	1.52E-07	1.50E-06	1.61E-05
359.7	4248.2	2.53E-06	5.90E-06	4.81E-06	1.59E-07	2.66E-06	1.61E-05
360.7	4249.7	2.35E-06	3.71E-06	7.60E-06	6.31E-07	1.75E-06	1.60E-05
359.755	4248.318	2.35E-06	5.27E-06	5.76E-06	2.12E-07	2.45E-06	1.60E-05
361.4	4248.1	1.69E-06	6.27E-06	6.46E-06	2.10E-07	1.33E-06	1.60E-05
359.7	4248.7	2.58E-06	4.34E-06	6.07E-06	3.03E-07	2.63E-06	1.59E-05
359.7	4248.8	2.63E-06	4.28E-06	6.07E-06	3.21E-07	2.52E-06	1.58E-05
360.9	4247.3	2.01E-06	9.71E-06	2.39E-06	5.92E-08	1.57E-06	1.57E-05
360.481	4247.39	1.27E-06	1.15E-05	1.72E-06	4.57E-08	1.10E-06	1.57E-05
359.675	4248.099	2.27E-06	6.51E-06	4.25E-06	1.33E-07	2.43E-06	1.56E-05
361.4	4247.9	1.77E-06	6.75E-06	5.49E-06	1.60E-07	1.37E-06	1.56E-05
361.4	4248	1.61E-06	6.69E-06	5.79E-06	1.83E-07	1.25E-06	1.55E-05
361.4	4249	2.21E-06	3.83E-06	7.47E-06	4.05E-07	1.60E-06	1.55E-05
359.984	4249.373	2.56E-06	3.50E-06	6.83E-06	5.52E-07	2.07E-06	1.55E-05
359.9	4249.3	2.59E-06	3.51E-06	6.77E-06	5.02E-07	2.12E-06	1.55E-05
359.7	4248.6	2.42E-06	4.33E-06	5.95E-06	2.79E-07	2.49E-06	1.55E-05
360.6	4249.7	2.38E-06	3.59E-06	6.97E-06	6.71E-07	1.79E-06	1.54E-05
361.2	4249.3	2.20E-06	3.63E-06	7.41E-06	5.48E-07	1.57E-06	1.54E-05
360.6	4249.6	2.48E-06	3.67E-06	6.68E-06	6.32E-07	1.88E-06	1.54E-05
361	4249.6	2.68E-06	3.54E-06	6.73E-06	5.48E-07	1.86E-06	1.54E-05
361.1	4249.5	2.68E-06	3.51E-06	6.63E-06	5.80E-07	1.84E-06	1.52E-05
360.8	4249.7	2.27E-06	3.58E-06	7.04E-06	5.69E-07	1.69E-06	1.51E-05
361.2	4247.4	2.25E-06	7.85E-06	3.25E-06	8.11E-08	1.69E-06	1.51E-05
359.7	4248.9	2.53E-06	3.96E-06	5.99E-06	3.33E-07	2.30E-06	1.51E-05
361.5	4248.6	2.06E-06	4.62E-06	6.63E-06	2.81E-07	1.52E-06	1.51E-05
361.3	4247.7	1.97E-06	6.78E-06	4.67E-06	1.29E-07	1.53E-06	1.51E-05
359.8	4249.1	2.34E-06	3.75E-06	6.65E-06	4.43E-07	1.90E-06	1.51E-05
360.5	4249.6	2.56E-06	3.60E-06	6.34E-06	6.04E-07	1.96E-06	1.51E-05
361	4247.3	2.10E-06	8.73E-06	2.52E-06	6.27E-08	1.60E-06	1.50E-05
361.5	4248.5	1.98E-06	4.83E-06	6.42E-06	2.67E-07	1.51E-06	1.50E-05
361.5	4248.7	2.09E-06	4.32E-06	6.69E-06	2.92E-07	1.51E-06	1.49E-05
359.7	4248.5	2.21E-06	4.41E-06	5.73E-06	2.50E-07	2.20E-06	1.48E-05
360.9	4249.7	2.45E-06	3.45E-06	6.57E-06	5.04E-07	1.78E-06	1.48E-05
361.3	4247.6	2.09E-06	6.81E-06	4.06E-06	1.10E-07	1.60E-06	1.47E-05
360.186	4249.569	2.44E-06	3.41E-06	6.35E-06	5.91E-07	1.87E-06	1.47E-05
359.7	4248.4	2.20E-06	4.58E-06	5.41E-06	2.17E-07	2.23E-06	1.46E-05
361.1	4247.3	2.27E-06	7.88E-06	2.67E-06	6.68E-08	1.69E-06	1.46E-05
361.4	4249.1	2.37E-06	3.46E-06	6.68E-06	3.76E-07	1.67E-06	1.46E-05
361.5	4248.4	1.76E-06	4.99E-06	6.16E-06	2.49E-07	1.39E-06	1.45E-05
361.3	4249.2	2.23E-06	3.46E-06	6.81E-06	4.49E-07	1.58E-06	1.45E-05
360.444	4249.629	2.53E-06	3.48E-06	5.98E-06	5.97E-07	1.94E-06	1.45E-05
359.652	4248.019	2.17E-06	6.04E-06	3.81E-06	1.16E-07	2.38E-06	1.45E-05
361.5	4248.3	1.70E-06	5.11E-06	6.04E-06	2.32E-07	1.35E-06	1.44E-05
361.5	4248.8	2.04E-06	3.98E-06	6.55E-06	3.12E-07	1.47E-06	1.44E-05
360.6	4249.8	2.26E-06	3.32E-06	6.54E-06	5.41E-07	1.69E-06	1.44E-05
361.2	4249.4	2.24E-06	3.40E-06	6.62E-06	5.19E-07	1.57E-06	1.43E-05
361.5	4248.2	1.66E-06	5.26E-06	5.85E-06	2.09E-07	1.32E-06	1.43E-05
360.7	4249.8	2.25E-06	3.33E-06	6.53E-06	5.11E-07	1.67E-06	1.43E-05
360.2	4249.6	2.38E-06	3.34E-06	6.17E-06	5.69E-07	1.82E-06	1.43E-05
359.7	4248.3	1.99E-06	4.98E-06	5.09E-06	1.85E-07	2.01E-06	1.42E-05
361.5	4248.1	1.59E-06	5.57E-06	5.59E-06	1.85E-07	1.26E-06	1.42E-05
361.3	4247.5	2.05E-06	6.89E-06	3.54E-06	9.42E-08	1.56E-06	1.41E-05
361.4	4247.8	1.71E-06	6.10E-06	4.86E-06	1.40E-07	1.32E-06	1.41E-05
359.8	4249.2	2.25E-06	3.43E-06	6.21E-06	4.25E-07	1.81E-06	1.41E-05
359.939	4249.397	2.36E-06	3.21E-06	6.10E-06	4.84E-07	1.90E-06	1.40E-05
361.5	4248.9	2.05E-06	3.70E-06	6.44E-06	3.24E-07	1.47E-06	1.40E-05
359.627	4248.675	2.31E-06	3.87E-06	5.20E-06	2.50E-07	2.34E-06	1.40E-05
361.5	4248	1.50E-06	5.93E-06	5.14E-06	1.65E-07	1.17E-06	1.39E-05
360.771	4247.244	1.64E-06	8.86E-06	1.98E-06	5.21E-08	1.32E-06	1.39E-05
361	4249.7	2.50E-06	3.25E-06	5.88E-06	4.49E-07	1.74E-06	1.38E-05
359.6	4248.1	2.14E-06	5.60E-06	3.72E-06	1.18E-07	2.18E-06	1.38E-05
359.6	4248.2	2.19E-06	5.27E-06	3.95E-06	1.34E-07	2.20E-06	1.37E-05
359.7	4249	2.21E-06	3.62E-06	5.66E-06	3.39E-07	1.87E-06	1.37E-05
361.1	4249.6	2.51E-06	3.22E-06	5.72E-06	4.87E-07	1.72E-06	1.37E-05
361.5	4249	2.16E-06	3.43E-06	6.21E-06	3.25E-07	1.53E-06	1.37E-05
361.2	4247.3	2.09E-06	7.12E-06	2.78E-06	6.99E-08	1.57E-06	1.36E-05
361.5	4247.9	1.52E-06	5.93E-06	4.83E-06	1.46E-07	1.18E-06	1.36E-05
361.2	4249.5	2.41E-06	3.16E-06	5.78E-06	4.82E-07	1.65E-06	1.35E-05
359.629	4247.939	1.96E-06	5.70E-06	3.49E-06	1.01E-07	2.23E-06	1.35E-05
360.8	4249.8	2.14E-06	3.24E-06	6.04E-06	4.66E-07	1.58E-06	1.35E-05
361.3	4247.4	1.92E-06	6.81E-06	3.16E-06	8.19E-08	1.47E-06	1.34E-05
361.6	4248.6	2.07E-06	4.15E-06	5.47E-06	2.28E-07	1.49E-06	1.34E-05

TASK 3
CUMULATIVE ADULT CANCER RISK PER LOCATION

RECEPTOR		ADULT CANCER RISK					CUMULATIVE ADULT CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.5	4249.7	2.38E-06	3.22E-06	5.47E-06	4.89E-07	1.81E-06	1.34E-05
359.9	4249.4	2.26E-06	3.07E-06	5.75E-06	4.43E-07	1.83E-06	1.34E-05
360.9	4249.8	2.36E-06	3.15E-06	5.70E-06	4.17E-07	1.69E-06	1.33E-05
359.628	4248.588	2.06E-06	3.87E-06	5.11E-06	2.34E-07	2.03E-06	1.33E-05
359.8	4249.3	2.27E-06	3.12E-06	5.64E-06	3.95E-07	1.85E-06	1.33E-05
360.178	4249.644	2.30E-06	3.10E-06	5.60E-06	5.02E-07	1.76E-06	1.33E-05
361.6	4248.5	1.97E-06	4.30E-06	5.29E-06	2.18E-07	1.46E-06	1.32E-05
361	4247.2	2.09E-06	7.35E-06	2.10E-06	5.35E-08	1.56E-06	1.32E-05
359.6	4248	1.98E-06	5.47E-06	3.46E-06	1.05E-07	2.14E-06	1.31E-05
360.397	4249.713	2.35E-06	3.16E-06	5.28E-06	5.35E-07	1.80E-06	1.31E-05
361.3	4249.3	2.00E-06	3.20E-06	6.06E-06	4.19E-07	1.42E-06	1.31E-05
361.1	4247.2	2.26E-06	6.89E-06	2.24E-06	5.73E-08	1.65E-06	1.31E-05
360.9	4247.2	1.87E-06	7.72E-06	1.99E-06	5.08E-08	1.43E-06	1.31E-05
361.4	4247.7	1.81E-06	5.49E-06	4.20E-06	1.21E-07	1.39E-06	1.30E-05
361.4	4249.2	2.14E-06	3.13E-06	5.85E-06	3.53E-07	1.51E-06	1.30E-05
361.6	4248.7	1.93E-06	3.91E-06	5.52E-06	2.35E-07	1.39E-06	1.30E-05
359.7	4249.1	2.11E-06	3.35E-06	5.44E-06	3.38E-07	1.73E-06	1.30E-05
359.628	4248.5	2.00E-06	3.90E-06	4.92E-06	2.14E-07	1.93E-06	1.30E-05
359.606	4247.882	1.98E-06	5.25E-06	3.31E-06	9.06E-08	2.30E-06	1.29E-05
361.5	4249.1	2.20E-06	3.14E-06	5.72E-06	3.06E-07	1.55E-06	1.29E-05
359.6	4248.8	2.14E-06	3.55E-06	4.87E-06	2.51E-07	2.09E-06	1.29E-05
361.6	4248.4	1.74E-06	4.37E-06	5.07E-06	2.06E-07	1.35E-06	1.27E-05
360.7	4249.9	2.10E-06	3.01E-06	5.63E-06	4.17E-07	1.55E-06	1.27E-05
361.6	4248.1	1.55E-06	4.97E-06	4.80E-06	1.64E-07	1.23E-06	1.27E-05
359.626	4248.301	1.75E-06	4.65E-06	4.39E-06	1.63E-07	1.74E-06	1.27E-05
361.6	4248.2	1.63E-06	4.67E-06	4.89E-06	1.82E-07	1.30E-06	1.27E-05
361.6	4248.3	1.70E-06	4.45E-06	4.99E-06	1.96E-07	1.33E-06	1.27E-05
359.555	4248.218	2.02E-06	4.84E-06	3.67E-06	1.28E-07	1.97E-06	1.26E-05
361	4249.8	2.39E-06	3.00E-06	5.21E-06	3.72E-07	1.67E-06	1.26E-05
361.6	4248	1.44E-06	5.29E-06	4.62E-06	1.47E-07	1.13E-06	1.26E-05
360.8	4247.2	1.58E-06	7.86E-06	1.87E-06	4.92E-08	1.26E-06	1.26E-05
360.2	4249.7	2.19E-06	2.97E-06	5.30E-06	4.65E-07	1.66E-06	1.26E-05
361.3	4247.3	1.85E-06	6.42E-06	2.81E-06	7.16E-08	1.41E-06	1.26E-05
359.629	4248.371	1.77E-06	4.25E-06	4.58E-06	1.81E-07	1.76E-06	1.25E-05
360.6	4249.9	2.11E-06	2.95E-06	5.43E-06	4.36E-07	1.57E-06	1.25E-05
361.2	4247.2	2.06E-06	6.41E-06	2.37E-06	6.07E-08	1.52E-06	1.24E-05
361.5	4247.8	1.51E-06	5.30E-06	4.31E-06	1.29E-07	1.16E-06	1.24E-05
361.3	4249.4	2.06E-06	3.00E-06	5.50E-06	3.94E-07	1.43E-06	1.24E-05
361.6	4248.8	1.80E-06	3.63E-06	5.39E-06	2.51E-07	1.29E-06	1.24E-05
361.1	4249.7	2.24E-06	2.99E-06	5.08E-06	4.07E-07	1.56E-06	1.23E-05
361.4	4247.6	1.79E-06	5.37E-06	3.63E-06	1.04E-07	1.37E-06	1.23E-05
359.888	4249.439	2.10E-06	2.87E-06	5.21E-06	4.09E-07	1.68E-06	1.23E-05
359.524	4248.149	1.98E-06	4.86E-06	3.37E-06	1.11E-07	1.94E-06	1.23E-05
359.6	4248.9	2.02E-06	3.37E-06	4.75E-06	2.58E-07	1.83E-06	1.22E-05
360.254	4247.334	1.25E-06	6.72E-06	2.91E-06	5.00E-08	1.28E-06	1.22E-05
360.8	4249.9	2.05E-06	2.95E-06	5.26E-06	3.84E-07	1.50E-06	1.21E-05
361.4	4247.4	1.81E-06	5.86E-06	2.95E-06	8.06E-08	1.37E-06	1.21E-05
360.178	4249.719	2.15E-06	2.85E-06	5.00E-06	4.34E-07	1.63E-06	1.21E-05
360.5	4249.8	2.21E-06	2.92E-06	4.83E-06	4.22E-07	1.68E-06	1.21E-05
361.6	4247.9	1.38E-06	5.24E-06	4.23E-06	1.33E-07	1.07E-06	1.21E-05
360.9	4249.9	2.26E-06	2.89E-06	4.95E-06	3.47E-07	1.61E-06	1.21E-05
361.6	4248.9	1.84E-06	3.36E-06	5.28E-06	2.61E-07	1.31E-06	1.20E-05
361.3	4249.5	2.24E-06	2.84E-06	5.00E-06	3.82E-07	1.52E-06	1.20E-05
361.2	4249.6	2.13E-06	2.94E-06	5.01E-06	4.24E-07	1.48E-06	1.20E-05
361.4	4247.5	1.72E-06	5.59E-06	3.21E-06	9.08E-08	1.32E-06	1.19E-05
361.4	4247.3	1.91E-06	5.77E-06	2.73E-06	7.18E-08	1.42E-06	1.19E-05
359.8	4249.4	2.07E-06	2.77E-06	4.95E-06	3.57E-07	1.67E-06	1.18E-05
361.6	4249	1.92E-06	3.12E-06	5.16E-06	2.65E-07	1.34E-06	1.18E-05
361.7	4248.6	1.93E-06	3.71E-06	4.56E-06	1.87E-07	1.39E-06	1.18E-05
361.5	4249.2	2.04E-06	2.86E-06	5.12E-06	2.85E-07	1.44E-06	1.18E-05
360.277	4249.8	2.07E-06	2.81E-06	4.89E-06	4.30E-07	1.56E-06	1.17E-05
361.1	4247.1	2.09E-06	6.11E-06	1.93E-06	4.95E-08	1.52E-06	1.17E-05
361	4247.1	2.03E-06	6.31E-06	1.82E-06	4.63E-08	1.49E-06	1.17E-05
361.7	4248.5	1.91E-06	3.77E-06	4.41E-06	1.81E-07	1.40E-06	1.17E-05
361.3	4247.2	1.81E-06	5.93E-06	2.46E-06	6.29E-08	1.36E-06	1.16E-05
361.4	4249.3	1.90E-06	2.87E-06	5.13E-06	3.31E-07	1.35E-06	1.16E-05
359.6	4249	1.93E-06	3.16E-06	4.55E-06	2.63E-07	1.64E-06	1.15E-05
360.35	4249.797	2.14E-06	2.80E-06	4.51E-06	4.37E-07	1.63E-06	1.15E-05
359.7	4249.2	1.91E-06	2.94E-06	4.78E-06	3.27E-07	1.53E-06	1.15E-05
361	4249.9	2.23E-06	2.77E-06	4.59E-06	3.13E-07	1.57E-06	1.15E-05
360.6	4250	2.00E-06	2.71E-06	4.91E-06	3.60E-07	1.48E-06	1.15E-05
361.7	4248.7	1.80E-06	3.56E-06	4.61E-06	1.92E-07	1.28E-06	1.14E-05
360.7	4250	1.98E-06	2.75E-06	4.89E-06	3.46E-07	1.45E-06	1.14E-05
361.5	4247.7	1.60E-06	4.63E-06	3.83E-06	1.13E-07	1.22E-06	1.14E-05
360.5	4249.9	2.08E-06	2.74E-06	4.58E-06	4.08E-07	1.57E-06	1.14E-05
361.7	4248.4	1.80E-06	3.81E-06	4.24E-06	1.72E-07	1.35E-06	1.14E-05
360.4	4249.8	2.17E-06	2.78E-06	4.40E-06	3.72E-07	1.65E-06	1.14E-05
360.5	4247.3	1.13E-06	7.74E-06	1.50E-06	4.09E-08	9.48E-07	1.14E-05
361.7	4248.2	1.59E-06	4.21E-06	4.15E-06	1.58E-07	1.25E-06	1.14E-05

TASK 3
CUMULATIVE ADULT CANCER RISK PER LOCATION

RECEPTOR		ADULT CANCER RISK					CUMULATIVE ADULT CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361.7	4248	1.36E-06	4.75E-06	4.04E-06	1.32E-07	1.06E-06	1.13E-05
361.7	4248.3	1.73E-06	3.95E-06	4.18E-06	1.65E-07	1.32E-06	1.13E-05
361.7	4248.1	1.47E-06	4.45E-06	4.11E-06	1.46E-07	1.16E-06	1.13E-05
361.4	4247.2	1.88E-06	5.41E-06	2.48E-06	6.40E-08	1.39E-06	1.12E-05
359.528	4247.817	1.86E-06	4.46E-06	2.74E-06	7.71E-08	2.07E-06	1.12E-05
359.7	4249.3	1.91E-06	2.75E-06	4.70E-06	3.12E-07	1.54E-06	1.12E-05
361.5	4247.3	2.00E-06	5.13E-06	2.55E-06	7.04E-08	1.45E-06	1.12E-05
359.494	4248.081	1.76E-06	4.49E-06	3.10E-06	9.72E-08	1.76E-06	1.12E-05
361.1	4249.8	2.06E-06	2.78E-06	4.57E-06	3.38E-07	1.45E-06	1.12E-05
360.771	4247.141	1.42E-06	6.84E-06	1.72E-06	4.53E-08	1.14E-06	1.12E-05
361.6	4249.1	1.86E-06	2.87E-06	4.85E-06	2.53E-07	1.31E-06	1.11E-05
360.2	4249.8	2.00E-06	2.65E-06	4.61E-06	3.84E-07	1.50E-06	1.11E-05
361.2	4247.1	1.86E-06	5.76E-06	2.05E-06	5.30E-08	1.38E-06	1.11E-05
361.6	4247.8	1.37E-06	4.68E-06	3.87E-06	1.20E-07	1.06E-06	1.11E-05
360.9	4247.1	1.68E-06	6.35E-06	1.73E-06	4.42E-08	1.28E-06	1.11E-05
359.501	4248.764	1.91E-06	3.12E-06	4.01E-06	1.98E-07	1.84E-06	1.11E-05
360.5	4250	1.99E-06	2.61E-06	4.61E-06	3.47E-07	1.49E-06	1.10E-05
361.3	4249.6	2.08E-06	2.68E-06	4.48E-06	3.58E-07	1.43E-06	1.10E-05
359.5	4248.8	1.92E-06	3.08E-06	3.98E-06	2.00E-07	1.85E-06	1.10E-05
361.5	4247.4	1.84E-06	4.99E-06	2.71E-06	7.77E-08	1.36E-06	1.10E-05
359.6	4249.1	1.85E-06	2.94E-06	4.39E-06	2.63E-07	1.52E-06	1.10E-05
360.8	4250	1.93E-06	2.71E-06	4.57E-06	3.22E-07	1.41E-06	1.09E-05
360.516	4247.275	1.14E-06	7.31E-06	1.50E-06	4.23E-08	9.50E-07	1.09E-05
359.5	4248	1.64E-06	4.50E-06	2.98E-06	9.10E-08	1.72E-06	1.09E-05
361.7	4247.9	1.30E-06	4.70E-06	3.78E-06	1.20E-07	1.00E-06	1.09E-05
361.2	4249.7	1.97E-06	2.74E-06	4.42E-06	3.59E-07	1.38E-06	1.09E-05
361.5	4247.2	2.00E-06	4.95E-06	2.40E-06	6.40E-08	1.44E-06	1.08E-05
361.7	4248.8	1.60E-06	3.35E-06	4.51E-06	2.05E-07	1.15E-06	1.08E-05
360.9	4250	2.04E-06	2.66E-06	4.33E-06	2.94E-07	1.47E-06	1.08E-05
361.4	4249.4	1.88E-06	2.67E-06	4.59E-06	3.09E-07	1.32E-06	1.08E-05
361.6	4249.2	1.99E-06	2.64E-06	4.48E-06	2.34E-07	1.38E-06	1.07E-05
359.849	4249.506	1.89E-06	2.53E-06	4.45E-06	3.45E-07	1.51E-06	1.07E-05
360.186	4249.823	1.96E-06	2.55E-06	4.37E-06	3.58E-07	1.47E-06	1.07E-05
359.5	4247.9	1.73E-06	4.27E-06	2.80E-06	8.34E-08	1.83E-06	1.07E-05
361.5	4249.3	1.92E-06	2.61E-06	4.52E-06	2.66E-07	1.35E-06	1.07E-05
361.3	4247.1	1.75E-06	5.39E-06	2.15E-06	5.56E-08	1.31E-06	1.07E-05
359.5	4248.9	1.84E-06	2.95E-06	3.89E-06	2.05E-07	1.70E-06	1.06E-05
359.5	4247.8	1.80E-06	4.17E-06	2.56E-06	7.37E-08	1.97E-06	1.06E-05
361.5	4247.6	1.54E-06	4.40E-06	3.30E-06	9.88E-08	1.16E-06	1.05E-05
360.8	4247.1	1.41E-06	6.28E-06	1.65E-06	4.33E-08	1.11E-06	1.05E-05
361.5	4247.5	1.61E-06	4.61E-06	2.93E-06	8.68E-08	1.21E-06	1.05E-05
360.426	4247.312	9.88E-07	7.08E-06	1.50E-06	4.00E-08	8.49E-07	1.05E-05
361.7	4248.9	1.59E-06	3.12E-06	4.39E-06	2.13E-07	1.14E-06	1.04E-05
361.4	4249.5	1.98E-06	2.52E-06	4.23E-06	2.94E-07	1.36E-06	1.04E-05
361	4247	1.90E-06	5.45E-06	1.61E-06	4.07E-08	1.38E-06	1.04E-05
360.7	4250.1	1.86E-06	2.52E-06	4.33E-06	2.93E-07	1.36E-06	1.04E-05
361.7	4247.8	1.35E-06	4.23E-06	3.60E-06	1.10E-07	1.04E-06	1.03E-05
361.4	4247.1	1.73E-06	5.03E-06	2.22E-06	5.72E-08	1.28E-06	1.03E-05
361.1	4247	1.84E-06	5.38E-06	1.70E-06	4.34E-08	1.34E-06	1.03E-05
359.7	4249.4	1.84E-06	2.48E-06	4.21E-06	2.88E-07	1.48E-06	1.03E-05
361.1	4249.9	1.91E-06	2.60E-06	4.13E-06	2.86E-07	1.35E-06	1.03E-05
361	4250	1.93E-06	2.57E-06	4.10E-06	2.67E-07	1.39E-06	1.03E-05
361.8	4248.2	1.57E-06	3.81E-06	3.53E-06	1.36E-07	1.21E-06	1.03E-05
360.4	4249.9	2.00E-06	2.52E-06	3.91E-06	3.08E-07	1.52E-06	1.03E-05
361.8	4248	1.31E-06	4.27E-06	3.51E-06	1.20E-07	1.02E-06	1.02E-05
361.8	4248.3	1.70E-06	3.56E-06	3.54E-06	1.40E-07	1.27E-06	1.02E-05
361.8	4248.5	1.73E-06	3.32E-06	3.73E-06	1.51E-07	1.27E-06	1.02E-05
361.8	4248.7	1.68E-06	3.22E-06	3.92E-06	1.59E-07	1.20E-06	1.02E-05
361.6	4247.3	1.84E-06	4.55E-06	2.38E-06	6.81E-08	1.34E-06	1.02E-05
361.8	4248.1	1.41E-06	4.00E-06	3.52E-06	1.30E-07	1.11E-06	1.02E-05
361.8	4248.6	1.66E-06	3.29E-06	3.86E-06	1.55E-07	1.20E-06	1.02E-05
361.7	4249	1.58E-06	2.90E-06	4.35E-06	2.17E-07	1.12E-06	1.02E-05
361.8	4248.4	1.73E-06	3.38E-06	3.61E-06	1.44E-07	1.28E-06	1.01E-05
359.8	4249.5	1.78E-06	2.42E-06	4.20E-06	3.16E-07	1.42E-06	1.01E-05
361.5	4247.1	1.85E-06	4.67E-06	2.21E-06	5.80E-08	1.34E-06	1.01E-05
361.2	4249.8	1.95E-06	2.57E-06	3.95E-06	3.04E-07	1.35E-06	1.01E-05
359.459	4247.985	1.56E-06	4.11E-06	2.77E-06	8.48E-08	1.60E-06	1.01E-05
361.3	4249.7	1.97E-06	2.51E-06	3.96E-06	3.17E-07	1.35E-06	1.01E-05
359.6	4249.2	1.71E-06	2.67E-06	4.08E-06	2.58E-07	1.37E-06	1.01E-05
361.3	4247	1.84E-06	4.94E-06	1.89E-06	4.94E-08	1.34E-06	1.01E-05
361.4	4249.6	2.06E-06	2.40E-06	3.92E-06	2.87E-07	1.39E-06	1.01E-05
361.6	4247.7	1.38E-06	4.05E-06	3.49E-06	1.07E-07	1.05E-06	1.01E-05
361.2	4247	1.71E-06	5.19E-06	1.80E-06	4.66E-08	1.27E-06	1.00E-05
361.8	4247.9	1.25E-06	4.23E-06	3.43E-06	1.08E-07	9.70E-07	9.99E-06
359.495	4247.725	1.69E-06	3.85E-06	2.42E-06	6.51E-08	1.93E-06	9.97E-06
359.836	4249.56	1.80E-06	2.35E-06	4.07E-06	3.11E-07	1.43E-06	9.96E-06
361.6	4247.2	1.81E-06	4.52E-06	2.26E-06	6.28E-08	1.32E-06	9.96E-06
361.6	4249.3	1.95E-06	2.40E-06	4.03E-06	2.16E-07	1.35E-06	9.95E-06
360.8	4250.1	1.81E-06	2.49E-06	4.03E-06	2.74E-07	1.32E-06	9.93E-06

TASK 3
CUMULATIVE CHILD CANCER RISK PER LOCATION

RECEPTOR		CHILD CANCER RISK					CUMULATIVE CHILD CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.302	4247.704	1.56E-06	4.13E-04	3.41E-06	7.06E-08	1.59E-06	4.20E-04
360.623	4247.86	2.34E-06	8.20E-05	1.14E-05	8.41E-08	2.28E-06	9.82E-05
360.578	4247.772	2.22E-06	8.39E-05	8.07E-06	6.63E-08	2.18E-06	9.64E-05
360.6	4247.8	2.27E-06	8.15E-05	9.05E-06	6.95E-08	2.20E-06	9.51E-05
360.263	4247.743	1.96E-06	8.73E-05	3.56E-06	7.45E-08	2.11E-06	9.50E-05
360.239	4248.398	2.44E-05	1.26E-05	1.65E-05	5.12E-07	3.27E-05	8.67E-05
360.23	4248.121	1.95E-05	1.85E-05	7.54E-06	1.95E-07	2.60E-05	7.17E-05
360.4	4248.912	3.49E-06	1.19E-05	4.03E-05	5.20E-06	3.05E-06	6.40E-05
360.5	4249	3.07E-06	1.14E-05	3.89E-05	7.54E-06	2.50E-06	6.34E-05
360.6	4249	2.61E-06	1.19E-05	3.89E-05	7.90E-06	2.08E-06	6.33E-05
360.6	4247.7	2.01E-06	4.97E-05	4.73E-06	5.66E-08	1.89E-06	5.84E-05
360.289	4248.002	6.49E-06	3.77E-05	6.00E-06	1.46E-07	8.03E-06	5.83E-05
360.1	4248.2	1.75E-05	9.33E-06	7.07E-06	2.15E-07	2.36E-05	5.78E-05
360.2	4248.1	1.44E-05	1.64E-05	7.01E-06	1.78E-07	1.90E-05	5.70E-05
360.245	4247.842	3.00E-06	4.52E-05	4.36E-06	9.22E-08	3.37E-06	5.60E-05
360.341	4248.904	3.69E-06	1.05E-05	3.17E-05	3.63E-06	3.31E-06	5.28E-05
360.527	4247.67	1.79E-06	4.55E-05	2.98E-06	5.76E-08	1.72E-06	5.20E-05
360.705	4247.78	2.23E-06	4.00E-05	6.09E-06	8.48E-08	1.98E-06	5.04E-05
360.668	4247.947	2.46E-06	3.72E-05	6.98E-06	1.12E-07	2.39E-06	4.92E-05
360.4	4249	3.46E-06	9.25E-06	2.82E-05	4.41E-06	2.85E-06	4.81E-05
360.7	4249	2.24E-06	1.00E-05	2.94E-05	4.69E-06	1.74E-06	4.81E-05
360.656	4247.671	2.07E-06	3.85E-05	4.56E-06	7.54E-08	1.86E-06	4.71E-05
360.261	4247.658	1.60E-06	4.01E-05	3.22E-06	6.22E-08	1.69E-06	4.67E-05
360.728	4248.992	2.17E-06	9.50E-06	2.73E-05	4.12E-06	1.67E-06	4.48E-05
360.169	4248.084	1.02E-05	1.43E-05	6.47E-06	1.64E-07	1.31E-05	4.43E-05
360.196	4248.694	6.37E-06	9.15E-06	1.98E-05	1.16E-06	6.97E-06	4.35E-05
360.7	4247.9	2.28E-06	3.29E-05	6.04E-06	9.17E-08	2.13E-06	4.34E-05
360.578	4247.646	1.78E-06	3.65E-05	3.04E-06	5.08E-08	1.66E-06	4.31E-05
360.5	4249.1	2.89E-06	8.17E-06	2.52E-05	4.47E-06	2.27E-06	4.30E-05
360.6	4249.1	2.74E-06	8.29E-06	2.52E-05	4.54E-06	2.14E-06	4.29E-05
360.198	4248.033	7.99E-06	1.84E-05	6.01E-06	1.45E-07	1.00E-05	4.26E-05
360.117	4248.126	1.08E-05	1.07E-05	6.53E-06	1.77E-07	1.41E-05	4.24E-05
360.226	4247.933	4.13E-06	2.81E-05	5.03E-06	1.14E-07	4.85E-06	4.22E-05
360.212	4247.985	5.51E-06	2.26E-05	5.51E-06	1.28E-07	6.66E-06	4.04E-05
360.052	4248.165	1.09E-05	8.07E-06	6.19E-06	1.83E-07	1.44E-05	3.98E-05
360.794	4248.896	2.09E-06	9.11E-06	2.31E-05	3.30E-06	1.61E-06	3.93E-05
360.253	4248.902	3.84E-06	8.00E-06	2.16E-05	2.03E-06	3.56E-06	3.90E-05
360.188	4248.787	4.82E-06	7.91E-06	1.87E-05	1.29E-06	4.96E-06	3.77E-05
360.3	4249	3.57E-06	7.42E-06	2.00E-05	2.48E-06	3.04E-06	3.65E-05
360.7	4248	2.38E-06	2.49E-05	6.45E-06	1.25E-07	2.24E-06	3.61E-05
360.7	4249.1	2.50E-06	7.38E-06	2.11E-05	3.12E-06	1.92E-06	3.60E-05
360.4	4249.1	2.97E-06	7.05E-06	1.95E-05	2.98E-06	2.37E-06	3.49E-05
360.186	4248.85	4.22E-06	7.22E-06	1.77E-05	1.34E-06	4.16E-06	3.47E-05
360.843	4248.678	2.15E-06	8.90E-06	1.94E-05	1.84E-06	1.72E-06	3.41E-05
360.2	4248.9	3.93E-06	6.96E-06	1.76E-05	1.47E-06	3.72E-06	3.37E-05
360.498	4249.157	2.64E-06	6.67E-06	1.90E-05	3.16E-06	2.06E-06	3.35E-05
360.8	4247.8	2.21E-06	2.32E-05	5.63E-06	1.13E-07	1.88E-06	3.30E-05
360.6	4247.6	1.67E-06	2.71E-05	2.48E-06	4.69E-08	1.52E-06	3.28E-05
360.713	4248.035	2.30E-06	2.09E-05	6.73E-06	1.35E-07	2.12E-06	3.22E-05
360.827	4248.784	2.12E-06	8.41E-06	1.70E-05	2.53E-06	1.67E-06	3.17E-05
360.592	4249.185	2.46E-06	6.37E-06	1.82E-05	2.73E-06	1.89E-06	3.16E-05
360.187	4248.927	3.83E-06	6.47E-06	1.61E-05	1.35E-06	3.57E-06	3.13E-05
360.838	4248.485	2.12E-06	9.00E-06	1.68E-05	8.77E-07	1.71E-06	3.05E-05
360.305	4247.6	1.27E-06	2.48E-05	2.69E-06	5.70E-08	1.24E-06	3.01E-05
360.03	4248.262	6.63E-06	7.10E-06	6.76E-06	2.26E-07	8.52E-06	2.92E-05
360.8	4247.9	2.20E-06	1.90E-05	5.72E-06	1.44E-07	1.94E-06	2.90E-05
360.2	4249	3.53E-06	5.95E-06	1.47E-05	1.38E-06	3.11E-06	2.87E-05
360.3	4249.1	2.98E-06	5.93E-06	1.49E-05	1.84E-06	2.44E-06	2.81E-05
360.403	4249.137	2.79E-06	5.94E-06	1.44E-05	2.52E-06	2.21E-06	2.78E-05
360.546	4247.561	1.43E-06	2.29E-05	1.92E-06	4.32E-08	1.31E-06	2.76E-05
360.607	4247.562	1.59E-06	2.23E-05	2.18E-06	5.04E-08	1.42E-06	2.76E-05
361	4248.7	1.83E-06	6.43E-06	1.63E-05	8.88E-07	1.42E-06	2.69E-05
361	4248.8	1.97E-06	6.02E-06	1.59E-05	9.83E-07	1.54E-06	2.64E-05
360.858	4248.572	2.05E-06	7.41E-06	1.41E-05	8.99E-07	1.66E-06	2.61E-05
360.826	4248.376	2.08E-06	8.41E-06	1.29E-05	3.67E-07	1.70E-06	2.54E-05
360.334	4249.128	2.85E-06	5.54E-06	1.27E-05	1.93E-06	2.30E-06	2.53E-05
360.775	4248.017	2.08E-06	1.52E-05	5.96E-06	1.29E-07	1.84E-06	2.52E-05
360.171	4249.034	3.26E-06	5.29E-06	1.26E-05	1.15E-06	2.85E-06	2.52E-05
361	4248.6	1.78E-06	6.49E-06	1.48E-05	7.47E-07	1.38E-06	2.52E-05
360.8	4249	1.97E-06	6.38E-06	1.26E-05	2.65E-06	1.49E-06	2.51E-05
360.9	4247.9	2.01E-06	1.47E-05	6.47E-06	1.49E-07	1.69E-06	2.50E-05
359.992	4248.193	5.39E-06	6.54E-06	5.74E-06	1.81E-07	6.85E-06	2.47E-05
360.9	4248	1.96E-06	1.27E-05	7.95E-06	1.94E-07	1.61E-06	2.44E-05
361	4248.9	2.02E-06	5.40E-06	1.38E-05	1.00E-06	1.56E-06	2.38E-05
360.9	4247.8	2.01E-06	1.47E-05	5.20E-06	1.16E-07	1.67E-06	2.37E-05
360.269	4249.127	2.84E-06	5.15E-06	1.18E-05	1.45E-06	2.33E-06	2.36E-05
360.678	4249.21	2.19E-06	5.17E-06	1.25E-05	1.93E-06	1.67E-06	2.35E-05
360.8	4248	2.02E-06	1.37E-05	5.58E-06	1.25E-07	1.77E-06	2.32E-05
360.2	4249.1	2.91E-06	4.97E-06	1.16E-05	1.16E-06	2.46E-06	2.31E-05

TASK 3
CUMULATIVE CHILD CANCER RISK PER LOCATION

RECEPTOR		CHILD CANCER RISK					CUMULATIVE CHILD CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.9	4248.1	1.86E-06	1.04E-05	8.99E-06	2.53E-07	1.49E-06	2.30E-05
360.9	4247.7	2.03E-06	1.47E-05	4.37E-06	9.15E-08	1.64E-06	2.29E-05
360.1	4249	3.22E-06	4.82E-06	1.11E-05	8.47E-07	2.88E-06	2.28E-05
360.8	4248.102	1.95E-06	1.18E-05	7.19E-06	1.65E-07	1.64E-06	2.28E-05
360.825	4248.188	1.98E-06	9.75E-06	8.69E-06	2.11E-07	1.65E-06	2.23E-05
360.9	4249.1	1.82E-06	5.05E-06	1.26E-05	1.31E-06	1.35E-06	2.21E-05
360.049	4248.941	3.26E-06	4.69E-06	1.03E-05	6.91E-07	2.97E-06	2.19E-05
360.85	4248.273	2.01E-06	8.22E-06	9.67E-06	2.62E-07	1.67E-06	2.18E-05
360.233	4249.168	2.71E-06	4.68E-06	1.09E-05	1.11E-06	2.22E-06	2.16E-05
361	4248.2	1.78E-06	8.14E-06	9.82E-06	2.97E-07	1.41E-06	2.14E-05
361.1	4248.7	1.97E-06	5.14E-06	1.19E-05	5.97E-07	1.52E-06	2.11E-05
361.1	4248.6	1.91E-06	5.47E-06	1.17E-05	5.36E-07	1.49E-06	2.11E-05
361	4248.5	1.76E-06	6.20E-06	1.12E-05	5.88E-07	1.37E-06	2.11E-05
360.875	4248.359	1.95E-06	7.09E-06	1.00E-05	3.15E-07	1.57E-06	2.09E-05
360.9	4248.5	1.90E-06	6.29E-06	1.07E-05	4.80E-07	1.50E-06	2.09E-05
361	4249	1.79E-06	4.77E-06	1.20E-05	9.55E-07	1.35E-06	2.08E-05
361.1	4248.8	2.01E-06	4.84E-06	1.17E-05	6.47E-07	1.53E-06	2.07E-05
360.578	4247.5	1.34E-06	1.65E-05	1.68E-06	4.17E-08	1.19E-06	2.07E-05
361.1	4248.5	1.75E-06	5.78E-06	1.12E-05	4.61E-07	1.37E-06	2.06E-05
361	4248.1	1.77E-06	8.66E-06	8.49E-06	2.35E-07	1.39E-06	2.05E-05
360.9	4247.6	2.01E-06	1.33E-05	3.49E-06	7.31E-08	1.59E-06	2.05E-05
360.171	4249.149	2.70E-06	4.36E-06	9.88E-06	9.33E-07	2.26E-06	2.01E-05
360.9	4248.6	1.91E-06	5.81E-06	1.01E-05	5.93E-07	1.52E-06	2.00E-05
361	4248	1.83E-06	9.26E-06	7.22E-06	1.84E-07	1.46E-06	2.00E-05
360.9	4248.7	1.91E-06	5.48E-06	1.02E-05	7.18E-07	1.51E-06	1.99E-05
360.9	4248.4	1.87E-06	6.39E-06	9.51E-06	3.27E-07	1.49E-06	1.96E-05
360.9	4249.2	1.90E-06	4.39E-06	1.08E-05	1.08E-06	1.42E-06	1.95E-05
360.632	4249.294	2.17E-06	4.32E-06	9.75E-06	1.45E-06	1.66E-06	1.94E-05
359.934	4248.308	3.53E-06	5.49E-06	6.02E-06	2.09E-07	4.09E-06	1.93E-05
361	4247.9	1.78E-06	1.01E-05	5.80E-06	1.46E-07	1.44E-06	1.92E-05
361.1	4248.9	1.96E-06	4.44E-06	1.07E-05	6.66E-07	1.48E-06	1.92E-05
360.198	4249.204	2.57E-06	4.18E-06	9.41E-06	9.01E-07	2.10E-06	1.92E-05
361.1	4248.4	1.82E-06	5.96E-06	9.88E-06	3.85E-07	1.26E-06	1.91E-05
361.1	4248.3	1.65E-06	6.42E-06	9.09E-06	3.14E-07	1.31E-06	1.88E-05
360.9	4248.3	1.89E-06	6.74E-06	8.32E-06	2.60E-07	1.53E-06	1.87E-05
360.9	4248.2	1.85E-06	7.62E-06	7.50E-06	2.48E-07	1.50E-06	1.87E-05
361	4248.3	1.77E-06	6.50E-06	8.62E-06	3.64E-07	1.40E-06	1.87E-05
360.9	4248.9	1.84E-06	5.08E-06	8.96E-06	1.26E-06	1.41E-06	1.86E-05
361	4249.1	1.72E-06	4.25E-06	1.04E-05	8.84E-07	1.29E-06	1.85E-05
360.1	4249.1	2.68E-06	4.03E-06	8.66E-06	7.81E-07	2.31E-06	1.85E-05
360.9	4248.8	1.87E-06	5.04E-06	9.24E-06	7.81E-07	1.46E-06	1.84E-05
360.302	4247.5	1.05E-06	1.42E-05	2.08E-06	4.71E-08	1.00E-06	1.84E-05
361	4248.4	1.74E-06	5.96E-06	8.74E-06	4.59E-07	1.36E-06	1.83E-05
360.9	4249	1.79E-06	4.83E-06	8.76E-06	1.45E-06	1.35E-06	1.82E-05
361	4247.8	1.84E-06	9.83E-06	4.82E-06	1.16E-07	1.49E-06	1.81E-05
361.1	4248.2	1.59E-06	6.72E-06	8.03E-06	2.58E-07	1.25E-06	1.79E-05
360	4249	2.61E-06	3.99E-06	8.37E-06	5.74E-07	2.28E-06	1.78E-05
361.1	4248.1	1.73E-06	7.00E-06	7.35E-06	2.12E-07	1.36E-06	1.76E-05
360.2	4249.26	2.43E-06	3.84E-06	8.47E-06	7.97E-07	1.95E-06	1.75E-05
361.2	4248.6	1.84E-06	4.72E-06	9.04E-06	4.05E-07	1.40E-06	1.74E-05
361	4247.7	1.90E-06	9.85E-06	3.98E-06	9.32E-08	1.50E-06	1.73E-05
360.9	4247.5	1.87E-06	1.12E-05	2.73E-06	5.95E-08	1.48E-06	1.73E-05
361.2	4248.5	1.77E-06	5.03E-06	8.69E-06	3.63E-07	1.38E-06	1.72E-05
360.115	4249.143	2.58E-06	3.82E-06	7.85E-06	7.75E-07	2.19E-06	1.72E-05
360.513	4247.475	1.13E-06	1.35E-05	1.45E-06	3.70E-08	1.01E-06	1.72E-05
360.8	4249.1	1.88E-06	4.40E-06	8.12E-06	1.20E-06	1.42E-06	1.70E-05
361.2	4248.7	1.71E-06	4.36E-06	9.16E-06	4.35E-07	1.31E-06	1.70E-05
361.1	4248	1.74E-06	7.37E-06	6.30E-06	1.74E-07	1.37E-06	1.70E-05
361.1	4249	1.70E-06	3.96E-06	9.34E-06	6.41E-07	1.29E-06	1.69E-05
360.8	4249.2	1.85E-06	4.22E-06	8.03E-06	1.33E-06	1.39E-06	1.68E-05
360.9	4249.3	1.77E-06	3.83E-06	9.04E-06	8.59E-07	1.31E-06	1.68E-05
359.958	4248.92	2.44E-06	3.95E-06	7.73E-06	4.95E-07	2.16E-06	1.68E-05
361	4249.2	1.84E-06	3.79E-06	8.95E-06	7.81E-07	1.35E-06	1.67E-05
361	4247.6	2.08E-06	9.52E-06	3.28E-06	7.58E-08	1.58E-06	1.65E-05
359.912	4248.213	2.76E-06	5.35E-06	5.06E-06	1.66E-07	3.17E-06	1.65E-05
361.2	4248.8	1.63E-06	4.09E-06	9.05E-06	4.68E-07	1.26E-06	1.65E-05
359.9	4248.3	2.70E-06	5.06E-06	5.50E-06	1.92E-07	3.01E-06	1.65E-05
361.2	4248.4	1.54E-06	5.26E-06	8.13E-06	3.14E-07	1.20E-06	1.64E-05
360.585	4249.378	2.11E-06	3.69E-06	7.85E-06	1.05E-06	1.61E-06	1.63E-05
361.1	4247.9	1.67E-06	7.76E-06	5.36E-06	1.41E-07	1.33E-06	1.63E-05
360.199	4249.312	2.29E-06	3.53E-06	7.58E-06	7.09E-07	1.83E-06	1.59E-05
360.06	4249.18	2.35E-06	3.50E-06	7.48E-06	6.19E-07	1.97E-06	1.59E-05
360	4249.1	2.32E-06	3.52E-06	7.42E-06	5.57E-07	1.97E-06	1.58E-05
361.2	4248.3	1.48E-06	5.49E-06	7.38E-06	2.66E-07	1.17E-06	1.58E-05
360.088	4249.225	2.33E-06	3.44E-06	7.33E-06	6.26E-07	1.93E-06	1.57E-05
361.2	4248.9	1.56E-06	3.79E-06	8.60E-06	4.85E-07	1.20E-06	1.56E-05
361.1	4249.1	1.56E-06	3.54E-06	8.23E-06	6.08E-07	1.16E-06	1.51E-05
360.8	4249.3	1.79E-06	3.70E-06	7.22E-06	9.94E-07	1.34E-06	1.50E-05
361.2	4248.1	1.51E-06	5.87E-06	6.27E-06	1.89E-07	1.19E-06	1.50E-05

TASK 3
CUMULATIVE CHILD CANCER RISK PER LOCATION

RECEPTOR		CHILD CANCER RISK					CUMULATIVE CHILD CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
361	4249.3	1.94E-06	3.38E-06	7.57E-06	6.84E-07	1.39E-06	1.50E-05
361	4247.5	2.06E-06	8.54E-06	2.68E-06	6.24E-08	1.54E-06	1.49E-05
360.6	4249.4	2.05E-06	3.42E-06	6.95E-06	8.57E-07	1.56E-06	1.48E-05
360.7	4249.3	1.97E-06	3.56E-06	6.97E-06	7.92E-07	1.50E-06	1.48E-05
360.8	4249.4	1.77E-06	3.47E-06	7.47E-06	7.70E-07	1.32E-06	1.48E-05
361.1	4247.8	1.60E-06	7.39E-06	4.41E-06	1.15E-07	1.26E-06	1.48E-05
361.2	4248	1.58E-06	6.23E-06	5.53E-06	1.59E-07	1.23E-06	1.47E-05
360.9	4249.4	1.76E-06	3.37E-06	7.55E-06	6.77E-07	1.30E-06	1.47E-05
359.868	4248.894	2.21E-06	3.57E-06	6.41E-06	3.71E-07	1.94E-06	1.45E-05
361.3	4248.5	1.59E-06	4.39E-06	6.91E-06	2.88E-07	1.24E-06	1.44E-05
361.3	4248.6	1.55E-06	4.14E-06	7.16E-06	3.13E-07	1.19E-06	1.43E-05
360	4249.2	2.18E-06	3.16E-06	6.60E-06	5.09E-07	1.81E-06	1.43E-05
361.1	4247.7	1.71E-06	7.36E-06	3.74E-06	9.39E-08	1.33E-06	1.42E-05
361.2	4248.2	1.40E-06	5.29E-06	6.15E-06	2.22E-07	1.10E-06	1.42E-05
359.839	4248.354	2.21E-06	4.33E-06	5.02E-06	1.88E-07	2.40E-06	1.41E-05
361.2	4249	1.53E-06	3.39E-06	7.59E-06	4.68E-07	1.16E-06	1.41E-05
360.068	4249.275	2.18E-06	3.12E-06	6.51E-06	5.47E-07	1.78E-06	1.41E-05
360.195	4249.375	2.11E-06	3.18E-06	6.56E-06	6.19E-07	1.67E-06	1.41E-05
359.9	4249	2.09E-06	3.39E-06	6.45E-06	4.18E-07	1.76E-06	1.41E-05
361.3	4248.4	1.48E-06	4.56E-06	6.62E-06	2.57E-07	1.17E-06	1.41E-05
361.2	4247.9	1.51E-06	6.43E-06	4.81E-06	1.34E-07	1.18E-06	1.41E-05
361.3	4248.7	1.48E-06	3.82E-06	7.24E-06	3.31E-07	1.13E-06	1.40E-05
360.804	4247.376	1.45E-06	9.47E-06	1.88E-06	4.55E-08	1.17E-06	1.40E-05
361.1	4247.6	1.86E-06	7.45E-06	3.17E-06	7.78E-08	1.41E-06	1.40E-05
361.1	4249.2	1.66E-06	3.22E-06	7.28E-06	5.62E-07	1.22E-06	1.39E-05
361.3	4248.3	1.41E-06	4.75E-06	6.34E-06	2.25E-07	1.13E-06	1.39E-05
360.9	4247.4	1.61E-06	8.80E-06	2.12E-06	4.92E-08	1.27E-06	1.38E-05
360.8	4249.5	1.73E-06	3.17E-06	6.92E-06	6.15E-07	1.29E-06	1.37E-05
361.3	4248.8	1.46E-06	3.56E-06	7.12E-06	3.54E-07	1.12E-06	1.36E-05
360.538	4249.462	2.01E-06	3.15E-06	6.14E-06	7.40E-07	1.53E-06	1.36E-05
360.7	4249.5	1.84E-06	3.12E-06	6.38E-06	6.97E-07	1.39E-06	1.34E-05
360.549	4247.407	1.07E-06	1.00E-05	1.33E-06	3.61E-08	9.19E-07	1.34E-05
361	4249.4	1.94E-06	3.02E-06	6.34E-06	5.84E-07	1.37E-06	1.32E-05
361.3	4248.9	1.47E-06	3.31E-06	6.93E-06	3.69E-07	1.12E-06	1.32E-05
361.1	4247.5	1.90E-06	7.01E-06	2.68E-06	6.51E-08	1.41E-06	1.31E-05
360.9	4249.5	1.79E-06	3.00E-06	6.37E-06	5.38E-07	1.31E-06	1.30E-05
360.7	4249.6	1.76E-06	2.93E-06	6.37E-06	5.55E-07	1.32E-06	1.29E-05
359.9	4249.1	1.95E-06	3.05E-06	5.91E-06	4.13E-07	1.61E-06	1.29E-05
359.797	4248.242	2.06E-06	4.30E-06	4.19E-06	1.41E-07	2.18E-06	1.29E-05
360.7	4249.4	1.89E-06	3.11E-06	5.82E-06	6.05E-07	1.43E-06	1.29E-05
361.2	4247.8	1.46E-06	6.01E-06	4.09E-06	1.12E-07	1.15E-06	1.28E-05
361.1	4249.3	1.77E-06	2.94E-06	6.33E-06	5.20E-07	1.26E-06	1.28E-05
360.191	4249.427	1.97E-06	2.91E-06	5.82E-06	5.55E-07	1.54E-06	1.28E-05
361.2	4249.1	1.55E-06	3.03E-06	6.62E-06	4.41E-07	1.14E-06	1.28E-05
361.3	4248	1.32E-06	5.38E-06	4.86E-06	1.43E-07	1.03E-06	1.27E-05
359.8	4248.9	2.02E-06	3.22E-06	5.36E-06	3.05E-07	1.80E-06	1.27E-05
361	4247.4	1.73E-06	7.33E-06	2.18E-06	5.20E-08	1.31E-06	1.26E-05
360.032	4249.325	2.02E-06	2.79E-06	5.66E-06	4.65E-07	1.64E-06	1.26E-05
360	4249.3	2.03E-06	2.77E-06	5.65E-06	4.47E-07	1.67E-06	1.26E-05
359.806	4248.302	1.87E-06	4.11E-06	4.45E-06	1.59E-07	1.97E-06	1.26E-05
361.3	4248.1	1.26E-06	4.99E-06	5.11E-06	1.66E-07	9.83E-07	1.25E-05
361.3	4247.9	1.39E-06	5.46E-06	4.30E-06	1.24E-07	1.08E-06	1.23E-05
361.3	4249	1.53E-06	3.00E-06	6.29E-06	3.60E-07	1.14E-06	1.23E-05
360.301	4247.402	8.55E-07	8.70E-06	1.81E-06	3.99E-08	8.15E-07	1.22E-05
361.2	4247.7	1.51E-06	5.90E-06	3.53E-06	9.33E-08	1.18E-06	1.22E-05
359.9	4249.2	1.95E-06	2.77E-06	5.46E-06	3.88E-07	1.61E-06	1.22E-05
360.256	4247.423	1.06E-06	7.67E-06	2.29E-06	4.01E-08	1.08E-06	1.21E-05
359.728	4248.146	1.82E-06	4.82E-06	3.41E-06	1.08E-07	1.96E-06	1.21E-05
361.4	4248.6	1.43E-06	3.64E-06	5.71E-06	2.46E-07	1.08E-06	1.21E-05
359.743	4248.646	1.94E-06	3.26E-06	4.64E-06	2.26E-07	2.02E-06	1.21E-05
360.6	4249.5	1.88E-06	2.86E-06	5.37E-06	5.32E-07	1.43E-06	1.21E-05
361.4	4248.5	1.40E-06	3.82E-06	5.52E-06	2.30E-07	1.09E-06	1.21E-05
359.749	4248.592	1.91E-06	3.30E-06	4.62E-06	2.17E-07	2.00E-06	1.21E-05
361.3	4248.2	1.27E-06	4.50E-06	5.07E-06	1.93E-07	1.01E-06	1.20E-05
360.8	4249.6	1.66E-06	2.81E-06	5.82E-06	4.94E-07	1.24E-06	1.20E-05
361.2	4247.6	1.60E-06	6.03E-06	3.07E-06	7.83E-08	1.23E-06	1.20E-05
361.4	4248.7	1.47E-06	3.38E-06	5.77E-06	2.57E-07	1.09E-06	1.20E-05
360.491	4249.545	1.90E-06	2.81E-06	5.19E-06	5.99E-07	1.45E-06	1.20E-05
361.4	4248.4	1.36E-06	3.98E-06	5.29E-06	2.12E-07	1.07E-06	1.19E-05
361.4	4248.3	1.36E-06	4.14E-06	5.15E-06	1.91E-07	1.08E-06	1.19E-05
361	4249.5	1.90E-06	2.72E-06	5.42E-06	4.76E-07	1.33E-06	1.19E-05
361.1	4249.4	1.81E-06	2.69E-06	5.44E-06	4.74E-07	1.27E-06	1.17E-05
361.1	4247.4	1.75E-06	6.30E-06	2.25E-06	5.50E-08	1.30E-06	1.17E-05
361.4	4248.8	1.48E-06	3.13E-06	5.67E-06	2.75E-07	1.09E-06	1.16E-05
360.9	4249.6	1.77E-06	2.68E-06	5.42E-06	4.32E-07	1.29E-06	1.16E-05
361.2	4249.2	1.51E-06	2.75E-06	5.81E-06	4.14E-07	1.10E-06	1.16E-05
361.2	4247.5	1.71E-06	5.89E-06	2.64E-06	6.65E-08	1.28E-06	1.16E-05
361.4	4248.2	1.26E-06	4.22E-06	4.92E-06	1.68E-07	1.00E-06	1.16E-05
359.754	4248.513	1.71E-06	3.36E-06	4.53E-06	2.01E-07	1.75E-06	1.15E-05

TASK 3
CUMULATIVE CHILD CANCER RISK PER LOCATION

RECEPTOR		CHILD CANCER RISK					CUMULATIVE CHILD CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
359.8	4249	1.76E-06	2.92E-06	5.01E-06	3.12E-07	1.47E-06	1.15E-05
360.725	4249.695	1.71E-06	2.60E-06	5.35E-06	4.37E-07	1.27E-06	1.14E-05
359.751	4248.443	1.66E-06	3.45E-06	4.34E-06	1.81E-07	1.70E-06	1.13E-05
361.4	4248.9	1.48E-06	2.91E-06	5.55E-06	2.87E-07	1.08E-06	1.13E-05
361.3	4249.1	1.64E-06	2.68E-06	5.48E-06	3.34E-07	1.18E-06	1.13E-05
360.189	4249.503	1.82E-06	2.62E-06	5.00E-06	4.75E-07	1.40E-06	1.13E-05
360.8	4247.3	1.29E-06	7.33E-06	1.57E-06	4.00E-08	1.03E-06	1.13E-05
361.3	4247.8	1.34E-06	5.02E-06	3.74E-06	1.06E-07	1.05E-06	1.12E-05
359.7	4248.2	1.77E-06	4.13E-06	3.37E-06	1.11E-07	1.86E-06	1.12E-05
360.7	4249.7	1.65E-06	2.60E-06	5.32E-06	4.42E-07	1.23E-06	1.12E-05
359.755	4248.318	1.65E-06	3.69E-06	4.03E-06	1.49E-07	1.71E-06	1.12E-05
361.4	4248.1	1.18E-06	4.39E-06	4.53E-06	1.47E-07	9.32E-07	1.12E-05
359.7	4248.7	1.80E-06	3.04E-06	4.25E-06	2.12E-07	1.84E-06	1.11E-05
359.7	4248.8	1.84E-06	3.00E-06	4.25E-06	2.25E-07	1.76E-06	1.11E-05
360.9	4247.3	1.40E-06	6.80E-06	1.68E-06	4.14E-08	1.10E-06	1.10E-05
360.481	4247.39	8.93E-07	8.08E-06	1.20E-06	3.20E-08	7.70E-07	1.10E-05
359.675	4248.099	1.59E-06	4.56E-06	2.98E-06	9.29E-08	1.70E-06	1.09E-05
361.4	4247.9	1.24E-06	4.73E-06	3.85E-06	1.12E-07	9.62E-07	1.09E-05
361.4	4248	1.13E-06	4.68E-06	4.06E-06	1.28E-07	8.74E-07	1.09E-05
361.4	4249	1.55E-06	2.68E-06	5.23E-06	2.84E-07	1.12E-06	1.09E-05
359.984	4249.373	1.79E-06	2.45E-06	4.78E-06	3.87E-07	1.45E-06	1.09E-05
359.9	4249.3	1.81E-06	2.46E-06	4.74E-06	3.51E-07	1.49E-06	1.08E-05
359.7	4248.6	1.69E-06	3.03E-06	4.17E-06	1.95E-07	1.74E-06	1.08E-05
360.6	4249.7	1.67E-06	2.51E-06	4.88E-06	4.70E-07	1.25E-06	1.08E-05
361.2	4249.3	1.54E-06	2.54E-06	5.19E-06	3.84E-07	1.10E-06	1.08E-05
360.6	4249.6	1.74E-06	2.57E-06	4.68E-06	4.43E-07	1.32E-06	1.08E-05
361	4249.6	1.88E-06	2.48E-06	4.71E-06	3.84E-07	1.30E-06	1.08E-05
361.1	4249.5	1.88E-06	2.46E-06	4.64E-06	4.06E-07	1.29E-06	1.07E-05
360.8	4249.7	1.59E-06	2.51E-06	4.93E-06	3.98E-07	1.18E-06	1.06E-05
361.2	4247.4	1.57E-06	5.50E-06	2.28E-06	5.68E-08	1.18E-06	1.06E-05
359.7	4248.9	1.77E-06	2.78E-06	4.19E-06	2.33E-07	1.61E-06	1.06E-05
361.5	4248.6	1.44E-06	3.23E-06	4.64E-06	1.97E-07	1.07E-06	1.06E-05
361.3	4247.7	1.38E-06	4.75E-06	3.27E-06	9.01E-08	1.07E-06	1.06E-05
359.8	4249.1	1.64E-06	2.62E-06	4.65E-06	3.10E-07	1.33E-06	1.06E-05
360.5	4249.6	1.79E-06	2.52E-06	4.44E-06	4.23E-07	1.37E-06	1.06E-05
361	4247.3	1.47E-06	6.11E-06	1.77E-06	4.39E-08	1.12E-06	1.05E-05
361.5	4248.5	1.38E-06	3.38E-06	4.49E-06	1.87E-07	1.05E-06	1.05E-05
361.5	4248.7	1.46E-06	3.03E-06	4.69E-06	2.04E-07	1.06E-06	1.04E-05
359.7	4248.5	1.55E-06	3.09E-06	4.01E-06	1.75E-07	1.54E-06	1.04E-05
360.9	4249.7	1.72E-06	2.42E-06	4.60E-06	3.53E-07	1.24E-06	1.03E-05
361.3	4247.6	1.47E-06	4.77E-06	2.84E-06	7.67E-08	1.12E-06	1.03E-05
360.186	4249.569	1.71E-06	2.39E-06	4.45E-06	4.14E-07	1.31E-06	1.03E-05
359.7	4248.4	1.54E-06	3.21E-06	3.79E-06	1.52E-07	1.56E-06	1.03E-05
361.1	4247.3	1.59E-06	5.52E-06	1.87E-06	4.68E-08	1.18E-06	1.02E-05
361.4	4249.1	1.66E-06	2.43E-06	4.68E-06	2.64E-07	1.17E-06	1.02E-05
361.5	4248.4	1.23E-06	3.49E-06	4.31E-06	1.74E-07	9.72E-07	1.02E-05
361.3	4249.2	1.56E-06	2.43E-06	4.77E-06	3.14E-07	1.11E-06	1.02E-05
360.444	4249.629	1.77E-06	2.43E-06	4.19E-06	4.18E-07	1.36E-06	1.02E-05
359.652	4248.019	1.52E-06	4.23E-06	2.67E-06	8.15E-08	1.67E-06	1.02E-05
361.5	4248.3	1.19E-06	3.58E-06	4.23E-06	1.62E-07	9.48E-07	1.01E-05
361.5	4248.8	1.43E-06	2.79E-06	4.59E-06	2.18E-07	1.03E-06	1.01E-05
360.6	4249.8	1.59E-06	2.32E-06	4.58E-06	3.79E-07	1.18E-06	1.00E-05
361.2	4249.4	1.57E-06	2.38E-06	4.64E-06	3.63E-07	1.10E-06	1.00E-05
361.5	4248.2	1.16E-06	3.68E-06	4.10E-06	1.46E-07	9.26E-07	1.00E-05
360.7	4249.8	1.58E-06	2.33E-06	4.57E-06	3.58E-07	1.17E-06	1.00E-05
360.2	4249.6	1.67E-06	2.34E-06	4.32E-06	3.98E-07	1.27E-06	1.00E-05
359.7	4248.3	1.39E-06	3.48E-06	3.56E-06	1.30E-07	1.41E-06	9.98E-06
361.5	4248.1	1.12E-06	3.90E-06	3.92E-06	1.30E-07	8.81E-07	9.94E-06
361.3	4247.5	1.44E-06	4.82E-06	2.48E-06	6.60E-08	1.10E-06	9.90E-06
361.4	4247.8	1.20E-06	4.27E-06	3.40E-06	9.77E-08	9.27E-07	9.89E-06
359.8	4249.2	1.58E-06	2.40E-06	4.35E-06	2.97E-07	1.27E-06	9.89E-06
359.939	4249.397	1.65E-06	2.25E-06	4.27E-06	3.39E-07	1.33E-06	9.84E-06
361.5	4248.9	1.44E-06	2.59E-06	4.51E-06	2.27E-07	1.03E-06	9.79E-06
359.627	4248.675	1.62E-06	2.71E-06	3.64E-06	1.75E-07	1.64E-06	9.78E-06
361.5	4248	1.05E-06	4.15E-06	3.60E-06	1.15E-07	8.20E-07	9.74E-06
360.771	4247.244	1.15E-06	6.21E-06	1.39E-06	3.65E-08	9.24E-07	9.70E-06
361	4249.7	1.75E-06	2.27E-06	4.12E-06	3.14E-07	1.22E-06	9.67E-06
359.6	4248.1	1.50E-06	3.92E-06	2.60E-06	8.25E-08	1.53E-06	9.63E-06
359.6	4248.2	1.54E-06	3.69E-06	2.77E-06	9.38E-08	1.54E-06	9.62E-06
359.7	4249	1.55E-06	2.54E-06	3.96E-06	2.38E-07	1.31E-06	9.60E-06
361.1	4249.6	1.76E-06	2.25E-06	4.01E-06	3.41E-07	1.21E-06	9.57E-06
361.5	4249	1.51E-06	2.40E-06	4.35E-06	2.28E-07	1.07E-06	9.57E-06
361.2	4247.3	1.46E-06	4.99E-06	1.95E-06	4.90E-08	1.10E-06	9.54E-06
361.5	4247.9	1.06E-06	4.15E-06	3.38E-06	1.02E-07	8.24E-07	9.52E-06
361.2	4249.5	1.69E-06	2.21E-06	4.05E-06	3.38E-07	1.16E-06	9.45E-06
359.629	4247.939	1.37E-06	3.99E-06	2.44E-06	7.09E-08	1.56E-06	9.44E-06
360.8	4249.8	1.50E-06	2.27E-06	4.23E-06	3.27E-07	1.11E-06	9.43E-06
361.3	4247.4	1.35E-06	4.77E-06	2.21E-06	5.73E-08	1.03E-06	9.41E-06
361.6	4248.6	1.45E-06	2.90E-06	3.83E-06	1.59E-07	1.05E-06	9.38E-06

Appendix D

CALCULATION OF NON-CANCER HAZARDS AND CANCER RISKS

CENTRAL TENDENCY EXPOSURE

These data are included electronically. The first page of each file has been included in this Appendix.

D-1
NON-CANCER HAZARDS: TASK 1 DATA
CENTRAL TENDENCY

TASK 1
CHILD NON-CANCER HAZARD QUOTIENTS AND HAZARD INDEX PER LOCATION
CENTRAL TENDENCY

RECEPTOR		CHILD HQ												CHILD NON-CANCER HI
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE	
359.832	4249.938	2.51E-03	1.67E-02	1.19E-03	1.52E-01	2.29E-02	1.01E+00	2.18E-03	5.80E-03	1.96E-01	4.93E-04	3.13E-02	2.72E-03	1.44E+00
359.84	4249.884	2.58E-03	1.78E-02	1.25E-03	1.61E-01	2.50E-02	1.09E+00	2.30E-03	5.92E-03	2.07E-01	5.18E-04	3.39E-02	2.92E-03	1.55E+00
359.86	4249.794	2.75E-03	2.00E-02	1.37E-03	1.80E-01	2.93E-02	1.24E+00	2.54E-03	6.16E-03	2.31E-01	5.74E-04	3.91E-02	3.34E-03	1.76E+00
359.875	4249.736	2.87E-03	2.17E-02	1.46E-03	1.94E-01	3.27E-02	1.36E+00	2.71E-03	6.31E-03	2.48E-01	6.14E-04	4.31E-02	3.65E-03	1.91E+00
359.806	4249.729	2.78E-03	2.02E-02	1.37E-03	1.84E-01	2.96E-02	1.28E+00	2.60E-03	6.20E-03	2.36E-01	5.75E-04	4.01E-02	3.42E-03	1.81E+00
359.818	4249.667	2.92E-03	2.19E-02	1.45E-03	2.00E-01	3.30E-02	1.40E+00	2.79E-03	6.36E-03	2.54E-01	6.16E-04	4.44E-02	3.76E-03	1.97E+00
359.827	4249.617	3.03E-03	2.31E-02	1.52E-03	2.12E-01	3.61E-02	1.48E+00	2.96E-03	6.48E-03	2.70E-01	6.45E-04	4.78E-02	4.05E-03	2.09E+00
359.836	4249.56	3.17E-03	2.44E-02	1.58E-03	2.28E-01	3.99E-02	1.48E+00	3.16E-03	6.59E-03	2.90E-01	6.76E-04	5.22E-02	4.41E-03	2.13E+00
359.849	4249.506	3.32E-03	2.58E-02	1.66E-03	2.45E-01	4.42E-02	1.48E+00	3.39E-03	6.70E-03	3.10E-01	7.09E-04	5.73E-02	4.83E-03	2.18E+00
359.888	4249.439	3.61E-03	2.92E-02	1.84E-03	2.75E-01	5.25E-02	1.64E+00	3.76E-03	6.86E-03	3.46E-01	7.92E-04	6.71E-02	5.59E-03	2.43E+00
359.939	4249.397	3.88E-03	3.35E-02	2.07E-03	3.06E-01	6.20E-02	1.93E+00	4.10E-03	7.03E-03	3.84E-01	8.95E-04	7.81E-02	6.41E-03	2.82E+00
359.984	4249.373	4.05E-03	3.68E-02	2.25E-03	3.30E-01	7.06E-02	2.15E+00	4.39E-03	7.18E-03	4.14E-01	9.75E-04	8.75E-02	7.10E-03	3.11E+00
360.032	4249.325	4.34E-03	4.22E-02	2.54E-03	3.73E-01	8.49E-02	2.58E+00	4.89E-03	7.40E-03	4.65E-01	1.11E-03	1.04E-01	8.26E-03	3.67E+00
360.068	4249.275	4.58E-03	4.63E-02	2.74E-03	4.15E-01	1.00E-01	2.70E+00	5.43E-03	7.58E-03	5.16E-01	1.20E-03	1.19E-01	9.44E-03	3.92E+00
360.088	4249.225	4.81E-03	5.08E-02	2.94E-03	4.56E-01	1.15E-01	2.92E+00	5.94E-03	7.72E-03	5.66E-01	1.30E-03	1.35E-01	1.06E-02	4.27E+00
360.06	4249.18	4.97E-03	5.26E-02	2.95E-03	4.64E-01	1.13E-01	2.94E+00	6.08E-03	7.67E-03	5.76E-01	1.32E-03	1.38E-01	1.08E-02	4.32E+00
360.115	4249.143	5.19E-03	5.91E-02	3.24E-03	5.03E-01	1.42E-01	3.34E+00	6.75E-03	7.92E-03	6.53E-01	1.47E-03	1.51E-01	1.15E-02	4.88E+00
360.171	4249.034	5.93E-03	7.95E-02	4.10E-03	6.92E-01	2.09E-01	5.40E+00	8.38E-03	8.32E-03	8.97E-01	1.93E-03	2.36E-01	1.73E-02	7.56E+00
360.171	4249.149	5.28E-03	6.02E-02	3.41E-03	5.71E-01	1.71E-01	3.83E+00	7.27E-03	8.16E-03	7.29E-01	1.53E-03	1.85E-01	1.39E-02	5.58E+00
360.198	4249.204	5.10E-03	5.43E-02	3.27E-03	5.47E-01	1.65E-01	3.67E+00	7.03E-03	8.21E-03	6.93E-01	1.43E-03	1.75E-01	1.33E-02	5.34E+00
360.2	4249.26	4.87E-03	4.93E-02	3.08E-03	5.04E-01	1.46E-01	3.32E+00	6.54E-03	8.12E-03	6.30E-01	1.33E-03	1.57E-01	1.21E-02	4.84E+00
360.199	4249.312	4.66E-03	4.54E-02	2.92E-03	4.65E-01	1.30E-01	3.03E+00	6.09E-03	8.02E-03	5.76E-01	1.25E-03	1.41E-01	1.09E-02	4.42E+00
360.195	4249.375	4.41E-03	4.08E-02	2.69E-03	4.19E-01	1.13E-01	2.69E+00	5.58E-03	7.87E-03	5.18E-01	1.14E-03	1.22E-01	9.57E-03	3.94E+00
360.191	4249.427	4.21E-03	3.72E-02	2.51E-03	3.86E-01	1.02E-01	2.45E+00	5.20E-03	7.74E-03	4.77E-01	1.05E-03	1.10E-01	8.62E-03	3.59E+00
360.189	4249.503	3.97E-03	3.33E-02	2.31E-03	3.49E-01	8.71E-02	2.23E+00	4.75E-03	7.55E-03	4.29E-01	9.57E-04	9.40E-02	7.49E-03	3.25E+00
360.186	4249.569	3.78E-03	3.07E-02	2.17E-03	3.19E-01	7.60E-02	2.10E+00	4.43E-03	7.38E-03	3.92E-01	8.94E-04	8.26E-02	6.67E-03	3.02E+00
360.178	4249.644	3.58E-03	2.86E-02	2.05E-03	2.92E-01	6.47E-02	2.05E+00	4.08E-03	7.18E-03	3.55E-01	8.41E-04	7.36E-02	5.96E-03	2.89E+00
360.178	4249.719	3.41E-03	2.62E-02	1.92E-03	2.69E-01	5.60E-02	1.91E+00	3.80E-03	6.98E-03	3.25E-01	7.83E-04	6.60E-02	5.38E-03	2.67E+00
360.186	4249.823	3.23E-03	2.30E-02	1.75E-03	2.42E-01	4.64E-02	1.66E+00	3.46E-03	6.71E-03	2.88E-01	7.06E-04	5.72E-02	4.73E-03	2.33E+00
360.188	4249.929	3.06E-03	2.01E-02	1.58E-03	2.15E-01	3.80E-02	1.40E+00	3.15E-03	6.43E-03	2.55E-01	6.29E-04	4.82E-02	4.07E-03	2.00E+00
360.18	4250.032	2.94E-03	1.84E-02	1.48E-03	1.92E-01	3.14E-02	1.32E+00	2.87E-03	6.18E-03	2.27E-01	5.86E-04	4.16E-02	3.54E-03	1.85E+00
360.091	4250.02	2.79E-03	1.80E-02	1.42E-03	1.77E-01	2.84E-02	1.18E+00	2.60E-03	6.09E-03	2.15E-01	5.64E-04	3.75E-02	3.22E-03	1.68E+00
360.003	4250.007	2.66E-03	1.76E-02	1.33E-03	1.65E-01	2.61E-02	1.09E+00	2.39E-03	5.98E-03	2.05E-01	5.36E-04	3.42E-02	2.96E-03	1.55E+00
359.914	4249.995	2.57E-03	1.71E-02	1.25E-03	1.54E-01	2.36E-02	1.01E+00	2.23E-03	5.85E-03	1.96E-01	5.09E-04	3.17E-02	2.76E-03	1.45E+00
360.269	4249.127	5.67E-03	6.00E-02	3.60E-03	6.69E-01	2.66E-01	4.95E+00	8.57E-03	8.65E-03	9.46E-01	1.59E-03	2.32E-01	1.65E-02	7.17E+00
360.334	4249.128	6.08E-03	5.66E-02	3.61E-03	7.19E-01	3.53E-01	5.65E+00	9.28E-03	8.97E-03	1.11E+00	1.57E-03	2.60E-01	1.77E-02	8.19E+00
360.403	4249.137	6.74E-03	5.13E-02	3.53E-03	7.70E-01	4.62E-01	5.94E+00	9.83E-03	9.30E-03	1.26E+00	1.50E-03	2.95E-01	1.97E-02	8.83E+00
360.498	4249.157	7.99E-03	4.40E-02	3.34E-03	8.57E-01	5.80E-01	5.53E+00	1.02E-02	9.71E-03	1.30E+00	1.39E-03	3.53E-01	2.48E-02	8.71E+00
360.592	4249.185	9.36E-03	3.76E-02	3.11E-03	8.20E-01	5.01E-01	4.34E+00	9.67E-03	1.01E-02	1.15E+00	1.29E-03	3.26E-01	2.38E-02	7.24E+00
360.678	4249.21	1.03E-02	3.14E-02	2.78E-03	6.73E-01	3.54E-01	3.21E+00	8.95E-03	1.05E-02	9.55E-01	1.14E-03	2.35E-01	1.72E-02	5.51E+00
360.632	4249.294	8.93E-03	3.21E-02	2.75E-03	5.67E-01	2.66E-01	2.98E+00	7.89E-03	9.97E-03	7.56E-01	1.13E-03	1.83E-01	1.36E-02	4.83E+00
360.585	4249.378	7.62E-03	3.20E-02	2.68E-03	4.87E-01	1.93E-01	2.82E+00	7.02E-03	9.43E-03	6.12E-01	1.10E-03	1.46E-01	1.11E-02	4.32E+00
360.538	4249.462	6.49E-03	3.11E-02	2.56E-03	4.19E-01	1.36E-01	2.61E+00	6.22E-03	8.90E-03	5.03E-01	1.05E-03	1.14E-01	8.94E-03	3.85E+00
360.491	4249.545	5.62E-03	3.01E-02	2.44E-03	3.76E-01	1.10E-01	2.41E+00	5.59E-03	8.42E-03	4.50E-01	9.98E-04	9.68E-02	7.71E-03	3.50E+00
360.444	4249.629	4.91E-03	2.86E-02	2.27E-03	3.27E-01	7.72E-02	2.14E+00	4.94E-03	7.95E-03	3.80E-01	9.30E-04	7.72E-02	6.33E-03	3.06E+00
360.397	4249.713	4.36E-03	2.69E-02	2.11E-03	2.97E-01	6.90E-02	1.95E+00	4.50E-03	7.52E-03	3.48E-01	8.62E-04	6.84E-02	5.63E-03	2.78E+00
360.35	4249.797	3.89E-03	2.47E-02	1.92E-03	2.65E-01	5.64E-02	1.73E+00	4.03E-03	7.12E-03	3.09E-01	7.82E-04	5.83E-02	4.87E-03	2.46E+00
360.277	4249.8	3.56E-03	2.41E-02	1.85E-03	2.65E-01	5.55E-02	1.70E+00	3.92E-03	6.94E-03	3.13E-01	7.48E-04	6.30E-02	5.20E-03	2.44E+00

TASK 1
ADULT NON-CANCER HAZARD QUOTIENTS AND HAZARD INDEX PER LOCATION
CENTRAL TENDENCY

RECEPTOR		ADULT HQ												ADULT NON-CANCER HI
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE	
359.832	4249.938	9.83E-04	6.56E-03	4.67E-04	5.96E-02	8.95E-03	3.94E-01	8.56E-04	2.27E-03	7.66E-02	1.93E-04	1.23E-02	1.07E-03	5.64E-01
359.84	4249.884	1.01E-03	6.96E-03	4.88E-04	6.32E-02	9.79E-03	4.25E-01	9.02E-04	2.32E-03	8.12E-02	2.03E-04	1.33E-02	1.15E-03	6.06E-01
359.86	4249.794	1.08E-03	7.85E-03	5.36E-04	7.06E-02	1.15E-02	4.87E-01	9.94E-04	2.41E-03	9.03E-02	2.25E-04	1.53E-02	1.31E-03	6.89E-01
359.875	4249.736	1.12E-03	8.50E-03	5.70E-04	7.60E-02	1.28E-02	5.31E-01	1.06E-03	2.47E-03	9.71E-02	2.40E-04	1.69E-02	1.43E-03	7.49E-01
359.806	4249.729	1.09E-03	7.90E-03	5.35E-04	7.22E-02	1.16E-02	5.02E-01	1.02E-03	2.43E-03	9.23E-02	2.25E-04	1.57E-02	1.34E-03	7.09E-01
359.818	4249.667	1.14E-03	8.56E-03	5.69E-04	7.81E-02	1.29E-02	5.47E-01	1.09E-03	2.49E-03	9.95E-02	2.41E-04	1.74E-02	1.47E-03	7.71E-01
359.827	4249.617	1.19E-03	9.03E-03	5.94E-04	8.32E-02	1.41E-02	5.79E-01	1.16E-03	2.54E-03	1.06E-01	2.52E-04	1.87E-02	1.59E-03	8.17E-01
359.836	4249.56	1.24E-03	9.55E-03	6.21E-04	8.93E-02	1.56E-02	5.79E-01	1.24E-03	2.58E-03	1.13E-01	2.65E-04	2.04E-02	1.73E-03	8.35E-01
359.849	4249.506	1.30E-03	1.01E-02	6.50E-04	9.61E-02	1.73E-02	5.80E-01	1.33E-03	2.62E-03	1.21E-01	2.78E-04	2.24E-02	1.89E-03	8.55E-01
359.888	4249.439	1.41E-03	1.14E-02	7.21E-04	1.08E-01	2.05E-02	6.42E-01	1.47E-03	2.69E-03	1.36E-01	3.10E-04	2.63E-02	2.19E-03	9.53E-01
359.939	4249.397	1.52E-03	1.31E-02	8.09E-04	1.20E-01	2.43E-02	7.56E-01	1.61E-03	2.75E-03	1.50E-01	3.50E-04	3.06E-02	2.51E-03	1.10E+00
359.984	4249.373	1.59E-03	1.44E-02	8.79E-04	1.29E-01	2.76E-02	8.41E-01	1.72E-03	2.81E-03	1.62E-01	3.82E-04	3.43E-02	2.78E-03	1.22E+00
360.032	4249.325	1.70E-03	1.65E-02	9.94E-04	1.46E-01	3.33E-02	1.01E+00	1.91E-03	2.90E-03	1.82E-01	4.34E-04	4.06E-02	3.24E-03	1.44E+00
360.068	4249.275	1.79E-03	1.81E-02	1.07E-03	1.62E-01	3.91E-02	1.06E+00	2.12E-03	2.97E-03	2.02E-01	4.71E-04	4.67E-02	3.70E-03	1.54E+00
360.088	4249.225	1.89E-03	1.99E-02	1.15E-03	1.79E-01	4.49E-02	1.14E+00	2.32E-03	3.02E-03	2.22E-01	5.09E-04	5.29E-02	4.15E-03	1.67E+00
360.06	4249.18	1.95E-03	2.06E-02	1.15E-03	1.82E-01	4.43E-02	1.15E+00	2.38E-03	3.00E-03	2.25E-01	5.19E-04	5.40E-02	4.24E-03	1.69E+00
360.115	4249.143	2.03E-03	2.31E-02	1.27E-03	1.97E-01	5.55E-02	1.31E+00	2.64E-03	3.10E-03	2.56E-01	5.77E-04	5.91E-02	4.50E-03	1.91E+00
360.171	4249.034	2.32E-03	3.11E-02	1.61E-03	2.71E-01	8.18E-02	2.11E+00	3.28E-03	3.26E-03	3.51E-01	7.55E-04	9.23E-02	6.77E-03	2.96E+00
360.171	4249.149	2.07E-03	2.36E-02	1.34E-03	2.24E-01	6.69E-02	1.50E+00	2.85E-03	3.20E-03	2.86E-01	5.99E-04	7.24E-02	5.46E-03	2.19E+00
360.198	4249.204	2.00E-03	2.13E-02	1.28E-03	2.14E-01	6.46E-02	1.44E+00	2.75E-03	3.21E-03	2.72E-01	5.60E-04	6.86E-02	5.21E-03	2.09E+00
360.2	4249.26	1.91E-03	1.93E-02	1.21E-03	1.97E-01	5.71E-02	1.30E+00	2.56E-03	3.18E-03	2.47E-01	5.21E-04	6.15E-02	4.72E-03	1.89E+00
360.199	4249.312	1.83E-03	1.78E-02	1.14E-03	1.82E-01	5.08E-02	1.19E+00	2.38E-03	3.14E-03	2.26E-01	4.88E-04	5.50E-02	4.27E-03	1.73E+00
360.195	4249.375	1.73E-03	1.60E-02	1.05E-03	1.64E-01	4.43E-02	1.05E+00	2.18E-03	3.08E-03	2.03E-01	4.45E-04	4.79E-02	3.75E-03	1.54E+00
360.191	4249.427	1.65E-03	1.46E-02	9.83E-04	1.51E-01	3.98E-02	9.58E-01	2.04E-03	3.03E-03	1.87E-01	4.12E-04	4.29E-02	3.38E-03	1.40E+00
360.189	4249.503	1.55E-03	1.30E-02	9.06E-04	1.37E-01	3.41E-02	8.74E-01	1.86E-03	2.96E-03	1.68E-01	3.75E-04	3.68E-02	2.93E-03	1.27E+00
360.186	4249.569	1.48E-03	1.20E-02	8.51E-04	1.25E-01	2.98E-02	8.21E-01	1.73E-03	2.89E-03	1.54E-01	3.50E-04	3.23E-02	2.61E-03	1.18E+00
360.178	4249.644	1.40E-03	1.12E-02	8.04E-04	1.14E-01	2.53E-02	8.04E-01	1.60E-03	2.81E-03	1.39E-01	3.29E-04	2.88E-02	2.33E-03	1.13E+00
360.178	4249.719	1.34E-03	1.03E-02	7.52E-04	1.05E-01	2.19E-02	7.47E-01	1.49E-03	2.73E-03	1.27E-01	3.07E-04	2.58E-02	2.11E-03	1.05E+00
360.186	4249.823	1.27E-03	9.02E-03	6.86E-04	9.48E-02	1.82E-02	6.48E-01	1.36E-03	2.63E-03	1.13E-01	2.76E-04	2.24E-02	1.85E-03	9.14E-01
360.188	4249.929	1.20E-03	7.86E-03	6.17E-04	8.43E-02	1.49E-02	5.48E-01	1.23E-03	2.52E-03	9.98E-02	2.46E-04	1.89E-02	1.59E-03	7.81E-01
360.18	4250.032	1.15E-03	7.20E-03	5.79E-04	7.53E-02	1.23E-02	5.17E-01	1.12E-03	2.42E-03	8.89E-02	2.30E-04	1.63E-02	1.39E-03	7.24E-01
360.091	4250.02	1.09E-03	7.04E-03	5.56E-04	6.94E-02	1.11E-02	4.63E-01	1.02E-03	2.39E-03	8.44E-02	2.21E-04	1.47E-02	1.26E-03	6.56E-01
360.003	4250.007	1.04E-03	6.90E-03	5.21E-04	6.44E-02	1.02E-02	4.25E-01	9.37E-04	2.34E-03	8.04E-02	2.10E-04	1.34E-02	1.16E-03	6.07E-01
359.914	4249.995	1.01E-03	6.68E-03	4.88E-04	6.05E-02	9.25E-03	3.96E-01	8.73E-04	2.29E-03	7.68E-02	1.99E-04	1.24E-02	1.08E-03	5.68E-01
360.269	4249.127	2.22E-03	2.35E-02	1.41E-03	2.62E-01	1.04E-01	1.94E+00	3.35E-03	3.39E-03	3.70E-01	6.23E-04	9.10E-02	6.47E-03	2.81E+00
360.334	4249.128	2.38E-03	2.22E-02	1.41E-03	2.81E-01	1.38E-01	2.21E+00	3.63E-03	3.51E-03	4.33E-01	6.14E-04	1.02E-01	6.95E-03	3.21E+00
360.403	4249.137	2.64E-03	2.01E-02	1.38E-03	3.02E-01	1.81E-01	2.33E+00	3.85E-03	3.64E-03	4.95E-01	5.89E-04	1.15E-01	7.70E-03	3.46E+00
360.498	4249.157	3.13E-03	1.72E-02	1.31E-03	3.36E-01	2.27E-01	2.16E+00	3.98E-03	3.80E-03	5.07E-01	5.46E-04	1.38E-01	9.71E-03	3.41E+00
360.592	4249.185	3.67E-03	1.47E-02	1.22E-03	3.21E-01	1.96E-01	1.70E+00	3.79E-03	3.96E-03	4.52E-01	5.04E-04	1.28E-01	9.32E-03	2.83E+00
360.678	4249.21	4.03E-03	1.23E-02	1.09E-03	2.63E-01	1.39E-01	1.26E+00	3.50E-03	4.13E-03	3.74E-01	4.46E-04	9.18E-02	6.73E-03	2.16E+00
360.632	4249.294	3.50E-03	1.26E-02	1.08E-03	2.22E-01	1.04E-01	1.17E+00	3.09E-03	3.90E-03	2.96E-01	4.42E-04	7.15E-02	5.34E-03	1.89E+00
360.585	4249.378	2.98E-03	1.25E-02	1.05E-03	1.91E-01	7.57E-02	1.10E+00	2.75E-03	3.69E-03	2.39E-01	4.30E-04	5.71E-02	4.36E-03	1.69E+00
360.538	4249.462	2.54E-03	1.22E-02	1.00E-03	1.64E-01	5.32E-02	1.02E+00	2.44E-03	3.49E-03	1.97E-01	4.11E-04	4.45E-02	3.50E-03	1.51E+00
360.491	4249.545	2.20E-03	1.18E-02	9.55E-04	1.47E-01	4.32E-02	9.43E-01	2.19E-03	3.30E-03	1.76E-01	3.91E-04	3.79E-02	3.02E-03	1.37E+00
360.444	4249.629	1.92E-03	1.12E-02	8.90E-04	1.28E-01	3.02E-02	8.38E-01	1.93E-03	3.11E-03	1.49E-01	3.64E-04	3.02E-02	2.48E-03	1.20E+00
360.397	4249.713	1.71E-03	1.05E-02	8.26E-04	1.16E-01	2.70E-02	7.64E-01	1.76E-03	2.95E-03	1.36E-01	3.38E-04	2.68E-02	2.21E-03	1.09E+00
360.35	4249.797	1.52E-03	9.68E-03	7.51E-04	1.04E-01	2.21E-02	6.76E-01	1.58E-03	2.79E-03	1.21E-01	3.06E-04	2.28E-02	1.91E-03	9.64E-01

D-2
NON-CANCER HAZARDS: TASK 3 DATA
CENTRAL TENDENCY

TASK 3
CHILD NON-CANCER HAZARD QUOTIENTS AND HAZARD INDEX PER LOCATION
CENTRAL TENDENCY

RECEPTOR		CHILD HQ											CHILD NON-CANCER HI
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE	
359.832	4249.938	5.63E-04	1.59E-02	1.12E-03	1.19E-01	2.21E-02	9.06E-01	2.03E-03	1.95E-02	4.63E-04	2.99E-02	2.53E-03	1.12E+00
359.84	4249.884	5.79E-04	1.70E-02	1.17E-03	1.27E-01	2.42E-02	9.78E-01	2.14E-03	2.07E-02	4.88E-04	3.24E-02	2.72E-03	1.21E+00
359.86	4249.794	6.16E-04	1.93E-02	1.29E-03	1.42E-01	2.85E-02	1.12E+00	2.36E-03	2.31E-02	5.44E-04	3.75E-02	3.12E-03	1.38E+00
359.875	4249.736	6.41E-04	2.09E-02	1.38E-03	1.53E-01	3.18E-02	1.23E+00	2.52E-03	2.49E-02	5.83E-04	4.15E-02	3.42E-03	1.51E+00
359.806	4249.729	6.06E-04	1.95E-02	1.30E-03	1.44E-01	2.88E-02	1.16E+00	2.39E-03	2.35E-02	5.48E-04	3.86E-02	3.20E-03	1.42E+00
359.818	4249.667	6.33E-04	2.12E-02	1.38E-03	1.57E-01	3.21E-02	1.27E+00	2.57E-03	2.54E-02	5.88E-04	4.28E-02	3.53E-03	1.55E+00
359.827	4249.617	6.55E-04	2.24E-02	1.44E-03	1.67E-01	3.51E-02	1.35E+00	2.74E-03	2.70E-02	6.16E-04	4.62E-02	3.81E-03	1.65E+00
359.836	4249.56	6.80E-04	2.37E-02	1.51E-03	1.80E-01	3.88E-02	1.35E+00	2.94E-03	2.90E-02	6.46E-04	5.04E-02	4.15E-03	1.68E+00
359.849	4249.506	7.09E-04	2.51E-02	1.58E-03	1.94E-01	4.31E-02	1.34E+00	3.17E-03	3.11E-02	6.78E-04	5.54E-02	4.55E-03	1.70E+00
359.888	4249.439	7.70E-04	2.85E-02	1.75E-03	2.20E-01	5.12E-02	1.50E+00	3.54E-03	3.49E-02	7.57E-04	6.50E-02	5.28E-03	1.91E+00
359.939	4249.397	8.37E-04	3.26E-02	1.97E-03	2.47E-01	6.05E-02	1.77E+00	3.89E-03	3.89E-02	8.55E-04	7.58E-02	6.08E-03	2.24E+00
359.984	4249.373	8.81E-04	3.57E-02	2.13E-03	2.68E-01	6.90E-02	1.98E+00	4.18E-03	4.21E-02	9.29E-04	8.50E-02	6.75E-03	2.50E+00
360.032	4249.325	9.49E-04	4.10E-02	2.41E-03	3.05E-01	8.29E-02	2.39E+00	4.69E-03	4.74E-02	1.06E-03	1.01E-01	7.88E-03	2.98E+00
360.068	4249.275	9.97E-04	4.50E-02	2.60E-03	3.42E-01	9.76E-02	2.49E+00	5.23E-03	5.27E-02	1.15E-03	1.16E-01	9.01E-03	3.16E+00
360.088	4249.225	1.04E-03	4.93E-02	2.78E-03	3.77E-01	1.12E-01	2.69E+00	5.74E-03	5.80E-02	1.24E-03	1.32E-01	1.01E-02	3.44E+00
360.06	4249.18	1.07E-03	5.12E-02	2.80E-03	3.83E-01	1.10E-01	2.71E+00	5.88E-03	5.89E-02	1.27E-03	1.34E-01	1.04E-02	3.47E+00
360.115	4249.143	1.11E-03	5.74E-02	3.07E-03	4.18E-01	1.38E-01	3.08E+00	6.54E-03	6.68E-02	1.41E-03	1.47E-01	1.10E-02	3.93E+00
360.171	4249.034	1.22E-03	7.68E-02	3.89E-03	5.80E-01	2.04E-01	5.02E+00	8.16E-03	9.27E-02	1.83E-03	2.30E-01	1.66E-02	6.23E+00
360.171	4249.149	1.10E-03	5.82E-02	3.21E-03	4.77E-01	1.66E-01	3.54E+00	7.07E-03	7.51E-02	1.45E-03	1.80E-01	1.34E-02	4.52E+00
360.198	4249.204	1.05E-03	5.24E-02	3.07E-03	4.58E-01	1.61E-01	3.40E+00	6.84E-03	7.14E-02	1.35E-03	1.71E-01	1.27E-02	4.34E+00
360.2	4249.26	1.01E-03	4.76E-02	2.89E-03	4.21E-01	1.42E-01	3.07E+00	6.37E-03	6.47E-02	1.25E-03	1.53E-01	1.15E-02	3.92E+00
360.199	4249.312	9.70E-04	4.38E-02	2.73E-03	3.87E-01	1.27E-01	2.81E+00	5.93E-03	5.91E-02	1.17E-03	1.37E-01	1.04E-02	3.58E+00
360.195	4249.375	9.25E-04	3.94E-02	2.52E-03	3.48E-01	1.10E-01	2.49E+00	5.43E-03	5.32E-02	1.07E-03	1.19E-01	9.14E-03	3.18E+00
360.191	4249.427	8.89E-04	3.59E-02	2.35E-03	3.19E-01	9.90E-02	2.26E+00	5.06E-03	4.89E-02	9.89E-04	1.06E-01	8.22E-03	2.89E+00
360.189	4249.503	8.48E-04	3.21E-02	2.17E-03	2.86E-01	8.48E-02	2.06E+00	4.62E-03	4.39E-02	9.00E-04	9.10E-02	7.11E-03	2.61E+00
360.186	4249.569	8.15E-04	2.96E-02	2.04E-03	2.61E-01	7.38E-02	1.94E+00	4.31E-03	4.01E-02	8.41E-04	7.99E-02	6.32E-03	2.44E+00
360.178	4249.644	7.80E-04	2.75E-02	1.92E-03	2.38E-01	6.27E-02	1.91E+00	3.97E-03	3.62E-02	7.91E-04	7.10E-02	5.63E-03	2.36E+00
360.178	4249.719	7.43E-04	2.51E-02	1.80E-03	2.18E-01	5.42E-02	1.77E+00	3.70E-03	3.30E-02	7.35E-04	6.35E-02	5.07E-03	2.18E+00
360.186	4249.823	6.92E-04	2.20E-02	1.64E-03	1.95E-01	4.47E-02	1.54E+00	3.38E-03	2.93E-02	6.61E-04	5.50E-02	4.45E-03	1.90E+00
360.188	4249.929	6.41E-04	1.92E-02	1.47E-03	1.73E-01	3.66E-02	1.30E+00	3.07E-03	2.58E-02	5.88E-04	4.65E-02	3.83E-03	1.61E+00
360.18	4250.032	6.14E-04	1.75E-02	1.38E-03	1.54E-01	3.01E-02	1.22E+00	2.78E-03	2.30E-02	5.47E-04	4.01E-02	3.33E-03	1.49E+00
360.091	4250.02	6.11E-04	1.72E-02	1.33E-03	1.41E-01	2.73E-02	1.09E+00	2.50E-03	2.18E-02	5.30E-04	3.59E-02	3.01E-03	1.34E+00
360.003	4250.007	6.04E-04	1.68E-02	1.26E-03	1.31E-01	2.50E-02	9.94E-01	2.28E-03	2.07E-02	5.06E-04	3.26E-02	2.75E-03	1.23E+00
359.914	4249.995	5.87E-04	1.62E-02	1.17E-03	1.22E-01	2.28E-02	9.20E-01	2.11E-03	1.97E-02	4.79E-04	3.02E-02	2.56E-03	1.14E+00
360.269	4249.127	1.09E-03	5.79E-02	3.39E-03	5.64E-01	2.59E-01	4.61E+00	8.39E-03	9.75E-02	1.50E-03	2.26E-01	1.58E-02	5.85E+00
360.334	4249.128	1.10E-03	5.49E-02	3.40E-03	6.07E-01	3.45E-01	5.28E+00	9.15E-03	1.13E-01	1.48E-03	2.51E-01	1.70E-02	6.68E+00
360.403	4249.137	1.17E-03	5.01E-02	3.33E-03	6.51E-01	4.50E-01	5.57E+00	9.76E-03	1.28E-01	1.42E-03	2.83E-01	1.88E-02	7.16E+00
360.498	4249.157	1.37E-03	4.32E-02	3.15E-03	7.30E-01	5.64E-01	5.16E+00	1.01E-02	1.34E-01	1.32E-03	3.42E-01	2.38E-02	7.01E+00
360.592	4249.185	1.64E-03	3.68E-02	2.93E-03	6.97E-01	4.88E-01	4.02E+00	9.56E-03	1.19E-01	1.22E-03	3.17E-01	2.29E-02	5.72E+00
360.678	4249.21	1.86E-03	3.06E-02	2.62E-03	5.66E-01	3.44E-01	2.94E+00	8.84E-03	9.72E-02	1.07E-03	2.27E-01	1.65E-02	4.23E+00
360.632	4249.294	1.60E-03	3.14E-02	2.59E-03	4.73E-01	2.59E-01	2.75E+00	7.79E-03	7.62E-02	1.07E-03	1.77E-01	1.31E-02	3.79E+00
360.585	4249.378	1.38E-03	3.13E-02	2.52E-03	4.04E-01	1.88E-01	2.62E+00	6.95E-03	6.16E-02	1.03E-03	1.41E-01	1.07E-02	3.47E+00
360.538	4249.462	1.20E-03	3.04E-02	2.39E-03	3.45E-01	1.32E-01	2.44E+00	6.18E-03	5.06E-02	9.83E-04	1.10E-01	8.51E-03	3.13E+00
360.491	4249.545	1.08E-03	2.94E-02	2.27E-03	3.08E-01	1.07E-01	2.25E+00	5.55E-03	4.52E-02	9.34E-04	9.36E-02	7.31E-03	2.85E+00
360.444	4249.629	9.71E-04	2.80E-02	2.11E-03	2.67E-01	7.46E-02	1.99E+00	4.91E-03	3.82E-02	8.72E-04	7.49E-02	6.01E-03	2.49E+00
360.397	4249.713	8.76E-04	2.62E-02	1.96E-03	2.42E-01	6.68E-02	1.81E+00	4.46E-03	3.50E-02	8.09E-04	6.68E-02	5.37E-03	2.26E+00
360.35	4249.797	7.83E-04	2.40E-02	1.79E-03	2.15E-01	5.46E-02	1.60E+00	3.99E-03	3.11E-02	7.33E-04	5.71E-02	4.66E-03	2.00E+00
360.277	4249.8	7.35E-04	2.31E-02	1.72E-03	2.15E-01	5.37E-02	1.58E+00	3.86E-03	3.17E-02	7.01E-04	6.12E-02	4.94E-03	1.98E+00
360.233	4249.168	1.07E-03	5.51E-02	3.24E-03	5.13E-01	1.99E-01	3.96E+00	7.55E-03	8.23E-02	1.43E-03	1.99E-01	1.46E-02	5.04E+00
360.049	4248.941	1.19E-03	8.27E-02	3.89E-03	5.14E-01	1.23E-01	4.89E+00	7.71E-03	7.31E-02	1.91E-03	1.82E-01	1.39E-02	5.90E+00
359.958	4248.92	1.01E-03	5.83E-02	2.91E-03	4.33E-01	8.83E-02	3.15E+00	7.21E-03	6.04E-02	1.39E-03	1.39E-01	1.10E-02	3.95E+00
359.868	4248.894	8.90E-04	5.20E-02	2.64E-03	3.91E-01	6.62E-02	3.34E+00	6.71E-03	5.30E-02	1.25E-03	1.12E-01	9.20E-03	4.04E+00

TASK 3
ADULT NON-CANCER HAZARD QUOTIENTS AND HAZARD INDEX PER LOCATION
CENTRAL TENDENCY

RECEPTOR		ADULT HQ											ADULT NON-CANCER HI
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE	
359.832	4249.938	2.20E-04	6.24E-03	4.38E-04	4.67E-02	8.65E-03	3.55E-01	7.96E-04	7.64E-03	1.81E-04	1.17E-02	9.89E-04	4.38E-01
359.84	4249.884	2.27E-04	6.66E-03	4.59E-04	4.96E-02	9.48E-03	3.83E-01	8.38E-04	8.11E-03	1.91E-04	1.27E-02	1.07E-03	4.72E-01
359.86	4249.794	2.41E-04	7.54E-03	5.06E-04	5.56E-02	1.12E-02	4.40E-01	9.24E-04	9.04E-03	2.13E-04	1.47E-02	1.22E-03	5.41E-01
359.875	4249.736	2.51E-04	8.19E-03	5.39E-04	6.01E-02	1.24E-02	4.80E-01	9.88E-04	9.73E-03	2.28E-04	1.62E-02	1.34E-03	5.90E-01
359.806	4249.729	2.37E-04	7.64E-03	5.07E-04	5.65E-02	1.13E-02	4.53E-01	9.37E-04	9.22E-03	2.15E-04	1.51E-02	1.25E-03	5.56E-01
359.818	4249.667	2.48E-04	8.31E-03	5.40E-04	6.13E-02	1.26E-02	4.96E-01	1.01E-03	9.95E-03	2.30E-04	1.68E-02	1.38E-03	6.08E-01
359.827	4249.617	2.56E-04	8.78E-03	5.64E-04	6.54E-02	1.38E-02	5.27E-01	1.07E-03	1.06E-02	2.41E-04	1.81E-02	1.49E-03	6.47E-01
359.836	4249.56	2.66E-04	9.30E-03	5.90E-04	7.05E-02	1.52E-02	5.27E-01	1.15E-03	1.14E-02	2.53E-04	1.97E-02	1.62E-03	6.57E-01
359.849	4249.506	2.78E-04	9.84E-03	6.18E-04	7.61E-02	1.69E-02	5.27E-01	1.24E-03	1.22E-02	2.66E-04	2.17E-02	1.78E-03	6.67E-01
359.888	4249.439	3.02E-04	1.12E-02	6.86E-04	8.61E-02	2.00E-02	5.86E-01	1.39E-03	1.37E-02	2.96E-04	2.55E-02	2.07E-03	7.46E-01
359.939	4249.397	3.28E-04	1.28E-02	7.70E-04	9.65E-02	2.37E-02	6.95E-01	1.52E-03	1.52E-02	3.35E-04	2.97E-02	2.38E-03	8.77E-01
359.984	4249.373	3.45E-04	1.40E-02	8.35E-04	1.05E-01	2.70E-02	7.77E-01	1.64E-03	1.65E-02	3.64E-04	3.33E-02	2.64E-03	9.78E-01
360.032	4249.325	3.71E-04	1.60E-02	9.42E-04	1.20E-01	3.25E-02	9.36E-01	1.84E-03	1.86E-02	4.13E-04	3.94E-02	3.09E-03	1.17E+00
360.068	4249.275	3.91E-04	1.76E-02	1.02E-03	1.34E-01	3.82E-02	9.77E-01	2.05E-03	2.06E-02	4.49E-04	4.54E-02	3.53E-03	1.24E+00
360.088	4249.225	4.08E-04	1.93E-02	1.09E-03	1.48E-01	4.37E-02	1.05E+00	2.25E-03	2.27E-02	4.85E-04	5.15E-02	3.97E-03	1.35E+00
360.06	4249.18	4.20E-04	2.01E-02	1.10E-03	1.50E-01	4.32E-02	1.06E+00	2.30E-03	2.31E-02	4.96E-04	5.26E-02	4.05E-03	1.36E+00
360.115	4249.143	4.33E-04	2.25E-02	1.20E-03	1.64E-01	5.41E-02	1.21E+00	2.56E-03	2.62E-02	5.50E-04	5.75E-02	4.31E-03	1.54E+00
360.171	4249.034	4.77E-04	3.01E-02	1.52E-03	2.27E-01	8.00E-02	1.96E+00	3.20E-03	3.63E-02	7.18E-04	9.01E-02	6.51E-03	2.44E+00
360.171	4249.149	4.31E-04	2.28E-02	1.26E-03	1.87E-01	6.52E-02	1.39E+00	2.77E-03	2.94E-02	5.68E-04	7.05E-02	5.24E-03	1.77E+00
360.198	4249.204	4.11E-04	2.05E-02	1.20E-03	1.79E-01	6.30E-02	1.33E+00	2.68E-03	2.80E-02	5.29E-04	6.68E-02	4.99E-03	1.70E+00
360.2	4249.26	3.94E-04	1.86E-02	1.13E-03	1.65E-01	5.57E-02	1.20E+00	2.49E-03	2.53E-02	4.91E-04	5.98E-02	4.52E-03	1.54E+00
360.199	4249.312	3.80E-04	1.72E-02	1.07E-03	1.51E-01	4.96E-02	1.10E+00	2.32E-03	2.32E-02	4.59E-04	5.35E-02	4.08E-03	1.40E+00
360.195	4249.375	3.62E-04	1.54E-02	9.87E-04	1.36E-01	4.33E-02	9.76E-01	2.12E-03	2.08E-02	4.19E-04	4.65E-02	3.58E-03	1.24E+00
360.191	4249.427	3.48E-04	1.41E-02	9.21E-04	1.25E-01	3.88E-02	8.85E-01	1.98E-03	1.92E-02	3.87E-04	4.16E-02	3.22E-03	1.13E+00
360.189	4249.503	3.32E-04	1.26E-02	8.49E-04	1.12E-01	3.32E-02	8.07E-01	1.81E-03	1.72E-02	3.52E-04	3.56E-02	2.79E-03	1.02E+00
360.186	4249.569	3.19E-04	1.16E-02	7.97E-04	1.02E-01	2.89E-02	7.60E-01	1.69E-03	1.57E-02	3.29E-04	3.13E-02	2.48E-03	9.55E-01
360.178	4249.644	3.05E-04	1.08E-02	7.53E-04	9.31E-02	2.46E-02	7.47E-01	1.56E-03	1.42E-02	3.10E-04	2.78E-02	2.20E-03	9.22E-01
360.178	4249.719	2.91E-04	9.85E-03	7.04E-04	8.55E-02	2.12E-02	6.95E-01	1.45E-03	1.29E-02	2.88E-04	2.49E-02	1.98E-03	8.53E-01
360.186	4249.823	2.71E-04	8.63E-03	6.40E-04	7.65E-02	1.75E-02	6.03E-01	1.32E-03	1.15E-02	2.59E-04	2.15E-02	1.74E-03	7.42E-01
360.188	4249.929	2.51E-04	7.50E-03	5.75E-04	6.77E-02	1.43E-02	5.07E-01	1.20E-03	1.01E-02	2.30E-04	1.82E-02	1.50E-03	6.29E-01
360.18	4250.032	2.40E-04	6.86E-03	5.39E-04	6.02E-02	1.18E-02	4.78E-01	1.09E-03	8.99E-03	2.14E-04	1.57E-02	1.31E-03	5.84E-01
360.091	4250.02	2.39E-04	6.72E-03	5.22E-04	5.53E-02	1.07E-02	4.26E-01	9.80E-04	8.53E-03	2.08E-04	1.41E-02	1.18E-03	5.24E-01
360.003	4250.007	2.36E-04	6.59E-03	4.92E-04	5.12E-02	9.81E-03	3.89E-01	8.93E-04	8.10E-03	1.98E-04	1.28E-02	1.08E-03	4.80E-01
359.914	4249.995	2.30E-04	6.35E-03	4.59E-04	4.78E-02	8.91E-03	3.60E-01	8.24E-04	7.70E-03	1.88E-04	1.18E-02	1.00E-03	4.45E-01
360.269	4249.127	4.26E-04	2.27E-02	1.33E-03	2.21E-01	1.01E-01	1.81E+00	3.28E-03	3.82E-02	5.87E-04	8.84E-02	6.21E-03	2.29E+00
360.334	4249.128	4.31E-04	2.15E-02	1.33E-03	2.38E-01	1.35E-01	2.07E+00	3.58E-03	4.42E-02	5.80E-04	9.82E-02	6.64E-03	2.62E+00
360.403	4249.137	4.57E-04	1.96E-02	1.30E-03	2.55E-01	1.76E-01	2.18E+00	3.82E-03	5.01E-02	5.57E-04	1.11E-01	7.36E-03	2.80E+00
360.498	4249.157	5.38E-04	1.69E-02	1.23E-03	2.86E-01	2.21E-01	2.02E+00	3.95E-03	5.27E-02	5.17E-04	1.34E-01	9.33E-03	2.75E+00
360.592	4249.185	6.44E-04	1.44E-02	1.15E-03	2.73E-01	1.91E-01	1.58E+00	3.74E-03	4.68E-02	4.77E-04	1.24E-01	8.97E-03	2.24E+00
360.678	4249.21	7.29E-04	1.20E-02	1.02E-03	2.22E-01	1.35E-01	1.15E+00	3.46E-03	3.80E-02	4.21E-04	8.91E-02	6.47E-03	1.66E+00
360.632	4249.294	6.27E-04	1.23E-02	1.01E-03	1.85E-01	1.01E-01	1.08E+00	3.05E-03	2.99E-02	4.18E-04	6.93E-02	5.12E-03	1.49E+00
360.585	4249.378	5.39E-04	1.22E-02	9.86E-04	1.58E-01	7.36E-02	1.03E+00	2.72E-03	2.41E-02	4.05E-04	5.53E-02	4.17E-03	1.36E+00
360.538	4249.462	4.70E-04	1.19E-02	9.36E-04	1.35E-01	5.17E-02	9.57E-01	2.42E-03	1.98E-02	3.85E-04	4.31E-02	3.33E-03	1.23E+00
360.491	4249.545	4.22E-04	1.15E-02	8.88E-04	1.21E-01	4.18E-02	8.81E-01	2.17E-03	1.77E-02	3.66E-04	3.67E-02	2.86E-03	1.12E+00
360.444	4249.629	3.80E-04	1.09E-02	8.27E-04	1.04E-01	2.92E-02	7.80E-01	1.92E-03	1.49E-02	3.41E-04	2.93E-02	2.35E-03	9.74E-01
360.397	4249.713	3.43E-04	1.03E-02	7.69E-04	9.47E-02	2.62E-02	7.09E-01	1.75E-03	1.37E-02	3.17E-04	2.62E-02	2.10E-03	8.85E-01
360.35	4249.797	3.06E-04	9.39E-03	7.00E-04	8.42E-02	2.14E-02	6.27E-01	1.56E-03	1.22E-02	2.87E-04	2.24E-02	1.82E-03	7.81E-01
360.277	4249.8	2.88E-04	9.06E-03	6.75E-04	8.43E-02	2.10E-02	6.18E-01	1.51E-03	1.24E-02	2.74E-04	2.40E-02	1.93E-03	7.74E-01
360.233	4249.168	4.19E-04	2.16E-02	1.27E-03	2.01E-01	7.78E-02	1.55E+00	2.96E-03	3.22E-02	5.58E-04	7.81E-02	5.70E-03	1.97E+00
360.049	4248.941	4.67E-04	3.24E-02	1.52E-03	2.01E-01	4.82E-02	1.92E+00	3.02E-03	2.86E-02	7.49E-04	7.11E-02	5.44E-03	2.31E+00
359.958	4248.92	3.94E-04	2.28E-02	1.14E-03	1.69E-01	3.46E-02	1.23E+00	2.82E-03	2.37E-02	5.43E-04	5.43E-02	4.32E-03	1.55E+00
359.868	4248.894	3.49E-04	2.04E-02	1.03E-03	1.53E-01	2.59E-02	1.31E+00	2.63E-03	2.08E-02	4.89E-04	4.37E-02	3.60E-03	1.58E+00

D-3
CANCER RISKS: TASK 1 DATA
CENTRAL TENDENCY

TASK 1
CUMULATIVE LIFETIME CANCER RISK PER LOCATION
CENTRAL TENDENCY

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
359.832	4249.938	7.36E-07	1.02E-06	7.08E-07	9.42E-08	5.64E-07	3.12E-06
359.84	4249.884	7.68E-07	1.08E-06	7.65E-07	1.03E-07	5.92E-07	3.31E-06
359.86	4249.794	8.44E-07	1.21E-06	8.81E-07	1.21E-07	6.56E-07	3.71E-06
359.875	4249.736	8.97E-07	1.30E-06	9.70E-07	1.35E-07	7.02E-07	4.01E-06
359.806	4249.729	8.43E-07	1.24E-06	9.10E-07	1.22E-07	6.58E-07	3.77E-06
359.818	4249.667	8.96E-07	1.34E-06	1.01E-06	1.36E-07	7.04E-07	4.08E-06
359.827	4249.617	9.34E-07	1.42E-06	1.10E-06	1.49E-07	7.37E-07	4.34E-06
359.836	4249.56	9.77E-07	1.53E-06	1.20E-06	1.64E-07	7.73E-07	4.65E-06
359.849	4249.506	1.02E-06	1.65E-06	1.32E-06	1.82E-07	8.11E-07	4.98E-06
359.888	4249.439	1.13E-06	1.85E-06	1.54E-06	2.16E-07	9.05E-07	5.64E-06
359.939	4249.397	1.27E-06	2.05E-06	1.79E-06	2.55E-07	1.02E-06	6.40E-06
359.984	4249.373	1.38E-06	2.21E-06	2.00E-06	2.91E-07	1.11E-06	7.01E-06
360.032	4249.325	1.56E-06	2.50E-06	2.37E-06	3.50E-07	1.27E-06	8.05E-06
360.068	4249.275	1.69E-06	2.78E-06	2.72E-06	4.12E-07	1.37E-06	8.98E-06
360.088	4249.225	1.81E-06	3.06E-06	3.06E-06	4.72E-07	1.49E-06	9.89E-06
360.06	4249.18	1.82E-06	3.11E-06	3.12E-06	4.66E-07	1.51E-06	1.00E-05
360.115	4249.143	2.00E-06	3.37E-06	3.27E-06	5.84E-07	1.68E-06	1.09E-05
360.171	4249.034	2.53E-06	4.64E-06	5.25E-06	8.60E-07	2.20E-06	1.55E-05
360.171	4249.149	2.10E-06	3.83E-06	4.11E-06	7.04E-07	1.75E-06	1.25E-05
360.198	4249.204	2.01E-06	3.67E-06	3.92E-06	6.79E-07	1.64E-06	1.19E-05
360.2	4249.26	1.90E-06	3.38E-06	3.53E-06	6.00E-07	1.52E-06	1.09E-05
360.199	4249.312	1.80E-06	3.12E-06	3.17E-06	5.34E-07	1.42E-06	1.00E-05
360.195	4249.375	1.66E-06	2.81E-06	2.75E-06	4.66E-07	1.30E-06	8.99E-06
360.191	4249.427	1.55E-06	2.59E-06	2.44E-06	4.18E-07	1.20E-06	8.20E-06
360.189	4249.503	1.43E-06	2.34E-06	2.10E-06	3.59E-07	1.09E-06	7.32E-06
360.186	4249.569	1.34E-06	2.14E-06	1.88E-06	3.13E-07	1.02E-06	6.69E-06
360.178	4249.644	1.27E-06	1.96E-06	1.66E-06	2.66E-07	9.61E-07	6.11E-06
360.178	4249.719	1.18E-06	1.80E-06	1.49E-06	2.31E-07	8.95E-07	5.60E-06
360.186	4249.823	1.08E-06	1.62E-06	1.30E-06	1.91E-07	8.07E-07	5.00E-06
360.188	4249.929	9.71E-07	1.44E-06	1.11E-06	1.56E-07	7.19E-07	4.40E-06
360.18	4250.032	9.11E-07	1.29E-06	9.53E-07	1.29E-07	6.70E-07	3.95E-06
360.091	4250.02	8.75E-07	1.19E-06	8.49E-07	1.17E-07	6.45E-07	3.67E-06
360.003	4250.007	8.19E-07	1.10E-06	7.71E-07	1.07E-07	6.13E-07	3.41E-06
359.914	4249.995	7.68E-07	1.04E-06	7.12E-07	9.72E-08	5.82E-07	3.19E-06
360.269	4249.127	2.22E-06	4.49E-06	4.92E-06	1.09E-06	1.82E-06	1.45E-05
360.334	4249.128	2.22E-06	4.82E-06	5.31E-06	1.46E-06	1.79E-06	1.56E-05
360.403	4249.137	2.18E-06	5.17E-06	6.00E-06	1.90E-06	1.72E-06	1.70E-05
360.498	4249.157	2.06E-06	5.75E-06	7.88E-06	2.39E-06	1.59E-06	1.97E-05
360.592	4249.185	1.92E-06	5.50E-06	7.53E-06	2.06E-06	1.47E-06	1.85E-05
360.678	4249.21	1.71E-06	4.51E-06	5.18E-06	1.46E-06	1.30E-06	1.42E-05
360.632	4249.294	1.70E-06	3.80E-06	4.05E-06	1.10E-06	1.29E-06	1.19E-05
360.585	4249.378	1.65E-06	3.27E-06	3.27E-06	7.96E-07	1.26E-06	1.02E-05
360.538	4249.462	1.58E-06	2.81E-06	2.57E-06	5.60E-07	1.20E-06	8.72E-06
360.491	4249.545	1.50E-06	2.52E-06	2.18E-06	4.54E-07	1.14E-06	7.80E-06
360.444	4249.629	1.40E-06	2.19E-06	1.76E-06	3.18E-07	1.06E-06	6.73E-06
360.397	4249.713	1.30E-06	1.99E-06	1.54E-06	2.84E-07	9.85E-07	6.10E-06
360.35	4249.797	1.18E-06	1.78E-06	1.31E-06	2.32E-07	8.93E-07	5.39E-06
360.277	4249.8	1.14E-06	1.78E-06	1.43E-06	2.29E-07	8.55E-07	5.43E-06
360.233	4249.168	2.12E-06	4.10E-06	4.53E-06	8.39E-07	1.73E-06	1.33E-05
360.049	4248.941	2.50E-06	4.16E-06	4.27E-06	5.15E-07	2.27E-06	1.37E-05
359.958	4248.92	1.87E-06	3.54E-06	3.20E-06	3.68E-07	1.66E-06	1.06E-05
359.868	4248.894	1.70E-06	3.21E-06	2.65E-06	2.76E-07	1.49E-06	9.32E-06
359.743	4248.646	1.49E-06	2.92E-06	1.92E-06	1.68E-07	1.56E-06	8.06E-06
359.749	4248.592	1.46E-06	2.96E-06	1.92E-06	1.61E-07	1.53E-06	8.04E-06
359.754	4248.513	1.29E-06	3.02E-06	1.88E-06	1.49E-07	1.31E-06	7.65E-06
359.751	4248.443	1.25E-06	3.08E-06	1.80E-06	1.34E-07	1.27E-06	7.54E-06
359.839	4248.354	1.65E-06	3.86E-06	2.09E-06	1.39E-07	1.78E-06	9.52E-06
359.934	4248.308	2.62E-06	4.94E-06	2.51E-06	1.55E-07	3.03E-06	1.33E-05
360.03	4248.262	4.96E-06	6.46E-06	2.85E-06	1.68E-07	6.37E-06	2.08E-05
360.23	4248.121	1.48E-05	1.67E-05	3.34E-06	1.46E-07	1.97E-05	5.47E-05
360.196	4248.694	4.89E-06	7.89E-06	8.17E-06	8.66E-07	5.35E-06	2.72E-05
360.188	4248.787	3.71E-06	6.84E-06	7.70E-06	9.63E-07	3.81E-06	2.30E-05
360.186	4248.85	3.25E-06	6.26E-06	7.33E-06	1.00E-06	3.20E-06	2.10E-05
360.187	4248.927	2.96E-06	5.63E-06	6.69E-06	1.01E-06	2.75E-06	1.90E-05
360.728	4248.992	1.71E-06	8.05E-06	1.13E-05	3.13E-06	1.31E-06	2.55E-05

TASK 1
CUMULATIVE ADULT CANCER RISK PER LOCATION
CENTRAL TENDENCY

RECEPTOR		ADULT CANCER RISK					CUMULATIVE ADULT CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
359.832	4249.938	2.73E-07	3.78E-07	4.82E-07	3.49E-08	2.09E-07	1.38E-06
359.84	4249.884	2.85E-07	4.01E-07	5.21E-07	3.82E-08	2.20E-07	1.46E-06
359.86	4249.794	3.13E-07	4.48E-07	6.00E-07	4.48E-08	2.43E-07	1.65E-06
359.875	4249.736	3.32E-07	4.83E-07	6.60E-07	4.99E-08	2.60E-07	1.78E-06
359.806	4249.729	3.12E-07	4.59E-07	6.19E-07	4.52E-08	2.44E-07	1.68E-06
359.818	4249.667	3.32E-07	4.96E-07	6.85E-07	5.03E-08	2.61E-07	1.82E-06
359.827	4249.617	3.46E-07	5.28E-07	7.47E-07	5.51E-08	2.73E-07	1.95E-06
359.836	4249.56	3.62E-07	5.67E-07	8.20E-07	6.09E-08	2.86E-07	2.10E-06
359.849	4249.506	3.79E-07	6.10E-07	8.97E-07	6.75E-08	3.00E-07	2.25E-06
359.888	4249.439	4.20E-07	6.84E-07	1.05E-06	8.00E-08	3.35E-07	2.57E-06
359.939	4249.397	4.72E-07	7.59E-07	1.22E-06	9.45E-08	3.79E-07	2.93E-06
359.984	4249.373	5.13E-07	8.21E-07	1.36E-06	1.08E-07	4.13E-07	3.22E-06
360.032	4249.325	5.80E-07	9.26E-07	1.61E-06	1.30E-07	4.69E-07	3.72E-06
360.068	4249.275	6.26E-07	1.03E-06	1.85E-06	1.53E-07	5.09E-07	4.17E-06
360.088	4249.225	6.70E-07	1.13E-06	2.08E-06	1.75E-07	5.51E-07	4.61E-06
360.06	4249.18	6.73E-07	1.15E-06	2.12E-06	1.73E-07	5.61E-07	4.68E-06
360.115	4249.143	7.40E-07	1.25E-06	2.23E-06	2.16E-07	6.24E-07	5.06E-06
360.171	4249.034	9.38E-07	1.72E-06	3.57E-06	3.19E-07	8.16E-07	7.37E-06
360.171	4249.149	7.79E-07	1.42E-06	2.80E-06	2.61E-07	6.48E-07	5.90E-06
360.198	4249.204	7.46E-07	1.36E-06	2.67E-06	2.52E-07	6.06E-07	5.63E-06
360.2	4249.26	7.05E-07	1.25E-06	2.40E-06	2.22E-07	5.64E-07	5.15E-06
360.199	4249.312	6.66E-07	1.16E-06	2.16E-06	1.98E-07	5.28E-07	4.71E-06
360.195	4249.375	6.15E-07	1.04E-06	1.87E-06	1.73E-07	4.82E-07	4.18E-06
360.191	4249.427	5.73E-07	9.59E-07	1.66E-06	1.55E-07	4.45E-07	3.79E-06
360.189	4249.503	5.29E-07	8.67E-07	1.43E-06	1.33E-07	4.05E-07	3.37E-06
360.186	4249.569	4.97E-07	7.94E-07	1.28E-06	1.16E-07	3.79E-07	3.06E-06
360.178	4249.644	4.69E-07	7.25E-07	1.13E-06	9.88E-08	3.56E-07	2.78E-06
360.178	4249.719	4.39E-07	6.69E-07	1.01E-06	8.55E-08	3.32E-07	2.54E-06
360.186	4249.823	4.00E-07	6.02E-07	8.87E-07	7.08E-08	2.99E-07	2.26E-06
360.188	4249.929	3.60E-07	5.35E-07	7.56E-07	5.79E-08	2.66E-07	1.98E-06
360.18	4250.032	3.38E-07	4.78E-07	6.49E-07	4.79E-08	2.48E-07	1.76E-06
360.091	4250.02	3.24E-07	4.40E-07	5.78E-07	4.34E-08	2.39E-07	1.62E-06
360.003	4250.007	3.04E-07	4.09E-07	5.25E-07	3.98E-08	2.27E-07	1.50E-06
359.914	4249.995	2.85E-07	3.84E-07	4.85E-07	3.60E-08	2.16E-07	1.40E-06
360.269	4249.127	8.22E-07	1.66E-06	3.35E-06	4.06E-07	6.74E-07	6.91E-06
360.334	4249.128	8.24E-07	1.79E-06	3.62E-06	5.39E-07	6.64E-07	7.43E-06
360.403	4249.137	8.07E-07	1.91E-06	4.08E-06	7.05E-07	6.37E-07	8.15E-06
360.498	4249.157	7.62E-07	2.13E-06	5.36E-06	8.84E-07	5.90E-07	9.73E-06
360.592	4249.185	7.11E-07	2.04E-06	5.12E-06	7.64E-07	5.45E-07	9.18E-06
360.678	4249.21	6.35E-07	1.67E-06	3.53E-06	5.41E-07	4.82E-07	6.86E-06
360.632	4249.294	6.29E-07	1.41E-06	2.76E-06	4.06E-07	4.78E-07	5.68E-06
360.585	4249.378	6.13E-07	1.21E-06	2.23E-06	2.95E-07	4.65E-07	4.81E-06
360.538	4249.462	5.85E-07	1.04E-06	1.75E-06	2.07E-07	4.44E-07	4.03E-06
360.491	4249.545	5.57E-07	9.35E-07	1.48E-06	1.68E-07	4.23E-07	3.57E-06
360.444	4249.629	5.19E-07	8.13E-07	1.20E-06	1.18E-07	3.94E-07	3.04E-06
360.397	4249.713	4.82E-07	7.39E-07	1.05E-06	1.05E-07	3.65E-07	2.74E-06
360.35	4249.797	4.38E-07	6.59E-07	8.90E-07	8.61E-08	3.31E-07	2.40E-06
360.277	4249.8	4.22E-07	6.58E-07	9.74E-07	8.47E-08	3.17E-07	2.46E-06
360.233	4249.168	7.87E-07	1.52E-06	3.08E-06	3.11E-07	6.41E-07	6.34E-06
360.049	4248.941	9.25E-07	1.54E-06	2.91E-06	1.91E-07	8.41E-07	6.41E-06
359.958	4248.92	6.94E-07	1.31E-06	2.18E-06	1.36E-07	6.13E-07	4.93E-06
359.868	4248.894	6.29E-07	1.19E-06	1.80E-06	1.02E-07	5.52E-07	4.28E-06
359.743	4248.646	5.52E-07	1.08E-06	1.31E-06	6.21E-08	5.78E-07	3.58E-06
359.749	4248.592	5.41E-07	1.10E-06	1.31E-06	5.98E-08	5.68E-07	3.57E-06
359.754	4248.513	4.78E-07	1.12E-06	1.28E-06	5.53E-08	4.87E-07	3.42E-06
359.751	4248.443	4.64E-07	1.14E-06	1.23E-06	4.97E-08	4.71E-07	3.35E-06
359.839	4248.354	6.11E-07	1.43E-06	1.42E-06	5.17E-08	6.59E-07	4.18E-06
359.934	4248.308	9.71E-07	1.83E-06	1.71E-06	5.75E-08	1.12E-06	5.70E-06
360.03	4248.262	1.84E-06	2.39E-06	1.94E-06	6.23E-08	2.36E-06	8.59E-06
360.23	4248.121	5.49E-06	6.20E-06	2.27E-06	5.41E-08	7.30E-06	2.13E-05
360.196	4248.694	1.81E-06	2.92E-06	5.56E-06	3.21E-07	1.98E-06	1.26E-05
360.188	4248.787	1.37E-06	2.54E-06	5.24E-06	3.57E-07	1.41E-06	1.09E-05
360.186	4248.85	1.21E-06	2.32E-06	4.99E-06	3.71E-07	1.19E-06	1.01E-05
360.187	4248.927	1.10E-06	2.09E-06	4.56E-06	3.73E-07	1.02E-06	9.13E-06
360.728	4248.992	6.33E-07	2.98E-06	7.72E-06	1.16E-06	4.85E-07	1.30E-05

TASK 1
CUMULATIVE CHILD CANCER RISK PER LOCATION
CENTRAL TENDENCY

RECEPTOR		CHILD CANCER RISK					CUMULATIVE CHILD CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
359.832	4249.938	4.63E-07	6.42E-07	8.18E-07	5.93E-08	3.55E-07	2.34E-06
359.84	4249.884	4.84E-07	6.82E-07	8.84E-07	6.48E-08	3.73E-07	2.49E-06
359.86	4249.794	5.31E-07	7.61E-07	1.02E-06	7.60E-08	4.13E-07	2.80E-06
359.875	4249.736	5.64E-07	8.20E-07	1.12E-06	8.47E-08	4.42E-07	3.03E-06
359.806	4249.729	5.30E-07	7.79E-07	1.05E-06	7.67E-08	4.14E-07	2.85E-06
359.818	4249.667	5.64E-07	8.42E-07	1.16E-06	8.55E-08	4.43E-07	3.10E-06
359.827	4249.617	5.88E-07	8.97E-07	1.27E-06	9.35E-08	4.64E-07	3.31E-06
359.836	4249.56	6.15E-07	9.63E-07	1.39E-06	1.03E-07	4.86E-07	3.56E-06
359.849	4249.506	6.44E-07	1.04E-06	1.52E-06	1.15E-07	5.10E-07	3.83E-06
359.888	4249.439	7.14E-07	1.16E-06	1.78E-06	1.36E-07	5.69E-07	4.36E-06
359.939	4249.397	8.02E-07	1.29E-06	2.07E-06	1.61E-07	6.44E-07	4.97E-06
359.984	4249.373	8.71E-07	1.39E-06	2.32E-06	1.83E-07	7.01E-07	5.47E-06
360.032	4249.325	9.85E-07	1.57E-06	2.74E-06	2.20E-07	7.97E-07	6.31E-06
360.068	4249.275	1.06E-06	1.75E-06	3.14E-06	2.59E-07	8.65E-07	7.08E-06
360.088	4249.225	1.14E-06	1.93E-06	3.54E-06	2.97E-07	9.35E-07	7.84E-06
360.06	4249.18	1.14E-06	1.96E-06	3.61E-06	2.93E-07	9.53E-07	7.96E-06
360.115	4249.143	1.26E-06	2.12E-06	3.78E-06	3.68E-07	1.06E-06	8.59E-06
360.171	4249.034	1.59E-06	2.92E-06	6.07E-06	5.42E-07	1.39E-06	1.25E-05
360.171	4249.149	1.32E-06	2.41E-06	4.75E-06	4.43E-07	1.10E-06	1.00E-05
360.198	4249.204	1.27E-06	2.31E-06	4.53E-06	4.27E-07	1.03E-06	9.57E-06
360.2	4249.26	1.20E-06	2.13E-06	4.08E-06	3.78E-07	9.57E-07	8.74E-06
360.199	4249.312	1.13E-06	1.96E-06	3.66E-06	3.36E-07	8.96E-07	7.99E-06
360.195	4249.375	1.04E-06	1.77E-06	3.18E-06	2.93E-07	8.18E-07	7.10E-06
360.191	4249.427	9.74E-07	1.63E-06	2.82E-06	2.63E-07	7.56E-07	6.44E-06
360.189	4249.503	8.98E-07	1.47E-06	2.43E-06	2.26E-07	6.88E-07	5.72E-06
360.186	4249.569	8.43E-07	1.35E-06	2.17E-06	1.97E-07	6.43E-07	5.20E-06
360.178	4249.644	7.96E-07	1.23E-06	1.92E-06	1.68E-07	6.05E-07	4.72E-06
360.178	4249.719	7.45E-07	1.14E-06	1.72E-06	1.45E-07	5.63E-07	4.31E-06
360.186	4249.823	6.79E-07	1.02E-06	1.51E-06	1.20E-07	5.08E-07	3.84E-06
360.188	4249.929	6.11E-07	9.09E-07	1.28E-06	9.84E-08	4.52E-07	3.35E-06
360.18	4250.032	5.73E-07	8.12E-07	1.10E-06	8.13E-08	4.22E-07	2.99E-06
360.091	4250.02	5.51E-07	7.48E-07	9.81E-07	7.37E-08	4.06E-07	2.76E-06
360.003	4250.007	5.16E-07	6.95E-07	8.92E-07	6.75E-08	3.86E-07	2.56E-06
359.914	4249.995	4.83E-07	6.52E-07	8.23E-07	6.12E-08	3.66E-07	2.39E-06
360.269	4249.127	1.40E-06	2.82E-06	5.68E-06	6.89E-07	1.14E-06	1.17E-05
360.334	4249.128	1.40E-06	3.04E-06	6.14E-06	9.16E-07	1.13E-06	1.26E-05
360.403	4249.137	1.37E-06	3.25E-06	6.93E-06	1.20E-06	1.08E-06	1.38E-05
360.498	4249.157	1.29E-06	3.62E-06	9.10E-06	1.50E-06	1.00E-06	1.65E-05
360.592	4249.185	1.21E-06	3.46E-06	8.70E-06	1.30E-06	9.25E-07	1.56E-05
360.678	4249.21	1.08E-06	2.84E-06	5.99E-06	9.18E-07	8.19E-07	1.16E-05
360.632	4249.294	1.07E-06	2.39E-06	4.68E-06	6.90E-07	8.12E-07	9.65E-06
360.585	4249.378	1.04E-06	2.06E-06	3.78E-06	5.01E-07	7.90E-07	8.17E-06
360.538	4249.462	9.94E-07	1.77E-06	2.97E-06	3.52E-07	7.54E-07	6.84E-06
360.491	4249.545	9.46E-07	1.59E-06	2.52E-06	2.86E-07	7.18E-07	6.06E-06
360.444	4249.629	8.81E-07	1.38E-06	2.03E-06	2.00E-07	6.69E-07	5.16E-06
360.397	4249.713	8.18E-07	1.25E-06	1.78E-06	1.79E-07	6.20E-07	4.65E-06
360.35	4249.797	7.44E-07	1.12E-06	1.51E-06	1.46E-07	5.62E-07	4.08E-06
360.277	4249.8	7.16E-07	1.12E-06	1.65E-06	1.44E-07	5.38E-07	4.17E-06
360.233	4249.168	1.34E-06	2.58E-06	5.23E-06	5.28E-07	1.09E-06	1.08E-05
360.049	4248.941	1.57E-06	2.62E-06	4.94E-06	3.24E-07	1.43E-06	1.09E-05
359.958	4248.92	1.18E-06	2.23E-06	3.70E-06	2.32E-07	1.04E-06	8.38E-06
359.868	4248.894	1.07E-06	2.02E-06	3.06E-06	1.74E-07	9.37E-07	7.26E-06
359.743	4248.646	9.37E-07	1.84E-06	2.23E-06	1.06E-07	9.81E-07	6.09E-06
359.749	4248.592	9.19E-07	1.87E-06	2.22E-06	1.02E-07	9.64E-07	6.07E-06
359.754	4248.513	8.12E-07	1.90E-06	2.17E-06	9.39E-08	8.27E-07	5.80E-06
359.751	4248.443	7.88E-07	1.94E-06	2.09E-06	8.44E-08	7.99E-07	5.69E-06
359.839	4248.354	1.04E-06	2.43E-06	2.42E-06	8.77E-08	1.12E-06	7.09E-06
359.934	4248.308	1.65E-06	3.11E-06	2.91E-06	9.77E-08	1.91E-06	9.67E-06
360.03	4248.262	3.12E-06	4.07E-06	3.29E-06	1.06E-07	4.01E-06	1.46E-05
360.23	4248.121	9.33E-06	1.05E-05	3.86E-06	9.19E-08	1.24E-05	3.62E-05
360.196	4248.694	3.08E-06	4.97E-06	9.44E-06	5.45E-07	3.37E-06	2.14E-05
360.188	4248.787	2.33E-06	4.31E-06	8.90E-06	6.06E-07	2.40E-06	1.85E-05
360.186	4248.85	2.05E-06	3.94E-06	8.47E-06	6.30E-07	2.01E-06	1.71E-05
360.187	4248.927	1.86E-06	3.54E-06	7.74E-06	6.33E-07	1.73E-06	1.55E-05
360.728	4248.992	1.08E-06	5.07E-06	1.31E-05	1.97E-06	8.24E-07	2.20E-05

D-4
CANCER RISKS: TASK 3 DATA
CENTRAL TENDENCY

TASK 3
CUMULATIVE LIFETIME CANCER RISK PER LOCATION
CENTRAL TENDENCY

RECEPTOR		LIFETIME CANCER RISK					CUMULATIVE LIFETIME CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
359.832	4249.938	6.90E-07	8.00E-07	1.21E-06	9.10E-08	5.30E-07	3.32E-06
359.84	4249.884	7.22E-07	8.50E-07	1.31E-06	9.97E-08	5.58E-07	3.54E-06
359.86	4249.794	7.96E-07	9.52E-07	1.52E-06	1.17E-07	6.21E-07	4.00E-06
359.875	4249.736	8.48E-07	1.03E-06	1.67E-06	1.31E-07	6.66E-07	4.35E-06
359.806	4249.729	7.98E-07	9.68E-07	1.57E-06	1.19E-07	6.26E-07	4.08E-06
359.818	4249.667	8.50E-07	1.05E-06	1.74E-06	1.32E-07	6.72E-07	4.45E-06
359.827	4249.617	8.87E-07	1.12E-06	1.90E-06	1.45E-07	7.04E-07	4.76E-06
359.836	4249.56	9.28E-07	1.21E-06	2.09E-06	1.60E-07	7.38E-07	5.13E-06
359.849	4249.506	9.74E-07	1.30E-06	2.29E-06	1.77E-07	7.75E-07	5.52E-06
359.888	4249.439	1.08E-06	1.47E-06	2.68E-06	2.11E-07	8.65E-07	6.31E-06
359.939	4249.397	1.21E-06	1.65E-06	3.14E-06	2.49E-07	9.77E-07	7.23E-06
359.984	4249.373	1.31E-06	1.80E-06	3.51E-06	2.84E-07	1.06E-06	7.97E-06
360.032	4249.325	1.48E-06	2.05E-06	4.16E-06	3.41E-07	1.21E-06	9.24E-06
360.068	4249.275	1.60E-06	2.29E-06	4.78E-06	4.02E-07	1.31E-06	1.04E-05
360.088	4249.225	1.71E-06	2.53E-06	5.39E-06	4.60E-07	1.42E-06	1.15E-05
360.06	4249.18	1.73E-06	2.57E-06	5.50E-06	4.55E-07	1.45E-06	1.17E-05
360.115	4249.143	1.89E-06	2.81E-06	5.77E-06	5.69E-07	1.61E-06	1.26E-05
360.171	4249.034	2.40E-06	3.89E-06	9.29E-06	8.41E-07	2.09E-06	1.85E-05
360.171	4249.149	1.98E-06	3.20E-06	7.26E-06	6.86E-07	1.66E-06	1.48E-05
360.198	4249.204	1.89E-06	3.07E-06	6.91E-06	6.62E-07	1.54E-06	1.41E-05
360.2	4249.26	1.78E-06	2.82E-06	6.22E-06	5.86E-07	1.43E-06	1.28E-05
360.199	4249.312	1.68E-06	2.59E-06	5.57E-06	5.21E-07	1.34E-06	1.17E-05
360.195	4249.375	1.55E-06	2.33E-06	4.82E-06	4.55E-07	1.22E-06	1.04E-05
360.191	4249.427	1.45E-06	2.14E-06	4.28E-06	4.08E-07	1.13E-06	9.40E-06
360.189	4249.503	1.34E-06	1.92E-06	3.67E-06	3.49E-07	1.03E-06	8.31E-06
360.186	4249.569	1.26E-06	1.75E-06	3.27E-06	3.04E-07	9.61E-07	7.54E-06
360.178	4249.644	1.19E-06	1.60E-06	2.88E-06	2.58E-07	9.04E-07	6.82E-06
360.178	4249.719	1.11E-06	1.46E-06	2.57E-06	2.23E-07	8.40E-07	6.21E-06
360.186	4249.823	1.01E-06	1.31E-06	2.25E-06	1.84E-07	7.56E-07	5.51E-06
360.188	4249.929	9.05E-07	1.16E-06	1.92E-06	1.50E-07	6.72E-07	4.81E-06
360.18	4250.032	8.48E-07	1.03E-06	1.65E-06	1.24E-07	6.26E-07	4.28E-06
360.091	4250.02	8.21E-07	9.47E-07	1.46E-06	1.12E-07	6.06E-07	3.94E-06
360.003	4250.007	7.74E-07	8.77E-07	1.32E-06	1.03E-07	5.79E-07	3.65E-06
359.914	4249.995	7.23E-07	8.18E-07	1.21E-06	9.37E-08	5.48E-07	3.39E-06
360.269	4249.127	2.09E-06	3.78E-06	8.67E-06	1.07E-06	1.71E-06	1.73E-05
360.334	4249.128	2.10E-06	4.07E-06	9.34E-06	1.42E-06	1.69E-06	1.86E-05
360.403	4249.137	2.05E-06	4.37E-06	1.05E-05	1.85E-06	1.63E-06	2.04E-05
360.498	4249.157	1.94E-06	4.90E-06	1.39E-05	2.32E-06	1.51E-06	2.46E-05
360.592	4249.185	1.81E-06	4.68E-06	1.33E-05	2.01E-06	1.39E-06	2.32E-05
360.678	4249.21	1.61E-06	3.79E-06	9.19E-06	1.41E-06	1.23E-06	1.72E-05
360.632	4249.294	1.60E-06	3.17E-06	7.16E-06	1.07E-06	1.22E-06	1.42E-05
360.585	4249.378	1.55E-06	2.71E-06	5.76E-06	7.74E-07	1.18E-06	1.20E-05
360.538	4249.462	1.47E-06	2.31E-06	4.51E-06	5.43E-07	1.12E-06	9.97E-06
360.491	4249.545	1.40E-06	2.07E-06	3.81E-06	4.40E-07	1.07E-06	8.78E-06
360.444	4249.629	1.30E-06	1.79E-06	3.08E-06	3.07E-07	9.96E-07	7.47E-06
360.397	4249.713	1.21E-06	1.62E-06	2.71E-06	2.75E-07	9.24E-07	6.75E-06
360.35	4249.797	1.10E-06	1.44E-06	2.32E-06	2.25E-07	8.38E-07	5.92E-06
360.277	4249.8	1.06E-06	1.44E-06	2.51E-06	2.21E-07	8.01E-07	6.04E-06
360.233	4249.168	1.99E-06	3.44E-06	7.99E-06	8.18E-07	1.63E-06	1.59E-05
360.049	4248.941	2.40E-06	3.45E-06	7.56E-06	5.07E-07	2.19E-06	1.61E-05
359.958	4248.92	1.79E-06	2.90E-06	5.68E-06	3.64E-07	1.59E-06	1.23E-05
359.868	4248.894	1.63E-06	2.62E-06	4.71E-06	2.73E-07	1.43E-06	1.07E-05
359.743	4248.646	1.43E-06	2.39E-06	3.41E-06	1.66E-07	1.49E-06	8.88E-06
359.749	4248.592	1.40E-06	2.43E-06	3.40E-06	1.60E-07	1.47E-06	8.85E-06
359.754	4248.513	1.25E-06	2.47E-06	3.33E-06	1.48E-07	1.29E-06	8.48E-06
359.751	4248.443	1.22E-06	2.53E-06	3.19E-06	1.33E-07	1.25E-06	8.33E-06
359.839	4248.354	1.62E-06	3.18E-06	3.69E-06	1.38E-07	1.76E-06	1.04E-05
359.934	4248.308	2.60E-06	4.03E-06	4.42E-06	1.53E-07	3.00E-06	1.42E-05
360.03	4248.262	4.87E-06	5.22E-06	4.97E-06	1.66E-07	6.26E-06	2.15E-05
360.23	4248.121	1.44E-05	1.36E-05	5.54E-06	1.43E-07	1.91E-05	5.27E-05
360.196	4248.694	4.68E-06	6.72E-06	1.46E-05	8.49E-07	5.12E-06	3.19E-05
360.188	4248.787	3.54E-06	5.81E-06	1.37E-05	9.46E-07	3.65E-06	2.77E-05
360.186	4248.85	3.10E-06	5.30E-06	1.30E-05	9.82E-07	3.06E-06	2.55E-05
360.187	4248.927	2.82E-06	4.75E-06	1.19E-05	9.89E-07	2.62E-06	2.30E-05
360.728	4248.992	1.60E-06	6.98E-06	2.01E-05	3.02E-06	1.23E-06	3.29E-05

TASK 3
CUMULATIVE ADULT CANCER RISK PER LOCATION
CENTRAL TENDENCY

RECEPTOR		ADULT CANCER RISK					CUMULATIVE ADULT CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
359.832	4249.938	2.56E-07	2.96E-07	4.47E-07	3.37E-08	1.96E-07	1.23E-06
359.84	4249.884	2.68E-07	3.15E-07	4.85E-07	3.69E-08	2.07E-07	1.31E-06
359.86	4249.794	2.95E-07	3.53E-07	5.62E-07	4.35E-08	2.30E-07	1.48E-06
359.875	4249.736	3.14E-07	3.81E-07	6.21E-07	4.85E-08	2.47E-07	1.61E-06
359.806	4249.729	2.96E-07	3.59E-07	5.83E-07	4.39E-08	2.32E-07	1.51E-06
359.818	4249.667	3.15E-07	3.89E-07	6.46E-07	4.90E-08	2.49E-07	1.65E-06
359.827	4249.617	3.29E-07	4.15E-07	7.06E-07	5.36E-08	2.61E-07	1.76E-06
359.836	4249.56	3.44E-07	4.48E-07	7.75E-07	5.93E-08	2.74E-07	1.90E-06
359.849	4249.506	3.61E-07	4.83E-07	8.49E-07	6.58E-08	2.87E-07	2.05E-06
359.888	4249.439	4.00E-07	5.46E-07	9.92E-07	7.81E-08	3.21E-07	2.34E-06
359.939	4249.397	4.49E-07	6.13E-07	1.16E-06	9.23E-08	3.62E-07	2.68E-06
359.984	4249.373	4.87E-07	6.67E-07	1.30E-06	1.05E-07	3.94E-07	2.95E-06
360.032	4249.325	5.50E-07	7.59E-07	1.54E-06	1.27E-07	4.47E-07	3.42E-06
360.068	4249.275	5.94E-07	8.49E-07	1.77E-06	1.49E-07	4.85E-07	3.85E-06
360.088	4249.225	6.35E-07	9.37E-07	2.00E-06	1.70E-07	5.25E-07	4.26E-06
360.06	4249.18	6.40E-07	9.53E-07	2.04E-06	1.69E-07	5.36E-07	4.34E-06
360.115	4249.143	7.02E-07	1.04E-06	2.14E-06	2.11E-07	5.95E-07	4.68E-06
360.171	4249.034	8.88E-07	1.44E-06	3.44E-06	3.12E-07	7.76E-07	6.86E-06
360.171	4249.149	7.34E-07	1.19E-06	2.69E-06	2.54E-07	6.14E-07	5.48E-06
360.198	4249.204	7.01E-07	1.14E-06	2.56E-06	2.45E-07	5.72E-07	5.22E-06
360.2	4249.26	6.61E-07	1.05E-06	2.30E-06	2.17E-07	5.31E-07	4.76E-06
360.199	4249.312	6.24E-07	9.62E-07	2.06E-06	1.93E-07	4.97E-07	4.34E-06
360.195	4249.375	5.76E-07	8.64E-07	1.79E-06	1.69E-07	4.53E-07	3.85E-06
360.191	4249.427	5.37E-07	7.93E-07	1.58E-06	1.51E-07	4.19E-07	3.48E-06
360.189	4249.503	4.95E-07	7.12E-07	1.36E-06	1.29E-07	3.81E-07	3.08E-06
360.186	4249.569	4.65E-07	6.50E-07	1.21E-06	1.13E-07	3.56E-07	2.79E-06
360.178	4249.644	4.39E-07	5.91E-07	1.07E-06	9.57E-08	3.35E-07	2.53E-06
360.178	4249.719	4.11E-07	5.43E-07	9.53E-07	8.27E-08	3.11E-07	2.30E-06
360.186	4249.823	3.74E-07	4.86E-07	8.34E-07	6.83E-08	2.80E-07	2.04E-06
360.188	4249.929	3.35E-07	4.30E-07	7.13E-07	5.58E-08	2.49E-07	1.78E-06
360.18	4250.032	3.14E-07	3.82E-07	6.12E-07	4.59E-08	2.32E-07	1.59E-06
360.091	4250.02	3.04E-07	3.51E-07	5.40E-07	4.16E-08	2.25E-07	1.46E-06
360.003	4250.007	2.87E-07	3.25E-07	4.87E-07	3.82E-08	2.14E-07	1.35E-06
359.914	4249.995	2.68E-07	3.03E-07	4.49E-07	3.47E-08	2.03E-07	1.26E-06
360.269	4249.127	7.73E-07	1.40E-06	3.21E-06	3.95E-07	6.35E-07	6.42E-06
360.334	4249.128	7.77E-07	1.51E-06	3.46E-06	5.26E-07	6.27E-07	6.90E-06
360.403	4249.137	7.61E-07	1.62E-06	3.91E-06	6.86E-07	6.03E-07	7.58E-06
360.498	4249.157	7.19E-07	1.82E-06	5.16E-06	8.60E-07	5.59E-07	9.12E-06
360.592	4249.185	6.70E-07	1.73E-06	4.95E-06	7.44E-07	5.16E-07	8.61E-06
360.678	4249.21	5.97E-07	1.41E-06	3.40E-06	5.24E-07	4.55E-07	6.39E-06
360.632	4249.294	5.92E-07	1.18E-06	2.65E-06	3.95E-07	4.52E-07	5.27E-06
360.585	4249.378	5.75E-07	1.00E-06	2.14E-06	2.87E-07	4.38E-07	4.44E-06
360.538	4249.462	5.46E-07	8.58E-07	1.67E-06	2.01E-07	4.16E-07	3.69E-06
360.491	4249.545	5.18E-07	7.66E-07	1.41E-06	1.63E-07	3.96E-07	3.26E-06
360.444	4249.629	4.82E-07	6.63E-07	1.14E-06	1.14E-07	3.69E-07	2.77E-06
360.397	4249.713	4.48E-07	6.02E-07	1.01E-06	1.02E-07	3.42E-07	2.50E-06
360.35	4249.797	4.08E-07	5.34E-07	8.59E-07	8.33E-08	3.10E-07	2.20E-06
360.277	4249.8	3.94E-07	5.35E-07	9.32E-07	8.19E-08	2.97E-07	2.24E-06
360.233	4249.168	7.39E-07	1.27E-06	2.96E-06	3.03E-07	6.04E-07	5.88E-06
360.049	4248.941	8.88E-07	1.28E-06	2.80E-06	1.88E-07	8.10E-07	5.96E-06
359.958	4248.92	6.64E-07	1.08E-06	2.10E-06	1.35E-07	5.88E-07	4.57E-06
359.868	4248.894	6.02E-07	9.72E-07	1.75E-06	1.01E-07	5.29E-07	3.95E-06
359.743	4248.646	5.28E-07	8.87E-07	1.26E-06	6.15E-08	5.51E-07	3.29E-06
359.749	4248.592	5.20E-07	8.99E-07	1.26E-06	5.92E-08	5.45E-07	3.28E-06
359.754	4248.513	4.64E-07	9.14E-07	1.23E-06	5.47E-08	4.78E-07	3.14E-06
359.751	4248.443	4.52E-07	9.39E-07	1.18E-06	4.93E-08	4.64E-07	3.09E-06
359.839	4248.354	6.02E-07	1.18E-06	1.37E-06	5.11E-08	6.52E-07	3.85E-06
359.934	4248.308	9.62E-07	1.49E-06	1.64E-06	5.69E-08	1.11E-06	5.26E-06
360.03	4248.262	1.80E-06	1.93E-06	1.84E-06	6.15E-08	2.32E-06	7.96E-06
360.23	4248.121	5.32E-06	5.03E-06	2.05E-06	5.31E-08	7.07E-06	1.95E-05
360.196	4248.694	1.73E-06	2.49E-06	5.40E-06	3.15E-07	1.90E-06	1.18E-05
360.188	4248.787	1.31E-06	2.15E-06	5.09E-06	3.51E-07	1.35E-06	1.03E-05
360.186	4248.85	1.15E-06	1.96E-06	4.83E-06	3.64E-07	1.13E-06	9.44E-06
360.187	4248.927	1.04E-06	1.76E-06	4.39E-06	3.66E-07	9.71E-07	8.53E-06
360.728	4248.992	5.92E-07	2.59E-06	7.45E-06	1.12E-06	4.55E-07	1.22E-05

TASK 3
CUMULATIVE CHILD CANCER RISK PER LOCATION
CENTRAL TENDENCY

RECEPTOR		CHILD CANCER RISK					CUMULATIVE CHILD CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
359.832	4249.938	4.34E-07	5.03E-07	7.59E-07	5.73E-08	3.33E-07	2.09E-06
359.84	4249.884	4.54E-07	5.35E-07	8.24E-07	6.27E-08	3.51E-07	2.23E-06
359.86	4249.794	5.01E-07	5.99E-07	9.55E-07	7.38E-08	3.91E-07	2.52E-06
359.875	4249.736	5.34E-07	6.48E-07	1.05E-06	8.24E-08	4.19E-07	2.74E-06
359.806	4249.729	5.03E-07	6.09E-07	9.90E-07	7.46E-08	3.94E-07	2.57E-06
359.818	4249.667	5.35E-07	6.61E-07	1.10E-06	8.32E-08	4.23E-07	2.80E-06
359.827	4249.617	5.59E-07	7.06E-07	1.20E-06	9.10E-08	4.43E-07	3.00E-06
359.836	4249.56	5.84E-07	7.60E-07	1.32E-06	1.01E-07	4.65E-07	3.23E-06
359.849	4249.506	6.13E-07	8.20E-07	1.44E-06	1.12E-07	4.88E-07	3.47E-06
359.888	4249.439	6.80E-07	9.28E-07	1.69E-06	1.33E-07	5.44E-07	3.97E-06
359.939	4249.397	7.63E-07	1.04E-06	1.97E-06	1.57E-07	6.15E-07	4.55E-06
359.984	4249.373	8.27E-07	1.13E-06	2.21E-06	1.79E-07	6.69E-07	5.02E-06
360.032	4249.325	9.34E-07	1.29E-06	2.62E-06	2.15E-07	7.59E-07	5.81E-06
360.068	4249.275	1.01E-06	1.44E-06	3.01E-06	2.53E-07	8.24E-07	6.54E-06
360.088	4249.225	1.08E-06	1.59E-06	3.39E-06	2.90E-07	8.91E-07	7.24E-06
360.06	4249.18	1.09E-06	1.62E-06	3.46E-06	2.86E-07	9.11E-07	7.36E-06
360.115	4249.143	1.19E-06	1.77E-06	3.63E-06	3.58E-07	1.01E-06	7.96E-06
360.171	4249.034	1.51E-06	2.45E-06	5.85E-06	5.29E-07	1.32E-06	1.16E-05
360.171	4249.149	1.25E-06	2.02E-06	4.57E-06	4.31E-07	1.04E-06	9.30E-06
360.198	4249.204	1.19E-06	1.93E-06	4.35E-06	4.17E-07	9.71E-07	8.86E-06
360.2	4249.26	1.12E-06	1.78E-06	3.91E-06	3.69E-07	9.03E-07	8.08E-06
360.199	4249.312	1.06E-06	1.63E-06	3.51E-06	3.28E-07	8.44E-07	7.37E-06
360.195	4249.375	9.78E-07	1.47E-06	3.03E-06	2.86E-07	7.70E-07	6.53E-06
360.191	4249.427	9.12E-07	1.35E-06	2.69E-06	2.57E-07	7.12E-07	5.92E-06
360.189	4249.503	8.41E-07	1.21E-06	2.31E-06	2.20E-07	6.48E-07	5.23E-06
360.186	4249.569	7.90E-07	1.10E-06	2.06E-06	1.91E-07	6.05E-07	4.75E-06
360.178	4249.644	7.46E-07	1.00E-06	1.81E-06	1.63E-07	5.69E-07	4.29E-06
360.178	4249.719	6.98E-07	9.22E-07	1.62E-06	1.40E-07	5.29E-07	3.91E-06
360.186	4249.823	6.34E-07	8.25E-07	1.42E-06	1.16E-07	4.76E-07	3.47E-06
360.188	4249.929	5.70E-07	7.30E-07	1.21E-06	9.47E-08	4.23E-07	3.03E-06
360.18	4250.032	5.34E-07	6.49E-07	1.04E-06	7.80E-08	3.94E-07	2.69E-06
360.091	4250.02	5.17E-07	5.96E-07	9.17E-07	7.06E-08	3.82E-07	2.48E-06
360.003	4250.007	4.87E-07	5.52E-07	8.28E-07	6.49E-08	3.64E-07	2.30E-06
359.914	4249.995	4.55E-07	5.15E-07	7.62E-07	5.90E-08	3.45E-07	2.14E-06
360.269	4249.127	1.31E-06	2.38E-06	5.46E-06	6.71E-07	1.08E-06	1.09E-05
360.334	4249.128	1.32E-06	2.56E-06	5.88E-06	8.93E-07	1.07E-06	1.17E-05
360.403	4249.137	1.29E-06	2.75E-06	6.64E-06	1.17E-06	1.02E-06	1.29E-05
360.498	4249.157	1.22E-06	3.08E-06	8.77E-06	1.46E-06	9.50E-07	1.55E-05
360.592	4249.185	1.14E-06	2.94E-06	8.40E-06	1.26E-06	8.76E-07	1.46E-05
360.678	4249.21	1.01E-06	2.39E-06	5.78E-06	8.90E-07	7.73E-07	1.08E-05
360.632	4249.294	1.01E-06	2.00E-06	4.51E-06	6.71E-07	7.67E-07	8.95E-06
360.585	4249.378	9.77E-07	1.71E-06	3.63E-06	4.87E-07	7.44E-07	7.54E-06
360.538	4249.462	9.27E-07	1.46E-06	2.84E-06	3.42E-07	7.07E-07	6.27E-06
360.491	4249.545	8.80E-07	1.30E-06	2.40E-06	2.77E-07	6.72E-07	5.53E-06
360.444	4249.629	8.19E-07	1.13E-06	1.94E-06	1.93E-07	6.27E-07	4.70E-06
360.397	4249.713	7.62E-07	1.02E-06	1.71E-06	1.73E-07	5.82E-07	4.25E-06
360.35	4249.797	6.94E-07	9.08E-07	1.46E-06	1.41E-07	5.27E-07	3.73E-06
360.277	4249.8	6.69E-07	9.08E-07	1.58E-06	1.39E-07	5.04E-07	3.80E-06
360.233	4249.168	1.26E-06	2.17E-06	5.03E-06	5.15E-07	1.03E-06	9.99E-06
360.049	4248.941	1.51E-06	2.17E-06	4.76E-06	3.19E-07	1.38E-06	1.01E-05
359.958	4248.92	1.13E-06	1.83E-06	3.57E-06	2.29E-07	9.98E-07	7.75E-06
359.868	4248.894	1.02E-06	1.65E-06	2.96E-06	1.72E-07	8.98E-07	6.71E-06
359.743	4248.646	8.97E-07	1.51E-06	2.14E-06	1.04E-07	9.36E-07	5.59E-06
359.749	4248.592	8.83E-07	1.53E-06	2.14E-06	1.01E-07	9.25E-07	5.57E-06
359.754	4248.513	7.89E-07	1.55E-06	2.09E-06	9.29E-08	8.11E-07	5.34E-06
359.751	4248.443	7.68E-07	1.59E-06	2.01E-06	8.36E-08	7.88E-07	5.24E-06
359.839	4248.354	1.02E-06	2.00E-06	2.32E-06	8.68E-08	1.11E-06	6.54E-06
359.934	4248.308	1.63E-06	2.54E-06	2.78E-06	9.66E-08	1.89E-06	8.94E-06
360.03	4248.262	3.06E-06	3.28E-06	3.13E-06	1.04E-07	3.94E-06	1.35E-05
360.23	4248.121	9.03E-06	8.55E-06	3.49E-06	9.02E-08	1.20E-05	3.32E-05
360.196	4248.694	2.94E-06	4.23E-06	9.17E-06	5.34E-07	3.22E-06	2.01E-05
360.188	4248.787	2.23E-06	3.66E-06	8.65E-06	5.95E-07	2.29E-06	1.74E-05
360.186	4248.85	1.95E-06	3.34E-06	8.20E-06	6.18E-07	1.92E-06	1.60E-05
360.187	4248.927	1.77E-06	2.99E-06	7.46E-06	6.22E-07	1.65E-06	1.45E-05
360.728	4248.992	1.01E-06	4.39E-06	1.26E-05	1.90E-06	7.72E-07	2.07E-05

Appendix E

ACUTE SCREENING RESULTS FOR TASK 1, TASK 2 (EPISODE 1 THOUGH 10) AND TASK 3 DATA

Table E-1
Screening Values for Comparison with 24 hour samples

Contaminant	Source of Screening Value	Original Screening Value not adjusted for time-- ug/m3	Time Period of Original Screening Value (hours)	n of chemical	Final screening value for 24 hour comparison-- ug/m3	Source of n Value
Acrylic Acid	CAL REL	6.0E+03	1	1	2.50E+02	CAL REL
Ammonia	ATSDR MRLs	3.5E+02	24	NA	3.5E+02	
Anthracene	No Source	NA	NA	NA	None	
Antimony	No Source	NA	NA	NA	None	
Arsenic	CAL REL	1.9E-01	4	1	3.2E-02	CAL REL
Benzene	ATSDR MRLs	1.6E+02	24	NA	1.6E+02	
Biphenyl	No Source	NA	NA	NA	None	
1,3-Butadiene	AIHA ERPG	2.2E+04	1	1	9.2E+02	Default
Calcium oxides	No Source	NA	NA	NA	None	
Carbon Tetrachloride	ATSDR MRLs	1.3E+03	24	NA	1.3E+03	
Chlorine	CAL REL	2.1E+02	1	2.8	6.75E+01	CAL REL
Chrysene	No Source	NA	NA	NA	None	
Cumene	No Source	NA	NA	NA	None	
Cyclohexane	No Source	NA	NA	NA	None	
Dichloromethane	ATSDR MRLs	1.0E+04	24	NA	1.0E+04	
Ethyl benzene	No Source	NA	NA	NA	None	
Ethylene	No Source	NA	NA	NA	None	
Furfural	No Source	NA	NA	NA	None	
n-Hexane	No Source	NA	NA	NA	None	
Hydrogen chloride	CAL REL	2.1E+03	1	1.5	2.52E+02	CAL REL
Hydrogen fluoride	CAL REL	2.4E+02	1	2	4.90E+01	CAL REL
Maleic Anhydride	No Source	NA	NA	NA	None	
Manganese	No Source	NA	NA	NA	None	
Methanol	CAL REL	2.8E+04	1	1	1.2E+03	CAL REL
Methyl Tertiary Butyl Ether (MTBE)	ATSDR MRLs	7.2E+03	24	NA	7.2E+03	
Napthalene	No Source	NA	NA	NA	None	
Nickel	CAL REL	6.0E+00	1	1	2.50E-01	CAL REL
Nonane	No Source	NA	NA	NA	None	
Propylene	No Source	NA	NA	NA	None	
Styrene	CAL REL	2.1E+04	1	1	8.75E+02	CAL REL
Titanium dioxide	No Source	NA	NA	NA	None	
Toluene	ATSDR MRLs	1.5E+04	24	NA	1.5E+04	
1,1,1-trichloroethane	ATSDR MRLs	1.1E+04	24	NA	1.1E+04	
1,2,4-trimethylbenzene	No Source	NA	NA	NA	None	
Xylenes (mixed)	ATSDR MRLs	4.3E+03	24	NA	4.3E+03	

Notes:

Haber's Law conversion: Shorter period to longer period

Concentration-final= $((\text{Concentration-initial})^{n} * \text{Time-initial}/\text{Time-final})^{1/n}$

n values: Sources of n values are presented.
Where sources were not available, guidance in CAL REL publication was used to determine default values.

Table E-2
Screening Values for Comparison with 1 Hour Samples

Contaminant	Source of Screening Value	Original Screening Value not adjusted for time-- ug/m3	Time Period of Original Screening Value (hours)	n of chemical	Final screening value for 1 hour comparison-- ug/m3	Notes/Synonyms
Acrylic Acid	CAL REL	6.0E+03	1	1	6.00E+03	CAL REL
Ammonia	CAL REL	3.2E+03	1	1	3.20E+03	CAL REL
Anthracene	DOE TEEL	6.0E+03	0.25	1	1.5E+03	Default
Antimony	DOE TEEL	1.5E+03	0.25	1	3.8E+02	Default
Arsenic	CAL REL	1.9E-01	4	NA	1.90E-01	CAL REL
Benzene	CAL REL	1.3E+03	6	2	1.30E+03	CAL REL
Biphenyl	No Source	NA	NA	NA	None	
1,3-Butadiene	AIHA ERPG	2.2E+04	1	NA	2.21E+04	
Calcium oxides	DOE TEEL	5.0E+03	0.25	1	1.3E+03	Default
Carbon Tetrachloride	CAL REL	1.9E+03	7	2.8	1.90E+03	CAL REL
Chlorine (C12)	CAL REL	2.1E+02	1	2.8	2.10E+02	CAL REL
Chrysene	DOE TEEL	6.0E+02	0.25	1	1.5E+02	Default
Cumene	DOE TEEL	2.5E+05	0.25	1	6.1E+04	Default
Cyclohexane	DOE TEEL	3.1E+06	0.25	1	7.7E+05	Default
Dichloromethane	CAL REL	1.4E+04	1	NA	1.40E+04	CAL REL
Ethyl benzene	DOE TEEL	5.4E+05	0.25	1	1.4E+05	Default
Ethylene	No Source	NA	NA	NA	None	
Furfural	DOE TEEL	7.9E+03	0.25	1	2.0E+03	Default
n-Hexane	DOE TEEL	5.3E+05	0.25	1	1.3E+05	Default
Hydrogen chloride	CAL REL	2.1E+03	1	1.5	2.10E+03	CAL REL
Hydrogen fluoride	CAL REL	2.4E+02	1	2	2.40E+02	CAL REL
Maleic Anhydride	DOE TEEL	3.0E+03	0.25	1	7.5E+02	Default
Manganese	DOE TEEL	3.0E+03	0.25	1	7.5E+02	Default
Methanol	AIHA ERPG	2.6E+05	1	NA	2.62E+05	
Methyl Tertiary Butyl Ether (MBTE)	DOE TEEL	4.3E+05	0.25	2	2.16E+05	Default
Napthalene	DOE TEEL	7.9E+04	0.25	1	2.0E+04	Default
Nickel	CAL REL	6.0E+00	1	NA	6.00E+00	CAL REL
Nonane	DOE TEEL	1.0E+06	0.25	1	2.6E+05	Default
Propylene	No Source	NA	NA	NA	None	
Styrene	CAL REL	2.1E+04	1	NA	2.10E+04	CAL REL
Titanium dioxide	No Source	NA	NA	NA	None	
Toluene	CAL REL	3.7E+04	1	2.5	3.70E+04	CAL REL
1,1,1-trichloroethane	DOE TEEL	1.9E+06	0.25	1	4.8E+05	Default
1,2,4-trimethylbenzene	DOE TEEL	1.8E+05	0.25	1	4.5E+04	Default
Xylenes (mixed)	CAL REL	2.2E+04	1	NA	2.20E+04	CAL REL

Notes:

Haber's Law conversion: Shorter period to longer period

Concentration-final= $((\text{Concentration-initial})^{n} * \text{Time-initial}/\text{Time-final})^{1/n}$

n values: Sources of n values are presented. Where sources were not available, guidance in CAL REL publication was used to determine default values.

Table E-1.1
Tri-State Acute Air Modeling
Task 1- 1 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	2.57E+00	6.00E+03	N	N
Ammonia (NH3)	1.05E+02	3.20E+03	N	N
Anthracene	7.55E+01	1.50E+03	N	N
Antimony	1.20E+00	3.75E+02	N	N
Arsenic	1.52E+00	1.90E-01	Y	Y
Benzene	5.16E+03	1.30E+03	Y	Y
Biphenyl	7.84E+00	None	NA	NA
1,3-Butadiene	1.65E+01	2.21E+04	N	N
Calcium Oxides	1.80E+02	1.25E+03	N	N
Carbon Tetrachloride	6.29E+01	1.90E+03	N	N
Chrysene	2.69E+00	1.50E+02	N	N
Chlorine (Cl2)	1.76E+02	2.10E+02	N	N
Cumene	2.56E+03	6.14E+04	N	N
Cyclohexane	1.86E+02	7.74E+05	N	N
Dichloromethane	2.25E+02	1.40E+04	N	N
Ethylbenzene	3.91E+02	1.36E+05	N	N
Ethylene	6.32E+01	None	NA	NA
Furfural	5.47E+02	1.98E+03	N	N
n-Hexane	1.39E+02	1.32E+05	N	N
Hydrogen Fluoride	1.24E+01	2.40E+02	N	N
Hydrogen Chloride	1.40E+03	2.10E+03	N	N
Maleic Anhydride	1.48E+02	7.50E+02	N	N
Manganese	1.51E-01	7.50E+02	N	N
Methanol	9.07E+01	2.62E+05	N	N
Methyl Tertiary Butyl Ether (MTBE)	1.80E+02	2.16E+05	N	N
Naphthalene	3.73E+02	1.97E+04	N	N
Nickel	7.56E+01	6.00E+00	Y	Y
Nonane	5.91E+00	2.62E+05	N	N
Propylene	1.81E+03	None	NA	NA
Styrene	1.41E+01	2.10E+04	N	N
1,1,1-Trichloroethane	5.07E+01	4.77E+05	N	N
Titanium Dioxide	1.52E+01	None	NA	NA
1,2,4-Trimethylbenzene	2.10E+02	4.50E+04	N	N
Toluene	2.14E+03	3.70E+04	N	N
Xylene	1.91E+03	2.20E+04	N	N

Table E-1.2
Tri-State Acute Air Modeling
Task 2-Episode 1 1 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	3.70E-01	6.00E+03	N	N
Ammonia (NH3)	1.98E+01	3.20E+03	N	N
Anthracene	1.37E+02	1.50E+03	N	N
Antimony	5.96E+01	3.75E+02	N	N
Arsenic	1.19E+00	1.90E-01	Y	Y
Benzene	2.22E+01	1.30E+03	N	N
Biphenyl	6.86E+00	None	NA	NA
1,3-Butadiene	1.39E+01	2.21E+04	N	N
Calcium Oxides	1.80E+02	1.25E+03	N	N
Carbon Tetrachloride	5.65E+01	1.90E+03	N	N
Chrysene	1.26E+00	1.50E+02	N	N
Chlorine (Cl2)	9.63E+01	2.10E+02	N	N
Cumene	2.15E+03	6.14E+04	N	N
Cyclohexane	1.62E+02	7.74E+05	N	N
Dichloromethane	1.76E+02	1.40E+04	N	N
Ethylbenzene	3.41E+02	1.36E+05	N	N
Ethylene	3.08E+01	None	NA	NA
Furfural	3.88E+02	1.98E+03	N	N
n-Hexane	1.02E+02	1.32E+05	N	N
Hydrogen Fluoride	8.73E+00	2.40E+02	N	N
Hydrogen Chloride	1.94E+00	2.10E+03	N	N
Maleic Anhydride	6.69E+01	7.50E+02	N	N
Manganese	1.51E-01	7.50E+02	N	N
Methanol	4.33E+01	2.62E+05	N	N
Methyl Tertiary Butyl Ether (MTBE)	1.56E+02	2.16E+05	N	N
Naphthalene	1.83E+02	1.97E+04	N	N
Nickel	5.96E+01	6.00E+00	Y	Y
Nonane	5.28E+00	2.62E+05	N	N
Propylene	7.07E+02	None	NA	NA
Styrene	5.78E+00	2.10E+04	N	N
1,1,1-Trichloroethane	4.90E+01	4.77E+05	N	N
Titanium Dioxide	2.89E+00	None	N	N
1,2,4-Trimethylbenzene	1.86E+02	4.50E+04	N	N
Toluene	1.86E+03	3.70E+04	N	N
Xylene	1.48E+03	2.20E+04	N	N

Table E-1.3
Tri-State Acute Air Modeling
Task 2-Episode 1 24 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	2.02E-02	2.50E+02	N	N
Ammonia (NH3)	1.18E+00	3.5E+02	N	N
Anthracene	1.97E+01	None	NA	NA
Antimony	5.19E+00	None	NA	NA
Arsenic	**1.09E-01**	**3.17E-02**	**Y**	**Y**
Benzene	**5.41E+02**	**1.60E+02**	**Y**	**Y**
Biphenyl	1.41E+00	None	NA	NA
1,3-Butadiene	1.49E+00	9.17E+02	N	N
Calcium Oxides	1.52E+01	None	NA	NA
Carbon Tetrachloride	8.62E+00	1.3E+03	N	N
Chrysene	2.19E-01	None	NA	NA
Chlorine (Cl2)	8.51E+00	6.75E+01	N	N
Cumene	1.04E+02	None	NA	NA
Cyclohexane	4.24E+01	None	NA	NA
Dichloromethane	1.27E+01	1.0E+04	N	N
Ethylbenzene	8.75E+01	None	NA	NA
Ethylene	3.74E+00	None	NA	NA
Furfural	3.93E+01	None	NA	NA
n-Hexane	1.33E+01	None	NA	NA
Hydrogen Fluoride	4.05E-01	4.90E+01	N	N
Hydrogen Chloride	9.74E-02	2.52E+02	N	N
Maleic Anhydride	9.66E+00	None	NA	NA
Manganese	7.79E-03	None	NA	NA
Methanol	2.39E+00	1.2E+03	N	N
Methyl Tertiary Butyl Ether (MTBE)	3.09E+01	7.2E+03	N	N
Naphthalene	2.63E+01	None	NA	NA
Nickel	**6.21E+00**	**2.50E-01**	**Y**	**Y**
Nonane	6.37E-01	None	NA	NA
Propylene	1.03E+02	None	NA	NA
Styrene	9.58E-01	8.75E+02	N	N
1,1,1-Trichloroethane	8.96E+00	1.1E+04	N	N
Titanium Dioxide	1.70E-01	None	NA	NA
1,2,4-Trimethylbenzene	4.69E+01	None	NA	NA
Toluene	4.86E+02	1.5E+04	N	N
Xylene	4.19E+02	4.3E+03	N	N

Table E-1.4
Tri-State Acute Air Modeling
Task 2-Episode 2 1 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	1.53E-01	6.00E+03	N	N
Ammonia (NH3)	2.53E+01	3.20E+03	N	N
Anthracene	1.24E+02	1.50E+03	N	N
Antimony	3.41E+01	3.75E+02	N	N
Arsenic	6.84E-01	1.90E-01	Y	Y
Benzene	7.40E+02	1.30E+03	N	N
Biphenyl	6.57E+00	None	NA	NA
1,3-Butadiene	7.03E+00	2.21E+04	N	N
Calcium Oxides	1.37E+02	1.25E+03	N	N
Carbon Tetrachloride	5.55E+01	1.90E+03	N	N
Chrysene	3.44E-01	1.50E+02	N	N
Chlorine (Cl2)	3.07E+01	2.10E+02	N	N
Cumene	2.18E+02	6.14E+04	N	N
Cyclohexane	5.26E+01	7.74E+05	N	N
Dichloromethane	1.57E+01	1.40E+04	N	N
Ethylbenzene	1.10E+02	1.36E+05	N	N
Ethylene	1.19E+01	None	NA	NA
Furfural	9.02E+01	1.98E+03	N	N
n-Hexane	7.10E+01	1.32E+05	N	N
Hydrogen Fluoride	5.30E-01	2.40E+02	N	N
Hydrogen Chloride	4.66E+00	2.10E+03	N	N
Maleic Anhydride	2.59E+01	7.50E+02	N	N
Manganese	6.56E-02	7.50E+02	N	N
Methanol	8.37E+00	2.62E+05	N	N
Methyl Tertiary Butyl Ether (MTBE)	4.30E+01	2.16E+05	N	N
Naphthalene	1.18E+02	1.97E+04	N	N
Nickel	3.41E+01	6.00E+00	Y	Y
Nonane	5.53E+00	2.62E+05	N	N
Propylene	2.91E+02	None	NA	NA
Styrene	3.83E+00	2.10E+04	N	N
1,1,1-Trichloroethane	3.92E+01	4.77E+05	N	N
Titanium Dioxide	3.63E+00	None	NA	NA
1,2,4-Trimethylbenzene	6.88E+01	4.50E+04	N	N
Toluene	5.91E+02	3.70E+04	N	N
Xylene	4.38E+02	2.20E+04	N	N

Table E-1.5
Tri-State Acute Air Modeling
Task 2-Episode 2 24 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	3.80E-02	2.50E+02	N	N
Ammonia (NH3)	1.76E+00	3.5E+02	N	N
Anthracene	3.93E+01	None	NA	NA
Antimony	6.62E+00	None	NA	NA
Arsenic	**1.35E-01**	**3.17E-02**	**Y**	**Y**
Benzene	**3.33E+02**	**1.60E+02**	**Y**	**Y**
Biphenyl	9.89E-01	None	NA	NA
1,3-Butadiene	9.99E-01	9.17E+02	N	N
Calcium Oxides	1.27E+01	None	NA	NA
Carbon Tetrachloride	7.70E+00	1.3E+03	N	N
Chrysene	9.71E-02	None	NA	NA
Chlorine (Cl2)	7.22E+00	6.75E+01	N	N
Cumene	4.78E+01	None	NA	NA
Cyclohexane	2.28E+01	None	NA	NA
Dichloromethane	2.53E+00	1.0E+04	N	N
Ethylbenzene	4.77E+01	None	NA	NA
Ethylene	3.02E+00	None	NA	NA
Furfural	1.66E+01	None	NA	NA
n-Hexane	1.04E+01	None	NA	NA
Hydrogen Fluoride	8.77E-02	4.90E+01	N	N
Hydrogen Chloride	8.55E-01	2.52E+02	N	N
Maleic Anhydride	8.09E+00	None	NA	NA
Manganese	8.40E-03	None	NA	NA
Methanol	1.46E+00	1.2E+03	N	N
Methyl Tertiary Butyl Ether (MTBE)	1.80E+01	7.2E+03	N	N
Naphthalene	4.73E+01	None	NA	NA
Nickel	**6.65E+00**	**2.50E-01**	**Y**	**Y**
Nonane	7.54E-01	None	NA	NA
Propylene	4.10E+01	None	NA	NA
Styrene	1.70E+00	8.75E+02	N	N
1,1,1-Trichloroethane	5.01E+00	1.1E+04	N	N
Titanium Dioxide	2.39E-01	None	NA	NA
1,2,4-Trimethylbenzene	2.60E+01	None	NA	NA
Toluene	2.60E+02	1.5E+04	N	N
Xylene	2.34E+02	4.3E+03	N	N

Table E-1.6
Tri-State Acute Air Modeling
Task 2-Episode 3 1 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	2.05E-01	6.00E+03	N	N
Ammonia (NH3)	1.50E+01	3.20E+03	N	N
Anthracene	1.45E+02	1.50E+03	N	N
Antimony	2.06E+01	3.75E+02	N	N
Arsenic	**4.14E-01**	**1.90E-01**	**Y**	**Y**
Benzene	**1.51E+03**	**1.30E+03**	**Y**	**Y**
Biphenyl	6.89E+00	None	NA	NA
1,3-Butadiene	1.62E+01	2.21E+04	N	N
Calcium Oxides	1.21E+02	1.25E+03	N	N
Carbon Tetrachloride	5.94E+01	1.90E+03	N	N
Chrysene	1.29E+00	1.50E+02	N	N
Chlorine (Cl2)	6.72E+01	2.10E+02	N	N
Cumene	7.53E+02	6.14E+04	N	N
Cyclohexane	1.21E+02	7.74E+05	N	N
Dichloromethane	1.00E+02	1.40E+04	N	N
Ethylbenzene	2.46E+02	1.36E+05	N	N
Ethylene	3.10E+01	None	NA	NA
Furfural	3.60E+02	1.98E+03	N	N
n-Hexane	7.75E+01	1.32E+05	N	N
Hydrogen Fluoride	3.28E+00	2.40E+02	N	N
Hydrogen Chloride	4.79E+00	2.10E+03	N	N
Maleic Anhydride	5.25E+01	7.50E+02	N	N
Manganese	9.59E-02	7.50E+02	N	N
Methanol	2.57E+01	2.62E+05	N	N
Methyl Tertiary Butyl Ether (MTBE)	1.24E+02	2.16E+05	N	N
Naphthalene	2.31E+02	1.97E+04	N	N
Nickel	**2.06E+01**	**6.00E+00**	**Y**	**Y**
Nonane	5.57E+00	2.62E+05	N	N
Propylene	8.89E+02	None	NA	NA
Styrene	7.56E+00	2.10E+04	N	N
1,1,1-Trichloroethane	3.64E+01	4.77E+05	N	N
Titanium Dioxide	2.18E+00	None	NA	NA
1,2,4-Trimethylbenzene	1.43E+02	4.50E+04	N	N
Toluene	1.33E+03	3.70E+04	N	N
Xylene	6.89E+02	2.20E+04	N	N

Table E-1.7
Tri-State Acute Air Modeling
Task 2-Episode 3 24 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	3.02E-02	2.50E+02	N	N
Ammonia (NH3)	1.29E+00	3.50E+02	N	N
Anthracene	2.59E+01	None	NA	NA
Antimony	5.16E+00	None	NA	NA
Arsenic	**1.05E-01**	**3.17E-02**	**Y**	**Y**
Benzene	**6.13E+02**	**1.60E+02**	**Y**	**Y**
Biphenyl	1.51E+00	None	NA	NA
1,3-Butadiene	2.67E+00	9.17E+02	N	N
Calcium Oxides	1.37E+01	None	NA	NA
Carbon Tetrachloride	1.25E+01	1.26E+03	N	N
Chrysene	1.79E-01	None	NA	NA
Chlorine (Cl2)	7.46E+00	6.75E+01	N	N
Cumene	9.70E+01	None	NA	NA
Cyclohexane	4.71E+01	None	NA	NA
Dichloromethane	1.83E+01	1.04E+04	N	N
Ethylbenzene	9.63E+01	None	NA	NA
Ethylene	4.90E+00	None	NA	NA
Furfural	3.68E+01	None	NA	NA
n-Hexane	1.65E+01	None	NA	NA
Hydrogen Fluoride	2.74E-01	4.90E+01	N	N
Hydrogen Chloride	3.54E-01	2.52E+02	N	N
Maleic Anhydride	1.20E+01	None	NA	NA
Manganese	1.09E-02	None	NA	NA
Methanol	3.07E+00	1.20E+03	N	N
Methyl Tertiary Butyl Ether (MTBE)	2.26E+01	7.20E+03	N	N
Naphthalene	5.21E+01	None	NA	NA
Nickel	**5.20E+00**	**2.50E-01**	**Y**	**Y**
Nonane	1.51E+00	None	NA	NA
Propylene	9.53E+01	None	NA	NA
Styrene	1.91E+00	8.75E+02	N	N
1,1,1-Trichloroethane	6.51E+00	1.09E+04	N	N
Titanium Dioxide	1.91E-01	None	NA	NA
1,2,4-Trimethylbenzene	5.15E+01	None	N	N
Toluene	5.24E+02	1.51E+04	N	N
Xylene	4.65E+02	4.34E+03	N	N

Table E-1.8
Tri-State Acute Air Modeling
Task 2-Episode 4 1 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	4.52E-01	6.00E+03	N	N
Ammonia (NH3)	4.02E+01	3.20E+03	N	N
Anthracene	2.05E+02	1.50E+03	N	N
Antimony	2.36E+01	3.75E+02	N	N
Arsenic	**4.74E-01**	**1.90E-01**	**Y**	**Y**
Benzene	**3.86E+03**	**1.30E+03**	**Y**	**Y**
Biphenyl	6.80E+00	None	NA	NA
1,3-Butadiene	1.00E+01	2.21E+04	N	N
Calcium Oxides	8.42E+01	1.25E+03	N	N
Carbon Tetrachloride	5.89E+01	1.90E+03	N	N
Chrysene	2.53E+00	1.50E+02	N	N
Chlorine (Cl2)	1.25E+02	2.10E+02	N	N
Cumene	2.56E+03	6.14E+04	N	N
Cyclohexane	1.29E+02	7.74E+05	N	N
Dichloromethane	1.30E+02	1.40E+04	N	N
Ethylbenzene	2.72E+02	1.36E+05	N	N
Ethylene	3.80E+01	None	NA	NA
Furfural	5.36E+02	1.98E+03	N	N
n-Hexane	1.37E+02	1.32E+05	N	N
Hydrogen Fluoride	6.43E+00	2.40E+02	N	N
Hydrogen Chloride	8.00E+00	2.10E+03	N	N
Maleic Anhydride	4.08E+01	7.50E+02	N	N
Manganese	1.12E-01	7.50E+02	N	N
Methanol	7.33E+01	2.62E+05	N	N
Methyl Tertiary Butyl Ether (MTBE)	1.69E+02	2.16E+05	N	N
Naphthalene	3.41E+02	1.97E+04	N	N
Nickel	**2.36E+01**	**6.00E+00**	**Y**	**Y**
Nonane	5.49E+00	2.62E+05	N	N
Propylene	5.33E+02	None	NA	NA
Styrene	1.25E+01	2.10E+04	N	N
1,1,1-Trichloroethane	4.29E+01	4.77E+05	N	N
Titanium Dioxide	5.80E+00	None	NA	NA
1,2,4-Trimethylbenzene	1.74E+02	4.50E+04	N	N
Toluene	1.84E+03	3.70E+04	N	N
Xylene	1.33E+03	2.20E+04	N	N

Table E-1.9
Tri-State Acute Air Modeling
Task 2-Episode 4 24 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	8.96E-02	2.50E+02	N	N
Ammonia (NH3)	1.82E+00	3.5E+02	N	N
Anthracene	3.18E+01	None	NA	NA
Antimony	4.46E+00	None	NA	NA
Arsenic	**9.13E-02**	**3.17E-02**	**Y**	**Y**
Benzene	**6.01E+02**	**1.60E+02**	**Y**	**Y**
Biphenyl	6.62E-01	None	NA	NA
1,3-Butadiene	1.29E+00	9.17E+02	N	N
Calcium Oxides	1.04E+01	None	NA	NA
Carbon Tetrachloride	5.45E+00	1.3E+03	N	N
Chrysene	3.52E-01	None	NA	NA
Chlorine (Cl2)	1.64E+01	6.75E+01	N	N
Cumene	2.96E+02	None	NA	NA
Cyclohexane	4.56E+01	None	NA	NA
Dichloromethane	2.07E+01	1.0E+04	N	N
Ethylbenzene	9.51E+01	None	NA	NA
Ethylene	5.35E+00	None	NA	NA
Furfural	3.07E+01	None	NA	NA
n-Hexane	1.70E+01	None	NA	NA
Hydrogen Fluoride	7.08E-01	4.90E+01	N	N
Hydrogen Chloride	9.72E-01	2.52E+02	N	N
Maleic Anhydride	9.06E+00	None	NA	NA
Manganese	9.04E-03	None	NA	NA
Methanol	7.27E+00	1.2E+03	N	N
Methyl Tertiary Butyl Ether (MTBE)	1.91E+01	7.2E+03	N	N
Naphthalene	5.90E+01	None	NA	NA
Nickel	**4.46E+00**	**2.50E-01**	**Y**	**Y**
Nonane	7.29E-01	None	NA	NA
Propylene	6.85E+01	None	NA	NA
Styrene	2.02E+00	8.75E+02	N	N
1,1,1-Trichloroethane	2.69E+00	1.1E+04	N	N
Titanium Dioxide	2.54E-01	None	NA	NA
1,2,4-Trimethylbenzene	5.04E+01	None	NA	NA
Toluene	5.13E+02	1.5E+04	N	N
Xylene	3.88E+02	4.3E+03	N	N

Table E-1.10
Tri-State Acute Air Modeling
Task 2-Episode 5 1 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	1.55E-01	6.00E+03	N	N
Ammonia (NH3)	1.09E+01	3.20E+03	N	N
Anthracene	1.21E+02	1.50E+03	N	N
Antimony	2.63E+01	3.75E+02	N	N
Arsenic	**5.30E-01**	**1.90E-01**	**Y**	**Y**
Benzene	8.37E+02	1.30E+03	N	N
Biphenyl	5.33E+00	None	NA	NA
1,3-Butadiene	8.48E+00	2.21E+04	N	N
Calcium Oxides	7.80E+01	1.25E+03	N	N
Carbon Tetrachloride	4.20E+01	1.90E+03	N	N
Chrysene	9.05E-01	1.50E+02	N	N
Chlorine (Cl2)	2.93E+01	2.10E+02	N	N
Cumene	1.79E+02	6.14E+04	N	N
Cyclohexane	6.38E+01	7.74E+05	N	N
Dichloromethane	4.67E+01	1.40E+04	N	N
Ethylbenzene	1.34E+02	1.36E+05	N	N
Ethylene	1.38E+01	None	NA	NA
Furfural	7.66E+01	1.98E+03	N	N
n-Hexane	6.13E+01	1.32E+05	N	N
Hydrogen Fluoride	1.64E+00	2.40E+02	N	N
Hydrogen Chloride	4.81E+00	2.10E+03	N	N
Maleic Anhydride	4.45E+01	7.50E+02	N	N
Manganese	4.54E-02	7.50E+02	N	N
Methanol	9.99E+00	2.62E+05	N	N
Methyl Tertiary Butyl Ether (MTBE)	4.24E+01	2.16E+05	N	N
Naphthalene	1.20E+02	1.97E+04	N	N
Nickel	**2.63E+01**	**6.00E+00**	**Y**	**Y**
Nonane	4.21E+00	2.62E+05	N	N
Propylene	5.38E+02	None	NA	NA
Styrene	4.39E+00	2.10E+04	N	N
1,1,1-Trichloroethane	3.04E+01	4.77E+05	N	N
Titanium Dioxide	1.56E+00	None	NA	NA
1,2,4-Trimethylbenzene	8.13E+01	4.50E+04	N	N
Toluene	7.25E+02	3.70E+04	N	N
Xylene	5.72E+02	2.20E+04	N	N

Table E-1.11
Tri-State Acute Air Modeling
Task 2-Episode 5 24 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	7.60E-02	2.50E+02	N	N
Ammonia (NH3)	1.30E+00	3.5E+02	N	N
Anthracene	2.54E+01	None	NA	NA
Antimony	3.92E+00	None	NA	NA
Arsenic	7.90E-02	3.17E-02	Y	Y
Benzene	2.46E+02	1.60E+02	Y	Y
Biphenyl	2.89E-01	None	NA	NA
1,3-Butadiene	6.04E-01	9.17E+02	N	N
Calcium Oxides	9.50E+00	None	NA	NA
Carbon Tetrachloride	2.34E+00	1.3E+03	N	N
Chrysene	1.06E-01	None	NA	NA
Chlorine (Cl2)	4.89E+00	6.75E+01	N	N
Cumene	4.88E+01	None	NA	NA
Cyclohexane	1.91E+01	None	NA	NA
Dichloromethane	6.53E+00	1.0E+04	N	N
Ethylbenzene	3.95E+01	None	NA	NA
Ethylene	3.19E+00	None	NA	NA
Furfural	2.12E+01	None	NA	NA
n-Hexane	5.05E+00	None	NA	NA
Hydrogen Fluoride	1.20E-01	4.90E+01	N	N
Hydrogen Chloride	7.17E-01	2.52E+02	N	N
Maleic Anhydride	6.78E+00	None	NA	NA
Manganese	6.88E-03	None	NA	NA
Methanol	1.98E+00	1.2E+03	N	N
Methyl Tertiary Butyl Ether (MTBE)	1.19E+01	7.2E+03	N	N
Naphthalene	3.68E+01	None	N	N
Nickel	**3.92E+00**	**2.50E-01**	**Y**	**Y**
Nonane	4.99E-01	None	NA	NA
Propylene	5.22E+01	None	NA	NA
Styrene	1.33E+00	8.75E+02	N	N
1,1,1-Trichloroethane	1.45E+00	1.1E+04	N	N
Titanium Dioxide	1.92E-01	None	NA	NA
1,2,4-Trimethylbenzene	2.10E+01	None	NA	NA
Toluene	2.14E+02	1.5E+04	N	N
Xylene	1.94E+02	4.3E+03	N	N

Table E-1.12
Tri-State Acute Air Modeling
Task 2-Episode 6 1 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	2.17E-01	6.00E+03	N	N
Ammonia (NH3)	8.53E+00	3.20E+03	N	N
Anthracene	7.62E+01	1.50E+03	N	N
Antimony	1.78E+01	3.75E+02	N	N
Arsenic	**3.74E-01**	**1.90E-01**	**Y**	**Y**
Benzene	1.06E+03	1.30E+03	N	N
Biphenyl	6.23E+00	None	NA	NA
1,3-Butadiene	1.39E+01	2.21E+04	N	N
Calcium Oxides	1.70E+02	1.25E+03	N	N
Carbon Tetrachloride	5.25E+01	1.90E+03	N	N
Chrysene	5.41E-01	1.50E+02	N	N
Chlorine (Cl2)	5.56E+01	2.10E+02	N	N
Cumene	2.94E+02	6.14E+04	N	N
Cyclohexane	8.27E+01	7.74E+05	N	N
Dichloromethane	1.07E+02	1.40E+04	N	N
Ethylbenzene	1.74E+02	1.36E+05	N	N
Ethylene	2.18E+01	None	NA	NA
Furfural	1.27E+02	1.98E+03	N	N
n-Hexane	6.71E+01	1.32E+05	N	N
Hydrogen Fluoride	3.34E+00	2.40E+02	N	N
Hydrogen Chloride	5.64E+00	2.10E+03	N	N
Maleic Anhydride	4.87E+01	7.50E+02	N	N
Manganese	6.24E-02	7.50E+02	N	N
Methanol	2.62E+01	2.62E+05	N	N
Methyl Tertiary Butyl Ether (MTBE)	9.68E+01	2.16E+05	N	N
Naphthalene	1.15E+02	1.97E+04	N	N
Nickel	**1.78E+01**	**6.00E+00**	**Y**	**Y**
Nonane	5.24E+00	2.62E+05	N	N
Propylene	6.18E+02	None	NA	NA
Styrene	3.72E+00	2.10E+04	N	N
1,1,1-Trichloroethane	3.07E+01	4.77E+05	N	N
Titanium Dioxide	1.22E+00	None	NA	NA
1,2,4-Trimethylbenzene	1.26E+02	4.50E+04	N	N
Toluene	9.32E+02	3.70E+04	N	N
Xylene	4.55E+02	2.20E+04	N	N

Table E-1.13
Tri-State Acute Air Modeling
Task 2-Episode 6 24 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	4.10E-02	2.50E+02	N	N
Ammonia (NH3)	8.29E-01	3.5E+02	N	N
Anthracene	2.10E+01	None	NA	NA
Antimony	3.38E+00	None	NA	NA
Arsenic	**6.87E-02**	**3.17E-02**	**Y**	**Y**
Benzene	**3.34E+02**	**1.60E+02**	**Y**	**Y**
Biphenyl	7.60E-01	None	NA	NA
1,3-Butadiene	1.27E+00	9.17E+02	N	N
Calcium Oxides	2.10E+01	None	NA	NA
Carbon Tetrachloride	4.00E+00	1.3E+03	N	N
Chrysene	1.89E-01	None	NA	NA
Chlorine (Cl2)	8.70E+00	6.75E+01	N	N
Cumene	8.21E+01	None	NA	NA
Cyclohexane	2.61E+01	None	NA	NA
Dichloromethane	6.35E+00	1.0E+04	N	N
Ethylbenzene	5.48E+01	None	NA	NA
Ethylene	3.13E+00	None	NA	NA
Furfural	3.62E+01	None	NA	NA
n-Hexane	8.13E+00	None	NA	NA
Hydrogen Fluoride	1.88E-01	4.90E+01	N	N
Hydrogen Chloride	6.47E-01	2.52E+02	N	N
Maleic Anhydride	8.97E+00	None	NA	NA
Manganese	7.98E-03	None	NA	NA
Methanol	2.16E+00	1.2E+03	N	N
Methyl Tertiary Butyl Ether (MTBE)	2.90E+01	7.2E+03	N	N
Naphthalene	1.73E+01	None	NA	NA
Nickel	**3.38E+00**	**2.60E-01**	**Y**	**Y**
Nonane	4.52E-01	None	NA	NA
Propylene	7.32E+01	None	NA	NA
Styrene	6.17E-01	8.75E+02	N	N
1,1,1-Trichloroethane	4.29E+00	1.1E+04	N	N
Titanium Dioxide	1.23E-01	None	NA	NA
1,2,4-Trimethylbenzene	2.87E+01	None	NA	NA
Toluene	2.94E+02	1.5E+04	N	N
Xylene	2.39E+02	4.3E+03	N	N

Table E-1.14
Tri-State Acute Air Modeling
Task 2-Episode 7 1 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	1.62E-01	6.00E+03	N	N
Ammonia (NH3)	1.38E+01	3.20E+03	N	N
Anthracene	1.52E+02	1.50E+03	N	N
Antimony	2.44E+01	3.75E+02	N	N
Arsenic	**4.89E-01**	**1.90E-01**	**Y**	**Y**
Benzene	**1.68E+03**	**1.30E+03**	**Y**	**Y**
Biphenyl	6.74E+00	None	NA	NA
1,3-Butadiene	1.49E+01	2.21E+04	N	N
Calcium Oxides	5.56E+01	1.25E+03	N	N
Carbon Tetrachloride	5.94E+01	1.90E+03	N	N
Chrysene	1.96E+00	1.50E+02	N	N
Chlorine (Cl2)	5.06E+01	2.10E+02	N	N
Cumene	3.99E+02	6.14E+04	N	N
Cyclohexane	1.27E+02	7.74E+05	N	N
Dichloromethane	2.09E+02	1.40E+04	N	N
Ethylbenzene	2.69E+02	1.36E+05	N	N
Ethylene	3.14E+01	None	NA	NA
Furfural	9.61E+01	1.98E+03	N	N
n-Hexane	9.67E+01	1.32E+05	N	N
Hydrogen Fluoride	9.60E+00	2.40E+02	N	N
Hydrogen Chloride	7.98E+00	2.10E+03	N	N
Maleic Anhydride	1.73E+01	7.50E+02	N	N
Manganese	8.43E-02	7.50E+02	N	N
Methanol	4.12E+01	2.62E+05	N	N
Methyl Tertiary Butyl Ether (MTBE)	1.12E+02	2.16E+05	N	N
Naphthalene	2.80E+02	1.97E+04	N	N
Nickel	**2.44E+01**	**6.00E+00**	**Y**	**Y**
Nonane	5.04E+00	2.62E+05	N	N
Propylene	4.42E+02	None	NA	NA
Styrene	1.03E+01	2.10E+04	N	N
1,1,1-Trichloroethane	3.48E+01	4.77E+05	N	N
Titanium Dioxide	1.98E+00	None	NA	NA
1,2,4-Trimethylbenzene	1.42E+02	4.50E+04	N	N
Toluene	1.48E+03	3.70E+04	N	N
Xylene	1.23E+03	2.20E+04	N	N

Table E-1.15
Tri-State Acute Air Modeling
Task 2-Episode 7 24 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	3.18E-02	2.50E+02	N	N
Ammonia (NH3)	1.12E+00	3.50E+02	N	N
Anthracene	2.67E+01	None	NA	NA
Antimony	7.02E+00	None	NA	NA
Arsenic	**1.44E-01**	**3.17E-02**	**Y**	**Y**
Benzene	**4.97E+02**	**1.60E+02**	**Y**	**Y**
Biphenyl	1.53E+00	None	NA	NA
1,3-Butadiene	2.47E+00	9.17E+02	N	N
Calcium Oxides	6.13E+00	None	NA	NA
Carbon Tetrachloride	1.26E+01	1.26E+03	N	N
Chrysene	1.86E-01	None	NA	NA
Chlorine (Cl2)	9.02E+00	6.75E+01	N	N
Cumene	7.13E+01	None	NA	NA
Cyclohexane	3.33E+01	None	NA	NA
Dichloromethane	2.16E+01	1.04E+04	N	N
Ethylbenzene	7.01E+01	None	NA	NA
Ethylene	6.16E+00	None	NA	NA
Furfural	1.17E+01	None	NA	NA
n-Hexane	1.76E+01	None	NA	NA
Hydrogen Fluoride	7.09E-01	4.90E+01	N	N
Hydrogen Chloride	2.02E+00	2.52E+02	N	N
Maleic Anhydride	7.03E+00	None	NA	NA
Manganese	9.21E-03	None	NA	NA
Methanol	4.49E+00	1.20E+03	N	N
Methyl Tertiary Butyl Ether (MTBE)	1.81E+01	7.20E+03	N	N
Naphthalene	7.68E+01	None	NA	NA
Nickel	**7.06E+00**	**2.50E-01**	**Y**	**Y**
Nonane	1.35E+00	None	NA	NA
Propylene	4.68E+01	None	NA	NA
Styrene	2.84E+00	8.75E+02	N	N
1,1,1-Trichloroethane	6.68E+00	1.09E+04	N	N
Titanium Dioxide	1.72E-01	None	NA	NA
1,2,4-Trimethylbenzene	3.80E+01	None	NA	NA
Toluene	3.80E+02	1.51E+04	N	N
Xylene	2.87E+02	4.34E+03	N	N

Table E-1.16
Tri-State Acute Air Modeling
Task 2-Episode 8 1 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	3.41E-01	6.00E+03	N	N
Ammonia (NH3)	1.19E+01	3.20E+03	N	N
Anthracene	1.29E+02	1.50E+03	N	N
Antimony	3.74E+01	3.75E+02	N	N
Arsenic	**7.51E-01**	**1.90E-01**	**Y**	**Y**
Benzene	**1.53E+03**	**1.30E+03**	**Y**	**Y**
Biphenyl	7.16E+00	None	NA	NA
1,3-Butadiene	1.03E+01	2.21E+04	N	N
Calcium Oxides	1.01E+02	1.25E+03	N	N
Carbon Tetrachloride	5.27E+01	1.90E+03	N	N
Chrysene	1.76E+00	1.50E+02	N	N
Chlorine (Cl2)	5.55E+01	2.10E+02	N	N
Cumene	1.11E+03	6.14E+04	N	N
Cyclohexane	9.80E+01	7.74E+05	N	N
Dichloromethane	7.91E+01	1.40E+04	N	N
Ethylbenzene	2.06E+02	1.36E+05	N	N
Ethylene	3.75E+01	None	NA	NA
Furfural	3.33E+02	1.98E+03	N	N
n-Hexane	7.83E+01	1.32E+05	N	N
Hydrogen Fluoride	2.41E+00	2.40E+02	N	N
Hydrogen Chloride	2.30E+00	2.10E+03	N	N
Maleic Anhydride	4.82E+01	7.50E+02	N	N
Manganese	7.77E-02	7.50E+02	N	N
Methanol	1.95E+01	2.62E+05	N	N
Methyl Tertiary Butyl Ether (MTBE)	1.30E+02	2.16E+05	N	N
Naphthalene	1.60E+02	1.97E+04	N	N
Nickel	**3.75E+01**	**6.00E+00**	**Y**	**Y**
Nonane	4.77E+00	2.62E+05	N	N
Propylene	7.82E+02	None	NA	NA
Styrene	6.30E+00	2.10E+04	N	N
1,1,1-Trichloroethane	4.63E+01	4.77E+05	N	N
Titanium Dioxide	1.71E+00	None	NA	NA
1,2,4-Trimethylbenzene	1.08E+02	4.50E+04	N	N
Toluene	1.10E+03	3.70E+04	N	N
Xylene	6.82E+02	2.20E+04	N	N

Table E-1.17
Tri-State Acute Air Modeling
Task 2-Episode 8 24 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	1.01E-01	2.50E+02	N	N
Ammonia (NH3)	1.12E+00	3.5E+02	N	N
Anthracene	1.89E+01	None	NA	NA
Antimony	5.35E+00	None	NA	NA
Arsenic	**1.08E-01**	**3.17E-02**	**Y**	**Y**
Benzene	**3.26E+02**	**1.60E+02**	**Y**	**Y**
Biphenyl	5.81E-01	None	NA	NA
1,3-Butadiene	1.07E+00	9.17E+02	N	N
Calcium Oxides	1.30E+01	None	NA	NA
Carbon Tetrachloride	4.38E+00	1.3E+03	N	N
Chrysene	1.44E-01	None	NA	NA
Chlorine (Cl2)	5.64E+00	6.75E+01	N	N
Cumene	5.83E+01	None	NA	NA
Cyclohexane	2.33E+01	None	NA	NA
Dichloromethane	6.43E+00	1.0E+04	N	N
Ethylbenzene	4.86E+01	None	NA	NA
Ethylene	3.60E+00	None	NA	NA
Furfural	2.34E+01	None	NA	NA
n-Hexane	8.24E+00	None	NA	NA
Hydrogen Fluoride	1.63E-01	4.90E+01	N	N
Hydrogen Chloride	2.30E+00	2.52E+02	N	N
Maleic Anhydride	7.08E+00	None	NA	NA
Manganese	7.46E-03	None	NA	NA
Methanol	1.88E+00	1.2E+03	N	N
Methyl Tertiary Butyl Ether (MTBE)	1.94E+01	7.2E+03	N	N
Naphthalene	3.65E+01	None	NA	NA
Nickel	**5.36E+00**	**2.50E-01**	**Y**	**Y**
Nonane	4.58E-01	None	NA	NA
Propylene	4.55E+01	None	NA	NA
Styrene	1.28E+00	8.75E+02	N	N
1,1,1-Trichloroethane	3.08E+00	1.1E+04	N	N
Titanium Dioxide	1.71E+00	None	NA	NA
1,2,4-Trimethylbenzene	2.59E+01	None	NA	NA
Toluene	2.72E+02	1.5E+04	N	N
Xylene	2.30E+02	4.3E+03	N	N

Table E-1.18
Tri-State Acute Air Modeling
Task 2-Episode 9 1 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	8.04E-02	6.00E+03	N	N
Ammonia (NH3)	2.69E+01	3.20E+03	N	N
Anthracene	1.72E+02	1.50E+03	N	N
Antimony	3.85E+01	3.75E+02	N	N
Arsenic	**7.79E-01**	**1.90E-01**	**Y**	**Y**
Benzene	9.29E+02	1.30E+03	N	N
Biphenyl	1.61E+00	None	NA	NA
1,3-Butadiene	3.92E+00	2.21E+04	N	N
Calcium Oxides	5.57E+01	1.25E+03	N	N
Carbon Tetrachloride	1.53E+01	1.90E+03	N	N
Chrysene	4.56E-01	1.50E+02	N	N
Chlorine (Cl2)	2.84E+01	2.10E+02	N	N
Cumene	2.63E+02	6.14E+04	N	N
Cyclohexane	7.36E+01	7.74E+05	N	N
Dichloromethane	5.65E+01	1.40E+04	N	N
Ethylbenzene	1.49E+02	1.36E+05	N	N
Ethylene	1.08E+01	None	NA	NA
Furfural	1.16E+02	1.98E+03	N	N
n-Hexane	2.12E+01	1.32E+05	N	N
Hydrogen Fluoride	1.99E+00	2.40E+02	N	N
Hydrogen Chloride	2.67E+00	2.10E+03	N	N
Maleic Anhydride	8.32E+01	7.50E+02	N	N
Manganese	5.79E-02	7.50E+02	N	N
Methanol	5.78E+00	2.62E+05	N	N
Methyl Tertiary Butyl Ether (MTBE)	6.73E+01	2.16E+05	N	N
Naphthalene	9.03E+01	1.97E+04	N	N
Nickel	**3.85E+01**	**6.00E+00**	**Y**	**Y**
Nonane	2.12E+00	2.62E+05	N	N
Propylene	2.54E+02	None	NA	NA
Styrene	3.38E+00	2.10E+04	N	N
1,1,1-Trichloroethane	8.36E+00	4.77E+05	N	N
Titanium Dioxide	3.84E+00	None	NA	NA
1,2,4-Trimethylbenzene	7.84E+01	4.50E+04	N	N
Toluene	8.12E+02	3.70E+04	N	N
Xylene	6.50E+02	2.20E+04	N	N

Table E-1.19
Tri-State Acute Air Modeling
Task 2-Episode 9 24 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	2.08E-02	2.50E+02	N	N
Ammonia (NH3)	2.35E+00	3.5E+02	N	N
Anthracene	4.01E+01	None	NA	NA
Antimony	1.64E+00	None	NA	NA
Arsenic	**3.37E-02**	**3.17E-02**	**Y**	**Y**
Benzene	**3.46E+02**	**1.60E+02**	**Y**	**Y**
Biphenyl	2.76E-01	None	NA	NA
1,3-Butadiene	5.57E-01	9.17E+02	N	N
Calcium Oxides	5.57E+00	None	NA	NA
Carbon Tetrachloride	2.34E+00	1.3E+03	N	N
Chrysene	9.04E-02	None	NA	NA
Chlorine (Cl2)	5.06E+00	6.75E+01	N	N
Cumene	4.75E+01	None	NA	NA
Cyclohexane	2.76E+01	None	NA	NA
Dichloromethane	8.22E+00	1.0E+04	N	N
Ethylbenzene	5.63E+01	None	NA	NA
Ethylene	1.88E+00	None	NA	NA
Furfural	1.40E+01	None	NA	NA
n-Hexane	6.98E+00	None	NA	NA
Hydrogen Fluoride	1.15E-01	4.90E+01	N	N
Hydrogen Chloride	2.48E-01	2.52E+02	N	N
Maleic Anhydride	6.18E+00	None	NA	NA
Manganese	9.83E-03	None	NA	NA
Methanol	1.19E+00	1.2E+03	N	N
Methyl Tertiary Butyl Ether (MTBE)	1.31E+01	7.2E+03	N	N
Naphthalene	2.49E+01	None	NA	NA
Nickel	**1.65E+00**	**2.50E-01**	**Y**	**Y**
Nonane	6.43E-01	None	NA	NA
Propylene	3.04E+01	None	NA	NA
Styrene	8.55E-01	8.75E+02	N	N
1,1,1-Trichloroethane	8.52E-01	1.1E+04	N	N
Titanium Dioxide	3.23E-01	None	NA	NA
1,2,4-Trimethylbenzene	2.96E+01	None	NA	NA
Toluene	3.04E+02	1.5E+04	N	N
Xylene	2.70E+02	4.3E+03	N	N

Table E-1.20
Tri-State Acute Air Modeling
Task 2-Episode 10 1 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	7.50E-01	6.00E+03	N	N
Ammonia (NH3)	3.70E+01	3.20E+03	N	N
Anthracene	1.90E+02	1.50E+03	N	N
Antimony	3.54E+01	3.75E+02	N	N
Arsenic	**7.10E-01**	**1.90E-01**	**Y**	**Y**
Benzene	**2.14E+03**	**1.30E+03**	**Y**	**Y**
Biphenyl	7.22E+00	None	NA	NA
1,3-Butadiene	1.35E+01	2.21E+04	N	N
Calcium Oxides	1.47E+02	1.25E+03	N	N
Carbon Tetrachloride	6.23E+01	1.90E+03	N	N
Chrysene	2.20E+00	1.50E+02	N	N
Chlorine (Cl2)	1.20E+02	2.10E+02	N	N
Cumene	5.01E+02	6.14E+04	N	N
Cyclohexane	1.64E+02	7.74E+05	N	N
Dichloromethane	1.67E+02	1.40E+04	N	N
Ethylbenzene	3.44E+02	1.36E+05	N	N
Ethylene	3.30E+01	None	NA	NA
Furfural	2.23E+02	1.98E+03	N	N
n-Hexane	1.39E+02	1.32E+05	N	N
Hydrogen Fluoride	8.82E+00	2.40E+02	N	N
Hydrogen Chloride	3.71E+00	2.10E+03	N	N
Maleic Anhydride	6.44E+01	7.50E+02	N	N
Manganese	1.22E-01	7.50E+02	N	N
Methanol	8.13E+01	2.62E+05	N	N
Methyl Tertiary Butyl Ether (	1.80E+02	2.16E+05	N	N
Naphthalene	2.86E+02	1.97E+04	N	N
Nickel	**3.54E+01**	**6.00E+00**	**Y**	**Y**
Nonane	5.72E+00	2.62E+05	N	N
Propylene	7.26E+02	None	NA	NA
Styrene	1.05E+01	2.10E+04	N	N
1,1,1-Trichloroethane	4.24E+01	4.77E+05	N	N
Titanium Dioxide	5.31E+00	None	NA	NA
1,2,4-Trimethylbenzene	1.86E+02	4.50E+04	N	N
Toluene	1.88E+03	3.70E+04	N	N
Xylene	1.70E+03	2.20E+04	N	N

Table E-1.21
Tri-State Acute Air Modeling
Task 2-Episode 10 24 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	4.73E-02	2.50E+02	N	N
Ammonia (NH3)	1.88E+00	3.5E+02	N	N
Anthracene	2.97E+01	None	NA	NA
Antimony	5.69E+00	None	NA	NA
Arsenic	**1.18E-01**	**3.17E-02**	**Y**	**Y**
Benzene	**3.54E+02**	**1.60E+02**	**Y**	**Y**
Biphenyl	1.63E+00	None	NA	NA
1,3-Butadiene	1.87E+00	9.17E+02	N	N
Calcium Oxides	1.84E+01	None	NA	NA
Carbon Tetrachloride	1.31E+01	1.3E+03	N	N
Chrysene	1.37E-01	None	NA	NA
Chlorine (Cl2)	9.47E+00	6.75E+01	N	N
Cumene	7.49E+01	None	NA	NA
Cyclohexane	2.80E+01	None	NA	NA
Dichloromethane	1.38E+01	1.0E+04	N	N
Ethylbenzene	5.74E+01	None	NA	NA
Ethylene	2.77E+00	None	NA	NA
Furfural	2.78E+01	None	NA	NA
n-Hexane	1.92E+01	None	NA	NA
Hydrogen Fluoride	4.75E-01	4.90E+01	N	N
Hydrogen Chloride	5.60E-01	2.52E+02	N	N
Maleic Anhydride	1.32E+01	None	NA	NA
Manganese	1.34E-02	None	NA	NA
Methanol	3.80E+00	1.2E+03	N	N
Methyl Tertiary Butyl Ether (MTBE)	2.40E+01	7.2E+03	N	N
Naphthalene	3.92E+01	None	N	N
Nickel	**5.71E+00**	**2.50E-01**	**Y**	**Y**
Nonane	1.07E+00	None	NA	NA
Propylene	6.76E+01	None	NA	NA
Styrene	1.33E+00	8.75E+02	N	N
1,1,1-Trichloroethane	7.51E+00	1.1E+04	N	N
Titanium Dioxide	2.70E-01	None	NA	NA
1,2,4-Trimethylbenzene	3.07E+01	None	NA	NA
Toluene	3.19E+02	1.5E+04	N	N
Xylene	2.65E+02	4.3E+03	N	N

Table E-1.22
Tri-State Acute Air Modeling
Task 3 - 1 Hour Model
Screening Table

Chemical	Maximum Concentration (ug/m3)	Acute Ambient Air Screening Value (ug/m3)	Maximum Exceed Screening Value? Y or N	Selected as a COPC? (1) Y or N
Acrylic Acid	1.01E+00	6.00E+03	N	N
Ammonia (NH3)	1.17E+02	3.20E+03	N	N
Anthracene	7.55E+01	1.50E+03	N	N
Antimony	1.17E+00	3.75E+02	N	N
Arsenic	**1.52E+00**	**1.90E-01**	**Y**	**Y**
Benzene	**4.26E+03**	**1.30E+03**	**Y**	**Y**
Biphenyl	7.84E+00	None	NA	NA
1,3-Butadiene	1.65E+01	2.21E+04	N	N
Calcium Oxides	1.80E+02	1.25E+03	N	N
Carbon Tetrachloride	6.29E+01	1.90E+03	N	N
Chrysene	2.69E+00	1.50E+02	N	N
Chlorine (Cl2)	1.76E+02	2.10E+02	N	N
Cumene	2.56E+03	6.14E+04	N	N
Cyclohexane	1.86E+02	7.74E+05	N	N
Dichloromethane	2.25E+02	1.40E+04	N	N
Ethylbenzene	3.92E+02	1.36E+05	N	N
Ethylene	6.31E+01	None	NA	NA
Furfural	5.46E+02	1.98E+03	N	N
n-Hexane	1.39E+02	1.32E+05	N	N
Hydrogen Fluoride	1.24E+01	2.40E+02	N	N
Hydrogen Chloride	1.06E+01	2.10E+03	N	N
Maleic Anhydride	8.85E+01	7.50E+02	N	N
Manganese	1.51E-01	7.50E+02	N	N
Methanol	9.06E+01	2.62E+05	N	N
Methyl Tertiary Butyl Ether (MTBE)	1.80E+02	2.16E+05	N	N
Naphthalene	3.74E+02	1.97E+04	N	N
Nickel	**7.56E+01**	**6.00E+00**	**Y**	**Y**
Nonane	5.90E+00	2.62E+05	N	N
Propylene	1.19E+03	None	NA	NA
Styrene	1.41E+01	2.10E+04	N	N
1,1,1-Trichloroethane	5.06E+01	4.77E+05	N	N
Titanium Dioxide	1.75E+01	None	NA	NA
1,2,4-Trimethylbenzene	2.11E+02	4.50E+04	N	N
Toluene	2.13E+03	3.70E+04	N	N
Xylene	1.30E+03	2.20E+04	N	N

TABLE 2-1
SPECIAL RECEPTOR NAME, INDENTIFICATION NUMBER AND UTM COORDINATES

Receptor Number	UTM East (km)	UTM North (km)	Receptor Name	State
1	351.268	4248.783	Boyd County High Vocational School	KY
2	351.442	4248.922	Boyd County Middle School	KY
3	352.304	4244.943	Ponderosa Elementary School & Child Care Center	KY
4	351.249	4248.867	Cannonsburg Elementary School	KY
5	351.861	4255.334	Summit Elementary School	KY
6	352.91	4256.166	Early Childhood Learning Center	KY
7	352.923	4256.511	Gertrung Ramey Children's Home	KY
8	360.07	4251.515	Catlettsburg Elementary School	KY
9	358.319	4256.787	Calvery Russell Elementary School	KY
10	357.967	4236.782	Calvery Christian School	KY
11	357.757	4257.938	7th Day Adventist Church School	KY
12	358.583	4257.985	YWCA Debord Terrace Pre-School	KY
13	358.28	4258.699	Artrips Personal Care Home	KY
14	356.538	4257.418	Oakview Elementary School	KY
15	355.609	4257.482	Poage Elementary School	KY
16	354.756	4257.833	YMCA/YWCA Complex	KY
17	353.592	4257.513	Rose Hill Christian School	KY
18	356.252	4258.813	Woodlands Oaks Nursing Home	KY
19	356.063	4257.493	Verity Middle School	KY
20	354.883	4257.416	Blazer High School	KY
21	355.43	4258.246	Hagar Elementary School	KY
22	362.258	4250.367	Ferndale School	KY
23	370.146	4251.962	Jefferson School	KY
24	367.434	4250.773	Kellogg School	KY
25	369.904	4251.966	Sacred Heart School	KY
26	368.068	4251.009	Vinson High School	KY
27	369.859	4252.183	Washington School	KY
28	363.629	4249.585	Alvert Nursing Home	KY
29	368.355	4251.123	Nelson's Kiddie Corner	KY
30	369.938	4251.951	Enterprise Child Development	KY
31	363.845	4250.503	5th Baptist of Ceredo Daycare Center	KY
32	363.022	4250.743	Playmates Childcare Site 1	KY
33	361.514	4247.077	Citizen's residence	KY
34	361.88	4251.105	Kenova fire station	KY
35	360.725	4249.695	Cornfield	KY
36	362.047	4247.285	Sweetrun	KY
37	361.991	4248.954	Centennial Drive	KY
38	361.004	4242.31	Lockwood estate	KY
39	361.042	4244.529	Kenova Water Plant	KY
40	351.19	4248.36	Boyd County High School	KY

TABLE 3.1-1
SELECTION OF EXPOSURE PATHWAYS

Scenario Timeframe	Medium	Exposure Medium	Exposure Point	Receptor Population	Receptor Age	Exposure Route	On-Site/ Off-Site	Type of Analysis	Rationale for Selection or Exclusion of Exposure Pathway
Current	Air	Air-- Modeled air concentrations	Grid Area from Tri-State Modeling Report[1]	Resident	Adult	Inhalation	On-Site	Quant	Residents currently live throughout the Kenova Industrial Cluster
					Child	Inhalation	On-Site	Quant	Residents currently live throughout the Kenova Industrial Cluster

Notes: [1] USEPA (2000)

TABLE 3.2-2
OCCURRENCE AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
TASK 3 DATA

Chemical	Maximum Concentration (ug/m3)	Ambient Air RBC (ug/m3)	Maximum Exceed RBC? Y or N	Source of Toxicity Value Used to Derive RBC	Selected as a COPC for Quantitative Risk Analysis (Y or N)?	NOTES
Acrylic Acid	**1.37E-02**	**NA**	**NA**	**IRIS**	**Y**	An inhalation RfC is available in IRIS for this chemical
Ammonia	3.42E-01	1.00E+01	N	IRIS	N	Maximum concentration does not exceed RBC
Anthracene	5.37E+00	1.10E+02	N	IRIS	N	Maximum concentration does not exceed RBC
Antimony	**1.17E+00**	**1.50E-01**	**Y**	**IRIS**	**Y**	**Maximum concentration exceeds RBC**
Arsenic	**2.46E-02**	**4.10E-04**	**Y**	**IRIS**	**Y**	**Maximum concentration exceeds RBC**
Benzene	**2.17E+02**	**2.20E-01**	**Y**	**IRIS**	**Y**	**Maximum concentration exceeds RBC**
Biphenyl	2.83E-01	1.80E+01	N	IRIS	N	Maximum concentration does not exceed RBC
1,3-Butadiene	**3.41E-01**	**3.50E-03**	**Y**	**HEAST**	**Y**	**Maximum concentration exceeds RBC**
Calcium Oxides	**3.26E+00**	NA	NA	NA	N	Reference Doses or slope factors are not available for this chemical. Potential effects will be discussed in the uncertainty section
Carbon Tetrachloride	**2.27E+00**	**1.20E-01**	**Y**	**IRIS**	**Y**	**Maximum concentration exceeds RBC**
Chrysene	7.33E-02	8.60E-01	N	EPA-NCEA Provisonal	N	Maximum concentration does not exceed RBC
Chlorine	**3.95E+00**	**2.10E-02**	**Y**	**EPA-NCEA Provisonal**	**Y**	**Maximum concentration exceeds RBC**
Cumene	3.36E+01	4.00E+01	N	IRIS	N	Maximum concentration does not exceed RBC
Cyclohexane	**1.64E+01**	NA	NA	NA	N	Reference Doses or slope factors are not available for this chemical. Potential effects will be discussed in the uncertainty section
Dichloromethane	3.14E+00	3.80E+00	N	IRIS	N	Maximum concentration does not exceed RBC
Ethylbenzene	3.39E+01	1.10E+02	N	IRIS	N	Maximum concentration does not exceed RBC
Ethylene	**1.25E+00**	NA	NA	NA	N	Reference Doses or slope factors are not available for this chemical. Potential effects will be discussed in the uncertainty section
Furfural	**9.83E+00**	**3.70E+00**	**Y**	**HEAST Alternate**	**Y**	**Maximum concentration exceeds RBC**
n-Hexane	4.32E+00	2.10E+01	N	IRIS	N	Maximum concentration does not exceed RBC
Hydrogen Fluoride	**8.31E-02**	NA	NA	NA	N	Reference Doses or slope factors are not available for this chemical. Potential effects will be discussed in the uncertainty section
Hydrogen Chloride	2.58E-01	2.10E+00	N	IRIS	N	Maximum concentration does not exceed RBC
Maleic Anhydride	3.53E+00	3.70E+01	N	IRIS	N	Maximum concentration does not exceed RBC
Manganese	2.11E-03	5.20E-03	N	IRIS	N	Maximum concentration does not exceed RBC
Methanol	6.56E-01	1.80E+02	N	IRIS	N	Maximum concentration does not exceed RBC
Methyl Tertiary Butyl Ether (MTBE)	1.11E+01	3.10E+02	N	IRIS	N	Maximum concentration does not exceed RBC
Naphthalene	**1.62E+01**	**3.30E-01**	**Y**	**IRIS**	**Y**	**Maximum concentration exceeds RBC**
Nickel	1.18E+00	7.50E-03	Y	IRIS	N	Maximum concentration does not exceed RBC
Nonane	3.16E-01	NA	NA	NA	N	Reference Doses or slope factors are not available for this chemical. Potential effects will be discussed in the uncertainty section
Propylene	1.81E+01	NA	NA	NA	N	Reference Doses or slope factors are not available for this chemical. Potential effects will be discussed in the uncertainty section
Styrene	5.48E-01	1.00E+02	N	IRIS	N	Maximum concentration does not exceed RBC
1,1,1-Trichloroethane	1.16E+00	2.30E+01	N	EPA-NCEA Provisonal	N	Maximum concentration does not exceed RBC
Titanium Dioxide	4.55E-02	3.10E+00	N	EPA-NCEA Provisonal	N	Maximum concentration does not exceed RBC
1,2,4-Trimethylbenzene	**1.81E+01**	**6.20E-01**	**Y**	**EPA-NCEA Provisonal**	**Y**	**Maximum concentration exceeds RBC**
Toluene	**1.87E+02**	**4.20E+01**	**Y**	**IRIS**	**Y**	**Maximum concentration exceeds RBC**
Xylene	1.66E+02	7.30E+02	N	IRIS	N	Maximum concentration does not exceed RBC

TABLE 3.2-1
OCCURRENCE AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN
TASK 1 DATA

Chemical	Maximum Concentration (ug/m3)	Ambient Air RBC (ug/m3)	Maximum Exceed RBC? Y or N	Source of Toxicity Value Used to Derive RBC	Selected as a COPC for Quantitative Risk Analysis (Y or N)?	NOTES
Acrylic Acid	**5.95E-02**	**NA**	**NA**	**IRIS**	**Y**	An inhalation RfC is available in IRIS for this chemical
Ammonia	3.39E-01	1.00E+01	N	IRIS	N	Maximum concentration does not exceed RBC
Anthracene	6.82E+00	1.10E+02	N	IRIS	N	Maximum concentration does not exceed RBC
Antimony	**1.20E+00**	**1.50E-01**	**Y**	**IRIS**	**Y**	**Maximum concentration exceeds RBC**
Arsenic	**2.54E-02**	**4.10E-04**	**Y**	**IRIS**	**Y**	**Maximum concentration exceeds RBC**
Benzene	**2.27E+02**	**2.20E-01**	**Y**	**IRIS**	**Y**	**Maximum concentration exceeds RBC**
Biphenyl	2.91E-01	1.80E+01	N	IRIS	N	Maximum concentration does not exceed RBC
1,3-Butadiene	**3.53E-01**	**3.50E-03**	**Y**	**HEAST**	**Y**	**Maximum concentration exceeds RBC**
Calcium Oxides	3.26E+00	NA	NA	NA	N	Reference Doses or slope factors are not available for this chemical. Potential effects will be discussed in the uncertainty section
Carbon Tetrachloride	**2.33E+00**	**1.20E-01**	**Y**	**IRIS**	**Y**	**Maximum concentration exceeds RBC**
Chrysene	7.33E-02	8.60E-01	N	EPA-NCEA Provisonal	N	Maximum concentration does not exceed RBC
Chlorine	**4.33E+00**	**2.10E-02**	**Y**	**EPA-NCEA Provisonal**	**Y**	**Maximum concentration exceeds RBC**
Cumene	3.45E+01	4.00E+01	N	IRIS	N	Maximum concentration does not exceed RBC
Cyclohexane	1.69E+01	NA	NA	NA	N	Reference Doses or slope factors are not available for this chemical. Potential effects will be discussed in the uncertainty section
Dichloromethane	3.21E+00	3.80E+00	N	IRIS	N	Maximum concentration does not exceed RBC
Ethylbenzene	3.50E+01	1.10E+02	N	IRIS	N	Maximum concentration does not exceed RBC
Ethylene	1.28E+00	NA	NA	NA	N	Reference Doses or slope factors are not available for this chemical. Potential effects will be discussed in the uncertainty section
Furfural	**1.01E+01**	**3.70E+00**	**Y**	**HEAST Alternate**	**Y**	**Maximum concentration exceeds RBC**
n-Hexane	4.45E+00	2.10E+01	N	IRIS	N	Maximum concentration does not exceed RBC
Hydrogen Fluoride	8.39E-02	NA	NA	NA	N	Reference Doses or slope factors are not available for this chemical. Potential effects will be discussed in the uncertainty section
Hydrogen Chloride	**5.35E+01**	**2.10E+00**	**Y**	**IRIS**	**Y**	**Maximum concentration exceeds RBC**
Maleic Anhydride	5.65E+00	3.70E+01	N	IRIS	N	Maximum concentration does not exceed RBC
Manganese	2.11E-03	5.20E-03	N	IRIS	N	Maximum concentration does not exceed RBC
Methanol	6.68E-01	1.80E+02	N	IRIS	N	Maximum concentration does not exceed RBC
Methyl Tertiary Butyl Ether (MTBE)	1.13E+01	3.10E+02	N	IRIS	N	Maximum concentration does not exceed RBC
Naphthalene	**1.66E+01**	**3.30E-01**	**Y**	**IRIS**	**Y**	**Maximum concentration exceeds RBC**
Nickel	1.22E+00	7.50E-03	N	IRIS	N	Maximum concentration does not exceed RBC
Nonane	3.27E-01	NA	NA	NA	N	Reference Doses or slope factors are not available for this chemical. Potential effects will be discussed in the uncertainty section
Propylene	2.40E+01	NA	NA	NA	N	Reference Doses or slope factors are not available for this chemical. Potential effects will be discussed in the uncertainty section
Styrene	5.62E-01	1.00E+02	N	IRIS	N	Maximum concentration does not exceed RBC
1,1,1-Trichloroethane	1.19E+00	2.30E+01	N	EPA-NCEA Provisonal	N	Maximum concentration does not exceed RBC
Titanium Dioxide	4.52E-02	3.10E+00	N	EPA-NCEA Provisonal	N	Maximum concentration does not exceed RBC
1,2,4-Trimethylbenzene	**1.87E+01**	**6.20E-01**	**Y**	**EPA-NCEA Provisonal**	**Y**	**Maximum concentration exceeds RBC**
Toluene	**1.93E+02**	**4.20E+01**	**Y**	**IRIS**	**Y**	**Maximum concentration exceeds RBC**
Xylene	1.71E+02	7.30E+02	N	IRIS	N	Maximum concentration does not exceed RBC

TABLE 3.4-1
REASONABLE MAXIMUM EXPOSURE PARAMETERS
ADULT RESIDENT RECEPTOR

Parameter	Symbol	Value	Units	Reference
Exposure Frequency	EF	350	days/year	EPA (1991)
Exposure Duration	ED	24	years	EPA (1991)
Body Weight	BW	70	kg	EPA (1991)
Averaging Time				
Carcinogens	ATc	70	years	EPA (1988)
Noncarcinogens	ATn	24	years	Based on Exposure Duration
Inhalation Rate	IHR	20	m^3/day	EPA (1991)
Conversion Factor	CF3	1.00E+03	µg/mg	Not Applicable

TABLE 3.4-2
REASONABLE MAXIMUM EXPOSURE PARAMETERS
CHILD RESIDENT RECEPTOR

Parameter	Symbol	Value	Units	Reference
Exposure Frequency	EF	350	days/year	EPA (1991)
Exposure Duration	ED	6	years	EPA (1991)
Body Weight	BW	15	kg	EPA (1991)
Averaging Time				
Carcinogens	ATc	70	years	EPA (1988)
Noncarcinogens	ATn	6	years	Based on Exposure Duration
Inhalation Rate	IHR	12	m^3/day	EPA (1991)
Conversion Factor	CF3	1.00E+03	µg/mg	Not Applicable

TABLE 3.4-3
CENTRAL TENDENCY EXPOSURE PARAMETERS
ADULT RESIDENT RECEPTOR

Parameter	Symbol	Value	Units	Reference
Exposure Frequency	EF	234	days/year	EPA (1991)
Exposure Duration	ED	9	years	EPA (1991) and EPA (1997b)- approximate average time in one residence
Body Weight	BW	70	kg	EPA (1991)
Averaging Time				
Carcinogens	ATc	70	years	EPA (1988)
Noncarcinogens	ATn	9	years	Based on Exposure Duration
Inhalation Rate	IHR	15.2	m^3/day	EPA (1997b), Table 5-23, mean IHR for adult males
Conversion Factor	CF3	1.00E+03	µg/mg	Not Applicable

TABLE 3.4-4
CENTRAL TENDENCY EXPOSURE PARAMETERS
CHILD RESIDENT RECEPTOR

Parameter	Symbol	Value	Units	Reference
Exposure Frequency	EF	234	days/year	EPA (1991)
Exposure Duration	ED	6	years	EPA (1991) and EPA (1997b)- lower of years lived or average time in one residence
Body Weight	BW	15	kg	EPA (1991)
Averaging Time				
Carcinogens	ATc	70	years	EPA (1988)
Noncarcinogens	ATn	6	years	Based on Exposure Duration
Inhalation Rate	IHR	8.3	m^3/day	EPA (1997b), Table 5-23, mean IHR for children 3 to 5 years
Conversion Factor	CF3	1.00E+03	µg/mg	Not Applicable

TABLE 3.5-1
NON-CANCER TOXICITY DATA - ORAL

Chemical of Potential Concern	Chronic/ Subchronic	Oral RfD Value (mg/kg-day)	Primary Target Organ/Critical Effect	Reference	Date
Acrylic Acid	Chronic	5.00E-01	Decreased body weight, reproductive effects	IRIS	Apr-00
Antimony	Chronic	4.00E-04	Blood and glucose changes	IRIS	Apr-00
Arsenic	Chronic	3.00E-04	Hyperpigmentation, keratosis, possible vascular complications	IRIS	Apr-00
Benzene	Chronic	3.00E-03	Neurological toxicity	IRIS	Apr-00
1,3-Butadiene	Chronic	NA	NA	NA	NA
Carbon Tetrachloride	Chronic	7.00E-04	Liver toxicity	IRIS	Apr-00
Chlorine	Chronic	1.00E-01	Decrease in body weight and weight of brain and liver	IRIS	Apr-00
Furfural	Chronic	3.00E-03	Liver toxicity	IRIS	Apr-00
Hydrogen Chloride	Chronic	NA	NA	NA	NA
Naphthalene	Chronic	2.00E-02	Decreased body weight	IRIS	Apr-00
Nickel	Chronic	2.00E-02	Decreased body weight	IRIS	Apr-00
Toluene	Chronic	2.00E-01	Alterations in kidney and liver weights	IRIS	Apr-00
1,2,4-Trimethylbenzene	Chronic	5.00E-02	Neurological effects	EPA/NCEA provisional	Oct-99

IRIS = IRIS
NOAEL = No Observed Adverse Effect Level
EPA/NCEA provisional = Environmental Protection Agency/National Center for Environmental Assessment Provision Values
HEAST = Health Effects Assessment Summary Tables

TABLE 3.5-2
NON-CANCER TOXICITY DATA - INHALATION

Chemical of Potential Concern	Chronic/ Subchronic	Inhalation RfD Value (mg/kg-day)	Inhalation RfC Value (mg/m^3)	Primary Target Organ	Reference	Date
Acrylic Acid	Chronic	2.86E-04	1.00E-03	Degeneration of nasal olfactory epithelium and reproductive effects	IRIS	Apr-00
Antimony	Chronic	NA	NA	NA	NA	NA
Arsenic	Chronic	NA	NA	NA	NA	NA
Benzene	Chronic	1.70E-03	5.95E-03	Neurological and hematopoietic toxicity	EPA-NCEA provisional	Oct-99
1,3-Butadiene	Chronic	NA	NA	NA	NA	NA
Carbon Tetrachloride	Chronic	5.71E-04	2.00E-03	Liver Effects	IRIS	Apr-00
Chlorine	Chronic	5.70E-05	2.00E-04	Respiratory Effects, pulmonary effects	EPA-NCEA provisional	Jun-99
Furfural	Chronic	1.00E-02	3.50E-02	Respiratory effects, nervous system effects	HEAST ALTERNATE	Jul-97
Hydrogen Chloride	Chronic	5.70E-03	2.00E-02	Hyperplasia of nasal mucosa larynx and trachea	IRIS	Apr-00
Naphthalene	Chronic	9.00E-04	3.15E-03	Respiratory Effects	EPA-NCEA provisional	Oct-99
Nickel	Chronic	NA	NA	NA	NA	NA
Toluene	Chronic	1.14E-01	3.99E-01	Neurological effects	IRIS	Apr-00
1,2,4-Trimethylbenzene	Chronic	1.70E-03	5.95E-03	Nervous System	EPA-NCEA provisional	Oct-99

IRIS = Integrated Risk Information System
NOAEL = No Observed Adverse Effect Level
EPA/NCEA provisional = Environmental Protection Agency/National Center for Environmental Assessment Provision Values
HEAST = Health Effects Assessment Summary Tables

TABLE 3.6-1
CANCER TOXICITY DATA - ORAL

Chemical of Potential Concern	Oral Cancer Slope Factor (1/mg/kg-day)	Weight of Evidence	Reference	Date
Arsenic	1.50E+00	A	IRIS	Apr-00
Benzene	2.90E-02	A	IRIS	Apr-00
1,3-Butadiene	NA-gas at room temperature	B2	IRIS	Apr-00
Carbon Tetrachloride	1.30E-01	B2	IRIS	Apr-00
Nickel	NA	NA	NA	NA

IRIS = Integrated Risk Information System
EPA/NCEA provisional = Environmental Protection Agency/National Center for Environmental Assessment Provision Values
HEAST = Health Effects Assessment Summary Tables

TABLE 3.6-2
CANCER TOXICITY DATA - INHALATION

Chemical of Potential Concern	Inhalation Cancer Slope Factor (1/mg/kg-day)	Weight of Evidence	Reference	Date
Arsenic	1.50E+01	A	IRIS	Apr-00
Benzene	2.90E-02	A	IRIS	Apr-00
1,3-Butadiene	9.80E-01	B2	IRIS	Apr-00
Carbon Tetrachloride	5.30E-02	B2	IRIS	Apr-00
Nickel (as Nickel subsulfide)	4.20E-01	A	IRIS modified per EPA OAQPS	April-00, Feb-00

IRIS = Integrated Risk Information System
EPA/NCEA provisional = Environmental Protection Agency/National Center for Environmental Assessment Provision Values
HEAST = Health Effects Assessment Summary Tables
EPA OAQPS = Office of Air Quality and Protection and Standards

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
360.302	4247.704	5.97E-03	9.99E-02	4.18E-03	1.02E+02	2.80E-02	1.07E+01	7.22E-02	2.95E-06	2.13E+00	2.32E-03	8.42E+00	1.30E+00	1.25E+02	
360.623	4247.86	9.92E-03	1.39E-01	6.29E-03	3.24E+01	3.37E-02	5.83E+01	7.15E-01	1.39E-04	1.61E+00	3.29E-03	3.41E-01	1.13E-01	9.36E+01	
360.6	4247.8	6.44E-03	1.32E-01	6.13E-03	2.95E+01	2.78E-02	4.59E+01	3.68E-01	7.62E-05	1.38E+00	3.20E-03	3.93E-01	1.04E-01	7.78E+01	
360.578	4247.772	6.34E-03	1.31E-01	6.02E-03	2.89E+01	2.65E-02	4.04E+01	2.45E-01	5.10E-05	1.31E+00	3.16E-03	4.72E-01	1.07E-01	7.16E+01	
360.239	4248.398	1.16E-02	2.31E+00	6.48E-02	3.64E+00	2.01E-01	5.55E+01	5.51E-02	9.83E-04	2.75E-01	4.68E-02	7.75E-01	6.07E-02	6.29E+01	
360.668	4247.947	1.97E-02	1.44E-01	6.57E-03	1.42E+01	4.47E-02	2.92E+01	7.71E-01	3.57E-04	7.60E-01	3.44E-03	2.80E-01	6.46E-02	4.55E+01	
360.705	4247.78	4.16E-03	1.04E-01	6.06E-03	1.51E+01	3.41E-02	2.76E+01	2.75E-01	1.10E-04	8.41E-01	2.89E-03	2.42E-01	6.28E-02	4.43E+01	
360.4	4248.912	1.68E-02	1.69E-01	9.41E-03	3.23E+00	2.05E+00	3.44E+01	3.12E-02	9.08E-05	7.48E-01	4.42E-03	1.80E+00	1.11E-01	4.25E+01	
360.6	4247.7	5.34E-03	1.08E-01	5.51E-03	1.66E+01	2.27E-02	2.24E+01	1.30E-01	4.32E-05	8.93E-01	2.77E-03	3.76E-01	8.22E-02	4.06E+01	
360.341	4248.904	1.55E-02	1.94E-01	9.96E-03	2.86E+00	1.43E+00	3.30E+01	2.87E-02	1.00E-04	5.18E-01	4.82E-03	1.42E+00	8.97E-02	3.95E+01	
360.7	4247.9	1.74E-02	1.24E-01	6.14E-03	1.24E+01	3.67E-02	2.46E+01	4.48E-01	2.21E-04	6.84E-01	3.09E-03	2.41E-01	5.57E-02	3.89E+01	
360.301	4247.402	1.16E-02	4.83E-02	2.26E-03	2.40E+00	1.59E-02	2.41E+01	1.48E-02	1.40E-05	1.15E+01	1.18E-03	1.86E-01	4.70E-01	3.87E+01	
360.263	4247.743	5.75E-03	1.36E-01	5.26E-03	2.21E+01	2.94E-02	9.83E+00	8.04E-02	1.91E-05	1.08E+00	3.08E-03	1.61E+00	2.53E-01	3.52E+01	
360.656	4247.671	5.47E-03	9.93E-02	5.69E-03	1.34E+01	3.04E-02	2.02E+01	1.22E-01	5.21E-05	7.92E-01	2.74E-03	2.89E-01	6.71E-02	3.49E+01	
360.23	4248.121	6.64E-03	1.85E+00	5.19E-02	5.39E+00	7.66E-02	2.47E+01	7.17E-02	6.91E-04	3.68E-01	3.73E-02	4.33E-01	5.08E-02	3.30E+01	
360.4	4249	1.64E-02	1.49E-01	9.35E-03	2.54E+00	1.75E+00	2.64E+01	2.70E-02	9.94E-05	5.21E-01	4.15E-03	1.22E+00	7.80E-02	3.27E+01	
360.196	4248.694	1.43E-02	4.72E-01	1.71E-02	2.54E+00	4.54E-01	2.75E+01	2.89E-02	1.95E-04	2.65E-01	1.01E-02	8.17E-01	6.16E-02	3.22E+01	
360.7	4248	2.22E-02	1.30E-01	6.33E-03	9.26E+00	4.97E-02	2.15E+01	3.67E-01	2.51E-04	5.29E-01	3.21E-03	2.70E-01	4.93E-02	3.21E+01	
360.289	4248.002	6.41E-03	5.63E-01	1.73E-02	1.06E+01	5.74E-02	1.92E+01	1.17E-01	1.91E-04	5.38E-01	1.16E-02	6.20E-01	8.45E-02	3.18E+01	
360.5	4249	2.00E-02	1.23E-01	8.32E-03	3.09E+00	2.99E+00	2.28E+01	2.91E-02	7.82E-05	6.07E-01	3.64E-03	1.58E+00	1.05E-01	3.13E+01	
360.2	4248.1	6.65E-03	1.33E+00	3.81E-02	4.77E+00	6.97E-02	2.40E+01	6.12E-02	4.90E-04	3.60E-01	2.70E-02	3.97E-01	4.65E-02	3.11E+01	
360.713	4248.035	2.27E-02	1.19E-01	6.11E-03	7.66E+00	5.38E-02	1.89E+01	2.73E-01	2.18E-04	4.55E-01	3.03E-03	2.81E-01	4.54E-02	2.78E+01	
360.302	4247.5	1.17E-02	5.89E-02	2.80E-03	3.91E+00	1.88E-02	8.71E+00	2.20E-02	1.57E-05	1.41E+01	1.46E-03	2.38E-01	1.56E-01	2.73E+01	
360.527	4247.67	7.88E-03	1.03E-01	4.88E-03	1.31E+01	2.30E-02	1.22E+01	7.70E-02	2.87E-05	8.84E-01	2.53E-03	5.73E-01	1.07E-01	2.71E+01	
360.169	4248.084	7.04E-03	9.03E-01	2.67E-02	4.15E+00	6.44E-02	2.07E+01	5.28E-02	3.39E-04	3.54E-01	1.84E-02	3.60E-01	4.29E-02	2.67E+01	
360.198	4248.033	7.14E-03	6.99E-01	2.12E-02	5.27E+00	5.69E-02	1.92E+01	6.38E-02	2.57E-04	4.06E-01	1.44E-02	3.92E-01	5.01E-02	2.61E+01	
360.245	4247.842	6.49E-03	2.24E-01	8.06E-03	1.20E+01	3.63E-02	1.19E+01	8.32E-02	5.59E-05	7.57E-01	4.91E-03	8.86E-01	1.22E-01	2.60E+01	
360.3	4249	1.43E-02	1.74E-01	9.68E-03	2.06E+00	9.80E-01	2.12E+01	2.33E-02	1.10E-04	3.51E-01	4.45E-03	8.44E-01	5.70E-02	2.57E+01	
360.8	4247.8	8.73E-03	9.40E-02	6.00E-03	8.18E+00	4.54E-02	1.63E+01	2.27E-01	1.66E-04	5.02E-01	2.75E-03	2.56E-01	4.52E-02	2.57E+01	
360.188	4248.787	1.44E-02	3.25E-01	1.30E-02	2.20E+00	5.05E-01	2.15E+01	2.49E-02	1.47E-04	2.66E-01	7.20E-03	7.59E-01	5.61E-02	2.57E+01	
360.578	4247.646	8.73E-03	9.53E-02	4.89E-03	1.12E+01	2.03E-02	1.30E+01	8.02E-02	3.50E-05	7.71E-01	2.45E-03	3.84E-01	9.17E-02	2.56E+01	
360.212	4247.985	7.19E-03	4.61E-01	1.47E-02	6.36E+00	5.05E-02	1.68E+01	7.14E-02	1.65E-04	4.68E-01	9.61E-03	4.39E-01	5.84E-02	2.48E+01	
360.117	4248.126	6.65E-03	9.68E-01	2.81E-02	3.13E+00	6.94E-02	1.95E+01	4.06E-02	3.63E-04	3.08E-01	1.97E-02	3.27E-01	3.62E-02	2.44E+01	
360.253	4248.902	1.44E-02	2.21E-01	1.04E-02	2.22E+00	7.99E-01	1.98E+01	2.43E-02	1.14E-04	3.30E-01	5.22E-03	8.91E-01	6.26E-02	2.44E+01	
360.226	4247.933	7.02E-03	3.34E-01	1.11E-02	7.79E+00	4.46E-02	1.46E+01	7.62E-02	1.09E-04	5.61E-01	7.06E-03	5.18E-01	7.15E-02	2.40E+01	
360.6	4249	2.40E-02	9.70E-02	7.13E-03	3.20E+00	3.13E+00	1.48E+01	2.89E-02	6.43E-05	5.76E-01	3.06E-03	1.54E+00	1.08E-01	2.35E+01	
360.8	4247.9	2.71E-02	1.02E-01	5.93E-03	6.84E+00	5.77E-02	1.52E+01	1.96E-01	1.70E-04	4.23E-01	2.81E-03	2.54E-01	4.09E-02	2.32E+01	
360.052	4248.165	5.76E-03	9.96E-01	2.84E-02	2.36E+00	7.16E-02	1.82E+01	3.10E-02	3.73E-04	2.62E-01	2.02E-02	2.92E-01	3.02E-02	2.23E+01	
360.186	4248.85	1.42E-02	2.67E-01	1.14E-02	2.02E+00	5.25E-01	1.84E+01	2.30E-02	1.30E-04	2.63E-01	6.05E-03	7.17E-01	5.25E-02	2.23E+01	
360.1	4248.2	5.99E-03	1.63E+00	4.54E-02	2.74E+00	8.40E-02	1.70E+01	3.68E-02	6.10E-04	2.65E-01	3.30E-02	3.29E-01	3.35E-02	2.22E+01	
360.261	4247.658	6.55E-03	1.08E-01	4.31E-03	1.07E+01	2.46E-02	9.00E+00	5.28E-02	2.13E-05	1.32E+00	2.48E-03	6.69E-01	1.22E-01	2.20E+01	
360.5	4249.1	1.86E-02	1.07E-01	7.87E-03	2.25E+00	1.77E+00	1.56E+01	2.43E-02	8.49E-05	4.01E-01	3.33E-03	1.00E+00	6.91E-02	2.12E+01	
360.2	4248.9	1.41E-02	2.35E-01	1.07E-02	1.95E+00	5.75E-01	1.69E+01	2.22E-02	1.21E-04	2.70E-01	5.42E-03	7.16E-01	5.17E-02	2.08E+01	
360.03	4248.262	6.00E-03	5.85E-01	1.74E-02	2.08E+00	8.82E-02	1.71E+01	2.80E-02	2.34E-04	2.23E-01	1.20E-02	3.03E-01	2.89E-02	2.04E+01	
360.775	4248.017	2.75E-02	9.75E-02	5.56E-03	5.44E+00	5.17E-02	1.38E+01	1.76E-01	1.79E-04	3.54E-01	2.64E-03	2.50E-01	3.70E-02	2.02E+01	
360.4	4249.1	1.50E-02	1.20E-01	8.10E-03	1.96E+00	1.18E+00	1.52E+01	2.29E-02	9.45E-05	3.56E-01	3.48E-03	8.26E-01	5.57E-02	1.97E+01	
360.6	4247.6	1.20E-02	8.43E-02	4.59E-03	8.30E+00	1.88E-02	1.00E+01	6.32E-02	3.50E-05	7.04E-01	2.24E-03	3.04E-01	8.52E-02	1.96E+01	
360.6	4249.1	2.29E-02	9.41E-02	7.49E-03	2.28E+00	1.79E+00	1.39E+01	2.41E-02	7.92E-05	3.91E-01	3.15E-03	9.80E-01	6.97E-02	1.96E+01	
360.187	4248.927	1.38E-02	2.23E-01	1.04E-02	1.81E+00	5.28E-01	1.56E+01	2.10E-02	1.20E-04	2.54E-01	5.19E-03	6.52E-01	4.73E-02	1.92E+01	
360.305	4247.6	8.43E-03	7.57E-02	3.41E-03	6.69E+00	2.27E-02	8.58E+00	3.72E-02	1.84E-05	2.72E+00	1.82E-03	3.93E-01	1.02E-01	1.88E+01	
360.9	4247.9	4.29E-02	8.20E-02	5.44E-03	5.23E+00	6.00E-02	1.24E+01	1.26E-01	1.31E-04	3.52E-01	2.45E-03	2.69E-01	3.71E-02	1.87E+01	
360.8	4248	3.04E-02	9.21E-02	5.41E-03	4.88E+00	4.97E-02	1.24E+01	1.53E-01	1.70E-04	3.27E-01	2.54E-03	2.35E-01	3.39E-02	1.82E+01	
360.2	4249	1.34E-02	1.89E-01	9.59E-03	1.67E+00	5.45E-01	1.45E+01	1.97E-02	1.13E-04	2.47E-01	4.55E-03	5.99E-01	4.30E-02	1.78E+01	
360.9	4247.8	2.65E-02	7.97E-02	5.48E-03	5.16E+00	4.67E-02	1.16E+01	1.24E-01	1.32E-04	3.61E-01	2.44E-03	2.25E-01	3.41E-02	1.77E+01	
360.9	4248	4.59E-02	7.52E-02	5.25E-03	4.45E+00	7.77E-02	1.16E+01	1.26E-01	1.49E-04	3.12E-01	2.32E-03	3.29E-01	4.09E-02	1.71E+01	
360.7	4249	2.72E-02	7.62E-02	6.18E-03	2.72E+00	1.87E+00	1.04E+01	2.76E-02	6.25E-05	4.93E-01	2.57E-03	1.21E+00	8.57E-02	1.70E+01	
360.9	4247.7	1.31E-02	7.34E-02	5.58E-03	5.14E+00	3.68E-02	1.09E+01	1.05E-01	1.14E-04	3.80E-01	2.42E-03	1.89E-01	3.16E-02	1.69E+01	
360.403	4249.137	1.46E-02	1.11E-01	7.63E-03	1.66E+00	9.98E-01	1.28E+01	2.12E-02	9.74E-05	3.03E-01	3.25E-03	6.36E-01	4.25E-02	1.66E+01	
360.8	4248.102	2.90E-02	7.98E-02	5.21E-03	4.12E+00	6.58E-02	1.15E+01	1.19E-01	1.50E-04	2.90E-01	2.36E-03	3.05E-01	3.99E-02	1.65E+01	
360.498	4249.157	1.73E-02	9.51E-02	7.21E-03	1.85E+00	1.25E+00	1.19E+01	2.20E-02	8.55E-05	3.11E-01	3.01E-03	7.62E-01	5.36E-02	1.63E+01	
360.607	4247.562	1.31E-02	7.74E-02	4.37E-03	6.76E+00	2.02E-02	8.26E+00	5.39E-02	3.49E-05	7.10E-01	2.10E-03	2.74E-01	9.68E-02	1.63E+01	
360.3	4249.1	1.29E-02	1.34E-01	8.13E-03	1.66E+00	7.27E-01	1.26E+01	2.02E-02	9.91E-05	2.69E-01	3.59E-03	6.26E-01	4.38E-02	1.61E+01	
360.254	4247.334	9.96E-03	5.62E-02	2.34E-03	1.35E+00	1.39E-02	1.20E+01	1.15E-02	1.99E-05	2.27E+00	1.30E-03	1.23E-01	2.10E-01	1.60E+01	
360.728	4248.992	2.80E-02	7.22E-02	5.99E-03	2.59E+00	1.64E+00	9.74E+00	2.74E-02	6.33E-05	4.49E-01	2.47E-03	1.13E+00	8.03E-02	1.58E+01	
360.7	4249.1	2.65E-02	7.79E-02	6.86E-03	2.04E+00	1.24E+00	1.10E+01	2.32E-02	7.82E-05	3.40E-01	2.83E-03	8.23E-01	5.96E-02	1.56E+01	
360.334	4249.128	1.31E-02	1.22E-01	7.80E-03	1.55E+00	7.64E-01	1.22E+01	2.00E-02	1.01E-04	2.66E-01	3.39E-03	5.62E-01	3.83E-02	1.55E+01	
360.256	4247.423	1.24E-02	6.80E-02	2.87E-03	2.16E+00	1.60E-02	8.21E+00	1.56E-02	2.08E-05	4.61E+00	1.59E-03	1.52E-01	1.30E-01	1.54E+01	
360.546	4247.561	1.43E-02	7.37E-02	3.92E-03	6.62E+00	1.72E-02	7.23E+00	4.58E-02	2.71E-05	8.85E-01	1.92E-03	2.94E-01	5.94E-02	1.52E+01	
360.9	4247.6	5.77E-02	6.81E-02	5.55E-03	4.60E+00	2.94E-02	9.51E+00	8.01E-02	9.67E-05	3.78E-01	2.37E-03	1.63E-01	2.90E-02	1.49E+01	
360.171	4249.034	1.28E-02	1.72E-01	8.87E-03	1.49E+00	4.52E-01	1.17E+01	1.81E-02	1.07E-04	2.15E-01	4.16E-03	5.10E-01	3.74E-02	1.46E+01	
360.825	4248.188	3.00E-02	7.69E-02	5.27E-03	3.31E+00	8.40E-02	1.03E+01	8.59E-02	1.37E-04	2.54E-01	2.35E-03	3.77E-01	4.96E-02	1.46E+01	
360.9	4248.1	3.95E-02	6.61E-02	4.98E-03	3.46E+00	1.01E-01	9.99E+00	1.00E-01	1.45E-04	2.60E-01	2.14E-03	3.94E-01	4.56E-02	1.45E+01	
360.794	4248.896	2.99E-02	6.98E-02	5.72E-03	2.51E+00	1.32E+00	8.97E+00	2.97E-02	6.77E-05	3.96E-01	2.38E-03	1.03E+00	7.17E-02	1.44E+01	
359.934	4248.308	5.78E-03	2.69E-01	9.19E-03	1.59E+00	8.14E-02	1.17E+01	2.11E-02	1.22E-04	2.00E-01	5.73E-03	2.53E-01	2.44E-02	1.42E+01	
359.992	4248.193	5.11E-03	4.69E-01	1.41E-02	1.91E+00	7.07E-02	1.11E+01	2.54E-02	1.68E-04	2.38E-01	9.67E-03	2.50E-01	2.63E-02	1.41E+01	
360.838	4248.485	3.05E-02	7.96E-02	5.69E-03	2.69E+00	3.49E-01	9.63E+00	4.91E-02	1.04E-04	2.52E-01	2.49E-03	8.10E-01	5.98E-02	1.40E+01	
360.049	4248.941	1.27E-02	1.83E-01	8.75E-03	1.34E+00	2.70E-01	1.13E+01	1.70E-02	1.11E-04	1.71E-01	4.29E-03	4.01E-01	3.12E-02	1.37E+01	
360.843	4248.678	3.17E-02	7.62E-02	5.78E-03	2.52E+00	7.34E-01	8.96E+00	3.80E-02	8.70E-05	2.90E-01	2.50E-03	9.28E-01	6.26E-02	1.36E+01	
360.269	4249.127	1.22E-02	1.30E-01	7.78E-03	1.45E+00	5.74E-01	1.07E+01	1.85E-02	9.96E-05	2.27E-01	3.44E-03	5.02E-01	3.57E-02	1.36E+01	
360.592	4249.185	2.02E-02	8.13E-02	6.72E-03	1.77E+00	1.08E+00	9.38E+00	2.09E-02	7.93E-05	2.77E-01	2.78E-03	7.04E-01	5.14E-02	1.34E+01	
360.1	4249	1.27E-02	1.76E-01	8.68E-03	1.37E+00	3.32E-01	1.06E+01	1.70E-02	1.07E-04	1.85E-01	4.17E-03	4.37E-01	3.32E-02	1.32E+01	
361	4247.9	3.75E-02	6.59E-02	4.80E-03	3.47E+00	5.84E-02	8.88E+00	7.59E-02	1.05E-04	2.62E-01	2.09E-03	2.37E-01	2.93E-02	1.31E+01	
360.827	4248.784	3.10E-02	7.30E-02	5.73E-03	2.36E+00	1.01E+00	8.29E+00	3.18E-02	7.73E-05	3.21E-01	2.44E-03	8.59E-01	5.76E-02	1.30E+01	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
361	4248	4.04E-02	6.52E-02	4.92E-03	3.15E+00	7.36E-02	8.93E+00	7.86E-02	1.23E-04	2.46E-01	2.13E-03	2.85E-01	3.23E-02	1.29E+01	
360.826	4248.376	2.75E-02	8.04E-02	5.58E-03	2.65E+00	1.46E-01	9.10E+00	5.84E-02	1.23E-04	2.27E-01	2.47E-03	5.65E-01	4.93E-02	1.29E+01	
359.839	4248.354	5.51E-03	1.51E-01	5.78E-03	1.24E+00	7.31E-02	1.07E+01	1.62E-02	7.53E-05	1.85E-01	3.36E-03	2.13E-01	2.01E-02	1.26E+01	
360.85	4248.273	2.95E-02	7.84E-02	5.39E-03	2.70E+00	1.04E-01	8.93E+00	6.55E-02	1.30E-04	2.25E-01	2.41E-03	4.24E-01	4.80E-02	1.26E+01	
361	4248.1	3.68E-02	5.98E-02	4.75E-03	2.89E+00	9.34E-02	8.78E+00	6.92E-02	1.14E-04	2.31E-01	2.01E-03	3.39E-01	3.66E-02	1.25E+01	
360.2	4249.1	1.21E-02	1.43E-01	7.94E-03	1.40E+00	4.61E-01	9.78E+00	1.74E-02	9.87E-05	2.06E-01	3.61E-03	4.77E-01	3.50E-02	1.25E+01	
361	4247.8	4.31E-02	6.86E-02	5.02E-03	3.33E+00	4.66E-02	8.46E+00	7.70E-02	1.16E-04	2.64E-01	2.19E-03	2.02E-01	2.65E-02	1.25E+01	
361	4248.2	3.44E-02	6.10E-02	4.76E-03	2.68E+00	1.18E-01	8.68E+00	6.11E-02	1.08E-04	2.22E-01	2.03E-03	4.10E-01	4.09E-02	1.23E+01	
360.578	4247.5	1.17E-02	6.44E-02	3.68E-03	4.84E+00	1.67E-02	6.08E+00	3.77E-02	2.86E-05	8.61E-01	1.75E-03	2.20E-01	7.71E-02	1.22E+01	
361	4247.7	5.44E-02	6.55E-02	5.20E-03	3.34E+00	3.75E-02	8.12E+00	7.18E-02	1.12E-04	2.72E-01	2.21E-03	1.70E-01	2.44E-02	1.22E+01	
360.9	4247.5	6.02E-02	6.25E-02	5.19E-03	3.76E+00	2.39E-02	7.60E+00	5.63E-02	7.77E-05	3.66E-01	2.20E-03	1.40E-01	2.61E-02	1.21E+01	
360.858	4248.572	3.03E-02	7.49E-02	5.50E-03	2.20E+00	3.57E-01	8.26E+00	3.89E-02	9.73E-05	2.19E-01	2.40E-03	6.22E-01	4.60E-02	1.19E+01	
360.233	4249.168	1.16E-02	1.24E-01	7.45E-03	1.32E+00	4.40E-01	9.22E+00	1.67E-02	9.42E-05	1.91E-01	3.27E-03	4.42E-01	3.28E-02	1.18E+01	
360.426	4247.312	6.83E-03	3.24E-02	1.85E-03	1.38E+00	1.10E-02	8.02E+00	1.10E-02	1.48E-05	1.99E+00	8.59E-04	1.03E-01	1.34E-01	1.17E+01	
360.9	4248.2	3.36E-02	6.68E-02	4.94E-03	2.54E+00	9.87E-02	8.04E+00	6.38E-02	1.24E-04	2.13E-01	2.14E-03	3.25E-01	3.55E-02	1.14E+01	
361	4247.6	1.31E-01	6.13E-02	5.71E-03	3.22E+00	3.05E-02	7.37E+00	6.20E-02	1.10E-04	2.78E-01	2.34E-03	1.45E-01	2.26E-02	1.13E+01	
359.9	4248.3	5.29E-03	1.95E-01	7.05E-03	1.46E+00	7.47E-02	8.94E+00	1.94E-02	9.35E-05	2.04E-01	4.23E-03	2.28E-01	2.26E-02	1.12E+01	
361	4248.8	3.46E-02	6.39E-02	5.32E-03	1.74E+00	3.92E-01	7.95E+00	2.49E-02	7.63E-05	2.01E-01	2.25E-03	6.01E-01	4.57E-02	1.11E+01	
360.513	4247.475	1.22E-02	5.49E-02	3.08E-03	3.85E+00	1.47E-02	5.41E+00	2.73E-02	2.18E-05	1.38E+00	1.47E-03	1.92E-01	6.87E-02	1.10E+01	
360.8	4249	2.82E-02	6.14E-02	5.42E-03	1.79E+00	1.06E+00	8.99E+00	2.41E-02	7.29E-05	3.06E-01	2.21E-03	6.11E-01	4.20E-02	1.09E+01	
360.875	4248.359	2.88E-02	7.27E-02	5.24E-03	2.26E+00	1.25E-01	7.70E+00	5.02E-02	1.17E-04	2.01E-01	2.29E-03	4.27E-01	3.84E-02	1.09E+01	
359.912	4248.213	4.76E-03	2.10E-01	7.23E-03	1.56E+00	6.47E-02	8.54E+00	2.09E-02	9.66E-05	2.35E-01	4.49E-03	2.15E-01	2.29E-02	1.09E+01	
361.1	4248.1	3.43E-02	5.83E-02	4.64E-03	2.30E+00	8.43E-02	7.79E+00	5.13E-02	1.03E-04	2.00E-01	1.97E-03	2.86E-01	2.91E-02	1.08E+01	
361.1	4248	3.59E-02	5.85E-02	4.69E-03	2.46E+00	6.90E-02	7.54E+00	5.60E-02	1.07E-04	2.09E-01	1.99E-03	2.46E-01	2.66E-02	1.07E+01	
360.171	4249.149	1.14E-02	1.30E-01	7.37E-03	1.23E+00	3.69E-01	8.27E+00	1.57E-02	9.38E-05	1.75E-01	3.31E-03	3.99E-01	3.01E-02	1.06E+01	
361.1	4247.9	3.29E-02	5.88E-02	4.51E-03	2.59E+00	5.62E-02	7.31E+00	5.26E-02	9.17E-05	2.15E-01	1.94E-03	2.14E-01	2.45E-02	1.06E+01	
359.797	4248.242	4.81E-03	1.40E-01	5.43E-03	1.25E+00	5.51E-02	8.61E+00	1.62E-02	7.01E-05	2.24E-01	3.10E-03	1.81E-01	1.93E-02	1.05E+01	
361	4248.7	3.33E-02	5.85E-02	4.93E-03	1.88E+00	3.55E-01	7.12E+00	2.85E-02	7.49E-05	2.02E-01	2.07E-03	6.25E-01	4.78E-02	1.04E+01	
360.9	4248.3	3.00E-02	7.01E-02	5.07E-03	2.19E+00	1.03E-01	7.31E+00	5.19E-02	1.20E-04	1.94E-01	2.22E-03	3.55E-01	3.45E-02	1.03E+01	
360.481	4247.39	8.74E-03	4.10E-02	2.40E-03	2.29E+00	1.27E-02	5.66E+00	1.67E-02	1.75E-05	2.11E+00	1.12E-03	1.28E-01	7.93E-02	1.03E+01	
361	4248.6	3.18E-02	5.76E-02	4.77E-03	1.91E+00	2.99E-01	7.15E+00	3.26E-02	8.13E-05	1.96E-01	2.01E-03	6.01E-01	4.60E-02	1.03E+01	
361	4248.9	3.40E-02	6.25E-02	5.50E-03	1.56E+00	4.01E-01	7.49E+00	2.20E-02	7.77E-05	1.92E-01	2.29E-03	5.27E-01	4.02E-02	1.03E+01	
360.198	4249.204	1.10E-02	1.17E-01	7.06E-03	1.18E+00	3.56E-01	7.92E+00	1.52E-02	9.06E-05	1.86E-01	3.09E-03	3.79E-01	2.87E-02	1.02E+01	
360.9	4248.5	3.02E-02	6.75E-02	5.09E-03	1.93E+00	1.90E-01	7.26E+00	3.66E-02	9.64E-05	1.85E-01	2.19E-03	4.43E-01	3.57E-02	1.02E+01	
361.1	4248.2	2.70E-02	5.41E-02	4.24E-03	2.19E+00	1.02E-01	7.10E+00	4.59E-02	8.87E-05	1.93E-01	1.80E-03	3.27E-01	3.15E-02	1.01E+01	
361.1	4248.6	3.83E-02	6.18E-02	5.16E-03	1.65E+00	2.14E-01	7.43E+00	2.80E-02	8.74E-05	1.71E-01	2.19E-03	4.46E-01	3.55E-02	1.01E+01	
361	4248.5	3.13E-02	5.91E-02	4.74E-03	1.86E+00	2.35E-01	7.08E+00	3.62E-02	9.20E-05	1.90E-01	2.00E-03	5.06E-01	3.91E-02	1.00E+01	
361.1	4248.5	3.28E-02	5.92E-02	4.73E-03	1.77E+00	1.84E-01	7.30E+00	3.36E-02	8.97E-05	1.76E-01	2.02E-03	4.37E-01	3.56E-02	1.00E+01	
360.678	4249.21	2.22E-02	6.79E-02	6.01E-03	1.45E+00	7.66E-01	6.93E+00	1.93E-02	7.99E-05	2.29E-01	2.46E-03	5.07E-01	3.71E-02	1.00E+01	
361	4247.5	1.59E-01	5.68E-02	5.70E-03	2.88E+00	2.51E-02	6.42E+00	4.98E-02	9.86E-05	2.83E-01	2.30E-03	1.25E-01	2.09E-02	1.00E+01	
361.1	4248.3	2.77E-02	5.66E-02	4.41E-03	2.08E+00	1.25E-01	7.10E+00	4.35E-02	9.24E-05	1.88E-01	1.88E-03	3.70E-01	3.40E-02	1.00E+01	
360	4249	1.18E-02	1.36E-01	7.02E-03	1.15E+00	2.25E-01	7.88E+00	1.50E-02	9.19E-05	1.48E-01	3.29E-03	3.28E-01	2.61E-02	9.93E+00	
360.9	4248.4	2.94E-02	6.75E-02	5.04E-03	2.01E+00	1.29E-01	7.02E+00	4.23E-02	1.06E-04	1.86E-01	2.17E-03	3.94E-01	3.42E-02	9.92E+00	
361	4248.3	3.10E-02	6.19E-02	4.73E-03	2.05E+00	1.45E-01	6.94E+00	4.92E-02	1.14E-04	1.93E-01	2.02E-03	4.04E-01	3.71E-02	9.91E+00	
360.1	4249.1	1.16E-02	1.37E-01	7.24E-03	1.15E+00	3.08E-01	7.68E+00	1.51E-02	9.55E-05	1.63E-01	3.35E-03	3.54E-01	2.70E-02	9.85E+00	
361.1	4247.8	3.09E-02	5.63E-02	4.33E-03	2.44E+00	4.60E-02	6.51E+00	5.37E-02	9.53E-05	2.11E-01	1.85E-03	1.84E-01	2.21E-02	9.56E+00	
361.1	4248.7	4.11E-02	5.98E-02	5.32E-03	1.53E+00	2.38E-01	6.98E+00	2.44E-02	8.47E-05	1.68E-01	2.22E-03	4.43E-01	3.50E-02	9.53E+00	
360.9	4248.6	3.01E-02	6.72E-02	5.12E-03	1.75E+00	2.36E-01	6.74E+00	3.23E-02	9.46E-05	1.78E-01	2.21E-03	4.19E-01	3.27E-02	9.49E+00	
361.1	4247.7	4.25E-02	5.79E-02	4.66E-03	2.44E+00	3.77E-02	6.44E+00	5.36E-02	1.02E-04	2.13E-01	1.97E-03	1.57E-01	2.03E-02	9.47E+00	
361.1	4248.4	2.88E-02	5.43E-02	4.36E-03	1.87E+00	1.53E-01	6.66E+00	3.99E-02	9.30E-05	1.79E-01	1.84E-03	4.04E-01	3.49E-02	9.43E+00	
359.868	4248.894	1.06E-02	1.16E-01	5.95E-03	1.03E+00	1.45E-01	7.70E+00	1.45E-02	8.34E-05	1.26E-01	2.82E-03	2.45E-01	2.07E-02	9.42E+00	
360.549	4247.407	8.03E-03	4.84E-02	2.90E-03	2.93E+00	1.44E-02	4.91E+00	2.24E-02	2.22E-05	1.23E+00	1.35E-03	1.45E-01	5.56E-02	9.37E+00	
359.958	4248.92	1.14E-02	1.30E-01	6.56E-03	1.14E+00	1.93E-01	7.33E+00	1.57E-02	9.03E-05	1.43E-01	3.13E-03	3.05E-01	2.48E-02	9.30E+00	
360.9	4247.4	3.48E-02	5.50E-02	4.48E-03	2.89E+00	1.98E-02	5.75E+00	3.94E-02	6.12E-05	3.52E-01	1.90E-03	1.18E-01	2.31E-02	9.28E+00	
360.115	4249.143	1.12E-02	1.28E-01	7.00E-03	1.09E+00	3.06E-01	7.21E+00	1.46E-02	9.39E-05	1.57E-01	3.18E-03	3.26E-01	2.48E-02	9.28E+00	
361	4248.4	3.06E-02	6.00E-02	4.69E-03	1.84E+00	1.82E-01	6.47E+00	3.99E-02	1.02E-04	1.86E-01	1.99E-03	4.21E-01	3.54E-02	9.27E+00	
359.749	4248.592	7.36E-03	1.26E-01	5.12E-03	9.55E-01	8.47E-02	7.73E+00	1.29E-02	6.91E-05	1.29E-01	2.90E-03	1.86E-01	1.66E-02	9.26E+00	
359.754	4248.513	6.51E-03	1.07E-01	4.52E-03	9.72E-01	7.83E-02	7.73E+00	1.29E-02	5.97E-05	1.41E-01	2.48E-03	1.83E-01	1.67E-02	9.25E+00	
360.2	4249.26	1.05E-02	1.07E-01	6.66E-03	1.09E+00	3.15E-01	7.16E+00	1.41E-02	8.65E-05	1.51E-01	2.88E-03	3.39E-01	2.60E-02	9.22E+00	
360.804	4247.376	1.37E-02	5.37E-02	4.01E-03	3.04E+00	1.82E-02	5.37E+00	3.50E-02	4.62E-05	4.56E-01	1.74E-03	1.27E-01	2.90E-02	9.15E+00	
359.743	4248.646	7.83E-03	1.28E-01	5.22E-03	9.41E-01	8.80E-02	7.62E+00	1.28E-02	7.11E-05	1.24E-01	2.95E-03	1.85E-01	1.65E-02	9.13E+00	
361.1	4247.6	6.97E-02	5.60E-02	5.10E-03	2.47E+00	3.13E-02	6.06E+00	5.02E-02	1.04E-04	2.26E-01	2.09E-03	1.35E-01	1.89E-02	9.13E+00	
361.1	4248.8	4.10E-02	5.85E-02	5.42E-03	1.43E+00	2.58E-01	6.65E+00	2.17E-02	8.23E-05	1.63E-01	2.23E-03	4.36E-01	3.42E-02	9.10E+00	
360.9	4249.2	2.81E-02	5.39E-02	5.24E-03	1.25E+00	4.30E-01	6.70E+00	1.80E-02	7.51E-05	1.69E-01	2.10E-03	4.10E-01	3.12E-02	9.09E+00	
359.751	4248.443	5.83E-03	1.03E-01	4.39E-03	9.91E-01	7.04E-02	7.52E+00	1.27E-02	5.64E-05	1.58E-01	2.40E-03	1.79E-01	1.68E-02	9.07E+00	
361.2	4248	3.01E-02	5.15E-02	4.26E-03	2.06E+00	6.32E-02	6.37E+00	4.45E-02	9.21E-05	1.85E-01	1.79E-03	2.15E-01	2.27E-02	9.05E+00	
361.2	4248.1	2.57E-02	5.12E-02	4.05E-03	1.92E+00	7.50E-02	6.43E+00	4.15E-02	8.74E-05	1.80E-01	1.72E-03	2.43E-01	2.43E-02	9.00E+00	
361.2	4248.5	3.26E-02	5.78E-02	4.79E-03	1.57E+00	1.45E-01	6.63E+00	3.04E-02	9.27E-05	1.60E-01	2.03E-03	3.38E-01	2.83E-02	8.99E+00	
360.632	4249.294	1.93E-02	6.94E-02	5.95E-03	1.22E+00	5.75E-01	6.45E+00	1.70E-02	8.27E-05	1.81E-01	2.44E-03	3.95E-01	2.94E-02	8.97E+00	
360.9	4248.7	3.06E-02	6.54E-02	5.13E-03	1.62E+00	2.86E-01	6.23E+00	2.82E-02	8.93E-05	1.77E-01	2.19E-03	4.19E-01	3.25E-02	8.90E+00	
361.2	4247.9	2.64E-02	5.10E-02	4.06E-03	2.12E+00	5.33E-02	6.18E+00	4.10E-02	7.84E-05	1.86E-01	1.72E-03	1.89E-01	2.11E-02	8.87E+00	
359.728	4248.146	4.37E-03	1.27E-01	4.80E-03	1.39E+00	4.21E-02	6.81E+00	1.57E-02	5.42E-05	2.02E-01	2.79E-03	1.59E-01	1.89E-02	8.77E+00	
359.806	4248.302	4.82E-03	1.23E-01	4.89E-03	1.18E+00	6.21E-02	6.91E+00	1.56E-02	6.45E-05	2.06E-01	2.77E-03	1.84E-01	1.88E-02	8.72E+00	
360.9	4249.1	2.81E-02	5.21E-02	5.01E-03	1.43E+00	5.22E-01	5.90E+00	2.00E-02	7.01E-05	2.00E-01	2.01E-03	4.96E-01	3.74E-02	8.70E+00	
361.1	4247.5	1.06E-01	5.20E-02	5.24E-03	2.36E+00	2.62E-02	5.61E+00	4.50E-02	1.00E-04	2.51E-01	2.10E-03	1.18E-01	1.78E-02	8.59E+00	
361.2	4248.6	4.00E-02	5.48E-02	4.99E-03	1.45E+00	1.61E-01	6.28E+00	2.61E-02	8.98E-05	1.52E-01	2.06E-03	3.46E-01	2.84E-02	8.54E+00	
361.2	4248.4	2.45E-02	5.13E-02	4.13E-03	1.68E+00	1.25E-01	6.11E+00	3.40E-02	8.38E-05	1.65E-01	1.75E-03	3.17E-01	2.80E-02	8.54E+00	
361.1	4248.9	3.75E-02	5.64E-02	5.30E-03	1.31E+00	2.65E-01	6.24E+00	1.92E-02	7.81E-05	1.57E-01	2.17E-03	4.00E-01	3.13E-02	8.52E+00	
360.5	4247.3	5.68E-03	3.45E-02	2.12E-03	1.56E+00	1.13E-02	5.22E+00	1.31E-02	1.79E-05	1.49E+00	9.62E-04	9.46E-02	7.41E-02	8.50E+00	
359.8	4248.9	9.92E-03	1.06E-01	5.42E-03	9.31E-01	1.19E-01	6.97E+00	1.31E-02	7.63E-05	1.14E-01	2.58E-03	2.06E-01	1.77E-02	8.49E+00	
361	4249	3.00E-02	5.36E-02	4.90E-03	1.38E+00	3.82E-01	5.94E+00	1.97E-02	7.03E-05	1.77E-01	2.00E-03	4.53E-01	3.50E-02	8.48E+00	
361.2	4248.3	2.23E-02	5.01E-02	3.94E-03	1.77E+00	1.06E-01	5.96E+00	3.58E-02	7.96E-05	1.70E-01	1.67E-03	2.97E-01	2.73E-02	8.45E+00	
359.755	4248.318	4.78E-03	1.05E-01	4.32E-03	1.06E+00	5.78E-02	6.81E+00	1.39E-02	5.64E-05	1.94E-01	2.41E-03	1.68E-01	1.73E-02	8.44E+00	
360.199	4249.312	1.01E-02	9.81E-02	6.30E-03	1.00E+00	2.80E-01	6.55E+00	1.32E-02	8.25E-05	1.38E-01	2.69E-03	3.04E-01	2.35E-02	8.43E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
360.9	4248.9	2.93E-02	5.80E-02	5.03E-03	1.46E+00	5.02E-01	5.68E+00	2.26E-02	7.76E-05	2.01E-01	2.07E-03	4.20E-01	3.07E-02	8.41E+00	
360.9	4248.8	3.01E-02	6.22E-02	5.07E-03	1.48E+00	3.09E-01	5.89E+00	2.46E-02	8.42E-05	1.73E-01	2.13E-03	3.88E-01	3.00E-02	8.39E+00	
361	4247.4	7.67E-02	5.14E-02	4.81E-03	2.44E+00	2.09E-02	5.31E+00	3.75E-02	7.41E-05	2.98E-01	1.97E-03	1.08E-01	1.89E-02	8.37E+00	
360	4249.1	1.11E-02	1.15E-01	6.23E-03	1.01E+00	2.19E-01	6.40E+00	1.35E-02	8.31E-05	1.36E-01	2.85E-03	2.94E-01	2.33E-02	8.24E+00	
359.7	4248.2	4.68E-03	1.18E-01	4.64E-03	1.20E+00	4.33E-02	6.49E+00	1.42E-02	5.47E-05	1.92E-01	2.62E-03	1.52E-01	1.76E-02	8.23E+00	
360.06	4249.18	1.07E-02	1.14E-01	6.37E-03	1.00E+00	2.45E-01	6.36E+00	1.31E-02	8.34E-05	1.38E-01	2.86E-03	2.98E-01	2.34E-02	8.21E+00	
360.585	4249.378	1.85E-02	6.91E-02	5.80E-03	1.05E+00	4.18E-01	6.08E+00	1.52E-02	8.35E-05	1.47E-01	2.37E-03	3.15E-01	2.41E-02	8.15E+00	
360.088	4249.225	1.04E-02	1.10E-01	6.34E-03	9.86E-01	2.47E-01	6.30E+00	1.28E-02	8.25E-05	1.36E-01	2.81E-03	2.92E-01	2.29E-02	8.13E+00	
360.41	4247.229	5.12E-03	2.83E-02	1.65E-03	1.06E+00	1.10E-02	5.44E+00	9.07E-03	1.41E-05	1.36E+00	7.59E-04	1.01E-01	8.10E-02	8.10E+00	
359.7	4248.7	7.81E-03	1.15E-01	4.84E-03	8.75E-01	8.26E-02	6.69E+00	1.19E-02	6.57E-05	1.17E-01	2.68E-03	1.68E-01	1.51E-02	8.09E+00	
360.9	4249	2.83E-02	5.36E-02	4.93E-03	1.38E+00	5.79E-01	5.35E+00	2.08E-02	7.45E-05	2.08E-01	2.00E-03	4.13E-01	2.98E-02	8.07E+00	
361.2	4247.8	2.39E-02	5.00E-02	3.95E-03	1.96E+00	4.47E-02	5.56E+00	4.12E-02	8.30E-05	1.79E-01	1.67E-03	1.66E-01	1.92E-02	8.05E+00	
360.8	4249.1	2.61E-02	5.65E-02	5.17E-03	1.27E+00	4.76E-01	5.63E+00	1.98E-02	8.08E-05	1.78E-01	2.10E-03	3.50E-01	2.63E-02	8.04E+00	
359.7	4248.6	6.93E-03	1.07E-01	4.50E-03	8.77E-01	7.61E-02	6.63E+00	1.17E-02	6.01E-05	1.28E-01	2.49E-03	1.67E-01	1.52E-02	8.03E+00	
361.2	4248.7	3.74E-02	5.21E-02	4.63E-03	1.32E+00	1.73E-01	5.86E+00	2.23E-02	7.81E-05	1.47E-01	1.92E-03	3.39E-01	2.77E-02	7.99E+00	
361	4249.1	2.87E-02	5.02E-02	4.74E-03	1.22E+00	3.53E-01	5.66E+00	1.79E-02	6.95E-05	1.59E-01	1.92E-03	3.94E-01	3.05E-02	7.92E+00	
361.2	4247.7	2.77E-02	5.13E-02	4.08E-03	1.94E+00	3.73E-02	5.43E+00	4.31E-02	9.10E-05	1.84E-01	1.73E-03	1.45E-01	1.77E-02	7.87E+00	
359.7	4248.5	6.10E-03	9.13E-02	4.10E-03	8.89E-01	6.82E-02	6.45E+00	1.14E-02	5.26E-05	1.47E-01	2.17E-03	1.63E-01	1.53E-02	7.85E+00	
360	4249.2	1.04E-02	1.03E-01	5.90E-03	9.12E-01	2.01E-01	6.18E+00	1.20E-02	7.76E-05	1.24E-01	2.63E-03	2.57E-01	2.05E-02	7.83E+00	
359.7	4248.8	8.61E-03	1.06E-01	4.90E-03	8.60E-01	8.77E-02	6.45E+00	1.17E-02	6.68E-05	1.10E-01	2.53E-03	1.67E-01	1.48E-02	7.82E+00	
361.3	4248.4	2.26E-02	5.01E-02	3.98E-03	1.45E+00	1.02E-01	5.69E+00	2.85E-02	7.83E-05	1.51E-01	1.71E-03	2.56E-01	2.28E-02	7.78E+00	
361.2	4248.2	2.09E-02	4.78E-02	3.73E-03	1.67E+00	8.84E-02	5.43E+00	3.65E-02	8.13E-05	1.64E-01	1.58E-03	2.56E-01	2.41E-02	7.74E+00	
360.516	4247.275	5.17E-03	3.40E-02	2.14E-03	1.49E+00	1.18E-02	4.70E+00	1.29E-02	1.86E-05	1.33E+00	9.64E-04	8.95E-02	6.37E-02	7.73E+00	
361.2	4247.6	3.74E-02	5.14E-02	4.37E-03	1.99E+00	3.14E-02	5.23E+00	4.19E-02	9.19E-05	2.05E-01	1.82E-03	1.27E-01	1.66E-02	7.73E+00	
360.9	4249.3	2.56E-02	4.85E-02	4.85E-03	1.10E+00	3.43E-01	5.67E+00	1.61E-02	7.07E-05	1.46E-01	1.94E-03	3.42E-01	2.65E-02	7.73E+00	
359.9	4249	1.08E-02	1.02E-01	5.64E-03	9.84E-01	1.63E-01	6.05E+00	1.36E-02	7.78E-05	1.25E-01	2.58E-03	2.51E-01	2.07E-02	7.73E+00	
361.1	4249	3.07E-02	5.08E-02	4.63E-03	1.17E+00	2.56E-01	5.65E+00	1.75E-02	6.93E-05	1.46E-01	1.90E-03	3.50E-01	2.76E-02	7.71E+00	
361.1	4247.4	8.99E-02	4.79E-02	4.85E-03	2.13E+00	2.21E-02	4.98E+00	3.64E-02	8.30E-05	2.73E-01	1.94E-03	1.03E-01	1.65E-02	7.70E+00	
359.9	4249.2	9.95E-03	9.01E-02	5.25E-03	8.07E-01	1.53E-01	6.28E+00	1.09E-02	7.06E-05	1.08E-01	2.33E-03	2.12E-01	1.72E-02	7.70E+00	
360.8	4249.2	2.47E-02	5.39E-02	5.10E-03	1.21E+00	5.32E-01	5.29E+00	1.82E-02	7.67E-05	1.80E-01	2.06E-03	3.50E-01	2.60E-02	7.69E+00	
361	4249.2	2.92E-02	5.01E-02	5.05E-03	1.09E+00	3.11E-01	5.66E+00	1.61E-02	7.46E-05	1.43E-01	2.01E-03	3.39E-01	2.64E-02	7.68E+00	
359.7	4248.4	5.32E-03	9.33E-02	4.07E-03	9.17E-01	5.91E-02	6.23E+00	1.17E-02	5.17E-05	1.69E-01	2.20E-03	1.57E-01	1.57E-02	7.67E+00	
361.3	4248.5	2.63E-02	5.08E-02	4.32E-03	1.39E+00	1.15E-01	5.61E+00	2.69E-02	8.36E-05	1.46E-01	1.82E-03	2.69E-01	2.31E-02	7.67E+00	
361.3	4248	2.12E-02	4.33E-02	3.54E-03	1.77E+00	5.66E-02	5.34E+00	3.69E-02	7.38E-05	1.64E-01	1.49E-03	1.88E-01	1.97E-02	7.65E+00	
361.3	4247.9	2.30E-02	4.54E-02	3.74E-03	1.79E+00	4.90E-02	5.35E+00	3.37E-02	7.03E-05	1.63E-01	1.57E-03	1.68E-01	1.84E-02	7.64E+00	
361.2	4248.8	3.48E-02	5.06E-02	4.41E-03	1.23E+00	1.86E-01	5.60E+00	1.93E-02	6.96E-05	1.41E-01	1.84E-03	3.35E-01	2.71E-02	7.63E+00	
360	4249.3	9.57E-03	9.33E-02	5.51E-03	8.03E-01	1.77E-01	6.18E+00	1.06E-02	7.26E-05	1.11E-01	2.43E-03	2.22E-01	1.77E-02	7.63E+00	
359.675	4248.099	3.95E-03	1.09E-01	4.18E-03	1.31E+00	3.62E-02	5.80E+00	1.52E-02	4.84E-05	1.82E-01	2.41E-03	1.39E-01	1.66E-02	7.62E+00	
361.3	4248.3	2.14E-02	4.91E-02	3.78E-03	1.51E+00	8.98E-02	5.45E+00	2.94E-02	7.36E-05	1.56E-01	1.62E-03	2.45E-01	2.24E-02	7.58E+00	
360.6	4249.4	1.65E-02	6.66E-02	5.61E-03	9.80E-01	3.39E-01	5.68E+00	1.45E-02	8.29E-05	1.32E-01	2.30E-03	2.75E-01	2.15E-02	7.53E+00	
360.195	4249.375	9.53E-03	8.81E-02	5.82E-03	9.06E-01	2.45E-01	5.82E+00	1.20E-02	7.73E-05	1.24E-01	2.46E-03	2.64E-01	2.07E-02	7.50E+00	
360.068	4249.275	9.89E-03	1.00E-01	5.93E-03	8.97E-01	2.16E-01	5.83E+00	1.17E-02	7.75E-05	1.24E-01	2.60E-03	2.58E-01	2.04E-02	7.47E+00	
361.2	4247.5	5.90E-02	4.86E-02	4.67E-03	1.96E+00	2.68E-02	4.95E+00	3.90E-02	9.27E-05	2.30E-01	1.89E-03	1.12E-01	1.58E-02	7.45E+00	
361.3	4248.6	2.84E-02	4.77E-02	4.20E-03	1.29E+00	1.25E-01	5.39E+00	2.45E-02	7.94E-05	1.39E-01	1.75E-03	2.76E-01	2.32E-02	7.36E+00	
360.538	4249.462	1.40E-02	6.73E-02	5.54E-03	9.06E-01	2.94E-01	5.65E+00	1.34E-02	8.22E-05	1.21E-01	2.27E-03	2.46E-01	1.93E-02	7.34E+00	
359.7	4248.3	4.59E-03	8.56E-02	3.66E-03	1.01E+00	5.05E-02	5.79E+00	1.28E-02	4.64E-05	1.85E-01	1.99E-03	1.50E-01	1.64E-02	7.31E+00	
360.8	4247.3	1.20E-02	4.77E-02	3.58E-03	2.31E+00	1.60E-02	4.25E+00	2.63E-02	4.09E-05	4.57E-01	1.55E-03	1.08E-01	2.58E-02	7.26E+00	
361.2	4248.9	3.18E-02	4.78E-02	4.22E-03	1.13E+00	1.93E-01	5.32E+00	1.71E-02	6.39E-05	1.35E-01	1.75E-03	3.18E-01	2.55E-02	7.22E+00	
360.9	4247.3	2.29E-02	4.76E-02	3.92E-03	2.19E+00	1.66E-02	4.41E+00	2.89E-02	5.19E-05	3.71E-01	1.65E-03	9.94E-02	2.02E-02	7.21E+00	
361.3	4248.1	1.84E-02	4.16E-02	3.36E-03	1.63E+00	6.62E-02	5.02E+00	3.49E-02	7.19E-05	1.60E-01	1.41E-03	2.06E-01	2.06E-02	7.20E+00	
359.7	4248.9	8.89E-03	9.41E-02	4.73E-03	8.02E-01	9.09E-02	5.89E+00	1.13E-02	6.67E-05	1.03E-01	2.30E-03	1.63E-01	1.42E-02	7.18E+00	
360.7	4249.3	2.06E-02	6.09E-02	5.40E-03	1.03E+00	3.15E-01	5.21E+00	1.58E-02	8.27E-05	1.37E-01	2.21E-03	2.73E-01	2.16E-02	7.09E+00	
360.9	4249.4	2.40E-02	4.71E-02	4.83E-03	9.76E-01	2.71E-01	5.29E+00	1.44E-02	7.13E-05	1.28E-01	1.92E-03	2.87E-01	2.25E-02	7.07E+00	
360.032	4249.325	9.38E-03	9.12E-02	5.48E-03	8.05E-01	1.84E-01	5.56E+00	1.06E-02	7.20E-05	1.12E-01	2.39E-03	2.24E-01	1.79E-02	7.02E+00	
361	4249.3	2.92E-02	4.85E-02	5.32E-03	9.78E-01	2.72E-01	5.19E+00	1.45E-02	7.92E-05	1.28E-01	2.06E-03	2.87E-01	2.26E-02	6.97E+00	
361.2	4247.4	5.68E-02	4.52E-02	4.33E-03	1.85E+00	2.29E-02	4.58E+00	3.43E-02	8.03E-05	2.41E-01	1.75E-03	9.91E-02	1.48E-02	6.96E+00	
361.3	4247.8	2.08E-02	4.50E-02	3.61E-03	1.63E+00	4.21E-02	4.86E+00	3.29E-02	7.29E-05	1.58E-01	1.52E-03	1.48E-01	1.68E-02	6.96E+00	
361.3	4248.7	2.98E-02	4.53E-02	4.02E-03	1.18E+00	1.31E-01	5.06E+00	2.11E-02	7.19E-05	1.31E-01	1.66E-03	2.70E-01	2.27E-02	6.90E+00	
361	4247.3	3.87E-02	4.57E-02	4.10E-03	1.99E+00	1.76E-02	4.30E+00	2.89E-02	5.95E-05	3.20E-01	1.69E-03	9.36E-02	1.69E-02	6.85E+00	
359.9	4249.3	9.17E-03	8.19E-02	4.89E-03	7.20E-01	1.39E-01	5.58E+00	9.65E-03	6.54E-05	9.82E-02	2.15E-03	1.87E-01	1.52E-02	6.85E+00	
359.9	4249.1	1.03E-02	9.13E-02	5.25E-03	8.87E-01	1.62E-01	5.30E+00	1.22E-02	7.20E-05	1.16E-01	2.34E-03	2.32E-01	1.90E-02	6.84E+00	
360.8	4249.3	2.29E-02	5.14E-02	4.91E-03	1.07E+00	3.97E-01	4.80E+00	1.62E-02	7.48E-05	1.52E-01	1.98E-03	3.02E-01	2.30E-02	6.84E+00	
360.191	4249.427	9.09E-03	8.04E-02	5.42E-03	8.33E-01	2.19E-01	5.29E+00	1.12E-02	7.32E-05	1.15E-01	2.27E-03	2.37E-01	1.86E-02	6.82E+00	
359.627	4248.675	7.07E-03	1.00E-01	4.32E-03	7.82E-01	6.82E-02	5.55E+00	1.04E-02	5.77E-05	1.21E-01	2.36E-03	1.45E-01	1.34E-02	6.80E+00	
361.4	4248.3	2.07E-02	4.64E-02	3.63E-03	1.32E+00	7.65E-02	4.95E+00	2.47E-02	6.81E-05	1.41E-01	1.56E-03	2.00E-01	1.87E-02	6.80E+00	
359.652	4248.019	3.63E-03	1.07E-01	3.97E-03	1.21E+00	3.17E-02	5.07E+00	1.59E-02	5.23E-05	1.78E-01	2.34E-03	1.28E-01	1.53E-02	6.76E+00	
361.3	4247.7	2.48E-02	4.60E-02	3.72E-03	1.55E+00	3.59E-02	4.68E+00	3.40E-02	8.15E-05	1.70E-01	1.57E-03	1.31E-01	1.56E-02	6.70E+00	
360.491	4249.545	1.21E-02	6.51E-02	5.27E-03	8.13E-01	2.38E-01	5.20E+00	1.21E-02	7.83E-05	1.08E-01	2.16E-03	2.09E-01	1.66E-02	6.68E+00	
359.628	4248.588	6.31E-03	8.35E-02	3.81E-03	7.83E-01	6.38E-02	5.44E+00	1.01E-02	4.92E-05	1.32E-01	2.01E-03	1.43E-01	1.35E-02	6.68E+00	
361.4	4248.4	2.10E-02	4.51E-02	3.65E-03	1.26E+00	8.44E-02	4.87E+00	2.41E-02	6.99E-05	1.38E-01	1.58E-03	2.07E-01	1.88E-02	6.67E+00	
361.4	4247.9	1.87E-02	4.01E-02	3.33E-03	1.54E+00	4.44E-02	4.63E+00	2.80E-02	6.07E-05	1.45E-01	1.40E-03	1.51E-01	1.63E-02	6.61E+00	
359.6	4248.1	4.09E-03	9.72E-02	3.95E-03	1.13E+00	3.21E-02	5.00E+00	1.35E-02	4.70E-05	1.67E-01	2.18E-03	1.20E-01	1.41E-02	6.59E+00	
359.628	4248.5	5.78E-03	7.82E-02	3.73E-03	7.85E-01	5.85E-02	5.32E+00	9.87E-03	4.69E-05	1.48E-01	1.91E-03	1.40E-01	1.38E-02	6.57E+00	
361.1	4247.3	6.56E-02	4.40E-02	4.44E-03	1.83E+00	1.88E-02	4.20E+00	2.83E-02	6.88E-05	2.72E-01	1.77E-03	9.08E-02	1.51E-02	6.56E+00	
361.3	4248.2	1.75E-02	4.36E-02	3.38E-03	1.42E+00	7.71E-02	4.59E+00	3.03E-02	7.24E-05	1.49E-01	1.44E-03	2.12E-01	2.01E-02	6.56E+00	
361.2	4249	2.92E-02	4.51E-02	4.14E-03	1.01E+00	1.86E-01	4.82E+00	1.55E-02	6.33E-05	1.26E-01	1.69E-03	2.82E-01	2.27E-02	6.55E+00	
361.4	4248.2	1.80E-02	4.39E-02	3.37E-03	1.36E+00	6.74E-02	4.66E+00	2.62E-02	6.50E-05	1.42E-01	1.45E-03	1.92E-01	1.85E-02	6.53E+00	
361.3	4248.8	3.10E-02	4.41E-02	3.96E-03	1.09E+00	1.41E-01	4.79E+00	1.82E-02	6.59E-05	1.25E-01	1.63E-03	2.64E-01	2.20E-02	6.53E+00	
361.3	4247.6	3.21E-02	4.61E-02	3.99E-03	1.58E+00	3.06E-02	4.48E+00	3.27E-02	8.26E-05	1.93E-01	1.65E-03	1.16E-01	1.46E-02	6.53E+00	
361.4	4248.5	2.28E-02	4.48E-02	3.80E-03	1.21E+00	9.19E-02	4.75E+00	2.35E-02	7.40E-05	1.34E-01	1.60E-03	2.16E-01	1.90E-02	6.51E+00	
359.6	4248.2	4.97E-03	9.37E-02	4.01E-03	1.06E+00	3.65E-02	4.99E+00	1.22E-02	4.63E-05	1.61E-01	2.16E-03	1.26E-01	1.48E-02	6.51E+00	
360.8	4249.4	2.13E-02	5.04E-02	4.84E-03	9.98E-01	3.07E-01	4.64E+00	1.50E-02	7.27E-05	1.36E-01	1.95E-03	2.94E-01	2.28E-02	6.49E+00	
361.1	4249.1	2.75E-02	4.48E-02	4.27E-03	1.04E+00	2.43E-01	4.64E+00	1.58E-02	6.49E-05	1.33E-01	1.72E-03	3.07E-01	2.45E-02	6.49E+00	
359.626	4248.301	4.62E-03	7.26E-02	3.24E-03	9.47E-01	4.43E-02	5.09E+00	1.16E-02	3.95E-05	1.63E-01	1.72E-03	1.33E-01	1.51E-02	6.48E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.629	4248.371	4.74E-03	7.24E-02	3.25E-03	8.56E-01	4.93E-02	5.15E+00	1.07E-02	4.07E-05	1.63E-01	1.73E-03	1.35E-01	1.46E-02	6.46E+00	
360.7	4249.5	1.77E-02	5.66E-02	5.05E-03	8.99E-01	2.76E-01	4.77E+00	1.35E-02	7.56E-05	1.22E-01	2.05E-03	2.50E-01	1.96E-02	6.43E+00	
360.6	4249.5	1.50E-02	6.16E-02	5.18E-03	8.29E-01	2.10E-01	4.97E+00	1.26E-02	7.88E-05	1.06E-01	2.12E-03	2.07E-01	1.68E-02	6.43E+00	
360.771	4247.244	9.37E-03	4.34E-02	3.18E-03	1.93E+00	1.46E-02	3.72E+00	2.12E-02	3.50E-05	5.43E-01	1.38E-03	9.99E-02	2.69E-02	6.41E+00	
361.1	4249.2	2.78E-02	4.43E-02	4.55E-03	9.41E-01	2.24E-01	4.73E+00	1.41E-02	6.83E-05	1.22E-01	1.80E-03	2.73E-01	2.19E-02	6.40E+00	
360.7	4249.4	1.89E-02	5.83E-02	5.16E-03	9.03E-01	2.39E-01	4.78E+00	1.41E-02	8.06E-05	1.17E-01	2.11E-03	2.27E-01	1.83E-02	6.38E+00	
361.4	4248.1	1.78E-02	3.98E-02	3.17E-03	1.42E+00	5.86E-02	4.47E+00	2.93E-02	6.54E-05	1.42E-01	1.34E-03	1.78E-01	1.79E-02	6.38E+00	
361.4	4248	1.62E-02	3.62E-02	3.01E-03	1.53E+00	5.10E-02	4.37E+00	3.05E-02	6.01E-05	1.43E-01	1.26E-03	1.62E-01	1.71E-02	6.36E+00	
361.4	4248.6	2.53E-02	4.23E-02	3.89E-03	1.14E+00	9.82E-02	4.64E+00	2.19E-02	7.43E-05	1.27E-01	1.60E-03	2.22E-01	1.91E-02	6.35E+00	
361.3	4247.5	3.32E-02	4.46E-02	3.92E-03	1.59E+00	2.64E-02	4.28E+00	3.16E-02	7.77E-05	2.02E-01	1.61E-03	1.04E-01	1.39E-02	6.33E+00	
360.9	4249.5	2.27E-02	4.65E-02	4.90E-03	8.74E-01	2.15E-01	4.76E+00	1.30E-02	7.29E-05	1.14E-01	1.93E-03	2.41E-01	1.92E-02	6.31E+00	
359.8	4249	9.69E-03	8.34E-02	4.76E-03	8.52E-01	1.22E-01	4.88E+00	1.22E-02	6.80E-05	1.08E-01	2.13E-03	1.95E-01	1.66E-02	6.29E+00	
361	4249.4	2.76E-02	4.33E-02	5.31E-03	8.78E-01	2.33E-01	4.68E+00	1.33E-02	8.02E-05	1.15E-01	2.02E-03	2.42E-01	1.93E-02	6.26E+00	
359.629	4247.939	3.25E-03	1.00E-01	3.54E-03	1.14E+00	2.76E-02	4.61E+00	1.46E-02	4.51E-05	1.89E-01	2.17E-03	1.17E-01	1.42E-02	6.22E+00	
361.3	4248.9	3.07E-02	4.35E-02	3.96E-03	1.00E+00	1.47E-01	4.57E+00	1.60E-02	6.31E-05	1.20E-01	1.63E-03	2.56E-01	2.11E-02	6.21E+00	
359.6	4248.8	7.48E-03	8.82E-02	4.03E-03	7.18E-01	6.85E-02	5.06E+00	1.01E-02	5.67E-05	1.06E-01	2.12E-03	1.34E-01	1.22E-02	6.21E+00	
361.2	4247.3	4.95E-02	4.22E-02	4.06E-03	1.67E+00	1.97E-02	4.05E+00	2.84E-02	6.90E-05	2.38E-01	1.64E-03	8.87E-02	1.37E-02	6.20E+00	
360.189	4249.503	8.57E-03	7.19E-02	5.00E-03	7.53E-01	1.88E-01	4.82E+00	1.03E-02	6.81E-05	1.03E-01	2.07E-03	2.03E-01	1.62E-02	6.18E+00	
361.3	4247.4	3.05E-02	4.19E-02	3.68E-03	1.59E+00	2.30E-02	4.10E+00	3.07E-02	7.11E-05	2.05E-01	1.52E-03	9.42E-02	1.33E-02	6.13E+00	
360.7	4249.6	1.66E-02	5.40E-02	4.84E-03	8.48E-01	2.20E-01	4.58E+00	1.23E-02	7.04E-05	1.09E-01	1.95E-03	2.38E-01	1.91E-02	6.10E+00	
361.4	4248.7	2.98E-02	3.98E-02	4.00E-03	1.06E+00	1.02E-01	4.46E+00	1.96E-02	7.35E-05	1.20E-01	1.80E-03	2.18E-01	1.86E-02	6.08E+00	
360.8	4249.5	1.98E-02	4.98E-02	4.74E-03	9.18E-01	2.45E-01	4.43E+00	1.36E-02	7.01E-05	1.20E-01	1.91E-03	2.62E-01	2.09E-02	6.08E+00	
360.5	4247.189	4.16E-03	2.86E-02	1.91E-03	1.06E+00	9.91E-03	3.72E+00	9.95E-03	1.76E-05	1.08E+00	8.45E-04	7.38E-02	4.77E-02	6.06E+00	
359.6	4248	3.45E-03	9.61E-02	3.61E-03	1.09E+00	2.86E-02	4.51E+00	1.45E-02	4.81E-05	1.71E-01	2.11E-03	1.16E-01	1.39E-02	6.05E+00	
360.9	4247.2	1.90E-02	4.25E-02	3.67E-03	1.71E+00	1.42E-02	3.65E+00	2.21E-02	4.73E-05	4.10E-01	1.52E-03	8.58E-02	1.96E-02	5.98E+00	
360.5	4249.6	1.18E-02	6.13E-02	4.98E-03	7.34E-01	1.69E-01	4.70E+00	1.11E-02	7.54E-05	9.35E-02	2.03E-03	1.74E-01	1.44E-02	5.98E+00	
359.8	4249.3	8.54E-03	7.00E-02	4.30E-03	6.47E-01	1.09E-01	4.85E+00	8.67E-03	5.90E-05	8.68E-02	1.88E-03	1.56E-01	1.29E-02	5.96E+00	
361.2	4249.1	2.82E-02	4.28E-02	4.19E-03	9.04E-01	1.76E-01	4.37E+00	1.40E-02	6.48E-05	1.15E-01	1.68E-03	2.46E-01	2.00E-02	5.92E+00	
361.4	4247.8	1.83E-02	3.94E-02	3.21E-03	1.37E+00	3.88E-02	4.13E+00	2.62E-02	6.14E-05	1.43E-01	1.35E-03	1.34E-01	1.48E-02	5.92E+00	
360.8	4247.2	9.68E-03	4.08E-02	3.07E-03	1.71E+00	1.38E-02	3.47E+00	1.94E-02	3.50E-05	5.41E-01	1.32E-03	9.13E-02	2.51E-02	5.92E+00	
359.984	4249.373	8.76E-03	7.94E-02	4.85E-03	7.13E-01	1.53E-01	4.64E+00	9.49E-03	6.45E-05	9.95E-02	2.11E-03	1.89E-01	1.53E-02	5.92E+00	
361.1	4249.3	2.83E-02	4.16E-02	4.84E-03	8.58E-01	2.07E-01	4.39E+00	1.28E-02	7.22E-05	1.13E-01	1.86E-03	2.39E-01	1.93E-02	5.92E+00	
360.444	4249.629	1.06E-02	6.17E-02	4.91E-03	7.07E-01	1.67E-01	4.63E+00	1.07E-02	7.41E-05	9.13E-02	2.01E-03	1.67E-01	1.37E-02	5.86E+00	
359.606	4247.882	3.26E-03	1.04E-01	3.60E-03	1.06E+00	2.47E-02	4.29E+00	1.34E-02	4.55E-05	2.06E-01	2.24E-03	1.08E-01	1.37E-02	5.83E+00	
361	4247.2	3.52E-02	4.16E-02	4.10E-03	1.65E+00	1.50E-02	3.62E+00	2.34E-02	5.81E-05	3.37E-01	1.65E-03	8.23E-02	1.63E-02	5.82E+00	
359.555	4248.218	5.19E-03	8.28E-02	3.73E-03	9.73E-01	3.48E-02	4.43E+00	1.13E-02	4.32E-05	1.51E-01	1.95E-03	1.16E-01	1.36E-02	5.82E+00	
361.5	4248.3	1.71E-02	4.07E-02	3.18E-03	1.14E+00	6.46E-02	4.20E+00	2.15E-02	5.99E-05	1.26E-01	1.37E-03	1.65E-01	1.58E-02	5.80E+00	
361.3	4247.3	3.18E-02	3.97E-02	3.56E-03	1.51E+00	2.02E-02	3.83E+00	2.60E-02	6.61E-05	2.09E-01	1.46E-03	8.55E-02	1.25E-02	5.77E+00	
360.186	4249.569	8.16E-03	6.64E-02	4.70E-03	6.90E-01	1.64E-01	4.53E+00	9.57E-03	6.51E-05	9.42E-02	1.93E-03	1.78E-01	1.44E-02	5.76E+00	
360.6	4249.6	1.38E-02	5.71E-02	4.81E-03	7.48E-01	1.75E-01	4.45E+00	1.14E-02	7.32E-05	9.50E-02	1.98E-03	1.79E-01	1.48E-02	5.75E+00	
361.5	4248.4	1.95E-02	4.08E-02	3.31E-03	1.10E+00	6.95E-02	4.16E+00	2.05E-02	6.16E-05	1.24E-01	1.41E-03	1.69E-01	1.58E-02	5.73E+00	
361.5	4248.2	1.67E-02	4.00E-02	3.11E-03	1.19E+00	5.86E-02	4.10E+00	2.30E-02	6.00E-05	1.26E-01	1.33E-03	1.60E-01	1.57E-02	5.73E+00	
361.3	4249	3.08E-02	4.25E-02	4.12E-03	9.06E-01	1.43E-01	4.22E+00	1.42E-02	6.47E-05	1.12E-01	1.66E-03	2.33E-01	1.92E-02	5.72E+00	
361.4	4248.8	3.27E-02	3.84E-02	4.01E-03	9.82E-01	1.09E-01	4.20E+00	1.73E-02	7.09E-05	1.14E-01	1.59E-03	2.11E-01	1.80E-02	5.72E+00	
359.524	4248.149	4.50E-03	8.23E-02	3.62E-03	9.83E-01	3.02E-02	4.33E+00	1.12E-02	4.14E-05	1.51E-01	1.91E-03	1.07E-01	1.24E-02	5.72E+00	
360.9	4249.6	2.11E-02	4.57E-02	4.85E-03	7.86E-01	1.72E-01	4.34E+00	1.19E-02	7.33E-05	1.01E-01	1.90E-03	2.04E-01	1.66E-02	5.71E+00	
361.5	4248.1	1.67E-02	3.76E-02	2.98E-03	1.25E+00	5.20E-02	4.00E+00	2.53E-02	6.03E-05	1.27E-01	1.27E-03	1.53E-01	1.54E-02	5.69E+00	
361.5	4248	1.47E-02	3.39E-02	2.81E-03	1.35E+00	4.60E-02	3.89E+00	2.60E-02	5.43E-05	1.30E-01	1.18E-03	1.42E-01	1.50E-02	5.64E+00	
361.1	4247.2	5.72E-02	4.06E-02	4.44E-03	1.56E+00	1.61E-02	3.56E+00	2.34E-02	6.65E-05	2.78E-01	1.74E-03	8.10E-02	1.44E-02	5.64E+00	
360.2	4249.6	8.07E-03	6.40E-02	4.59E-03	6.76E-01	1.58E-01	4.43E+00	9.46E-03	6.42E-05	9.17E-02	1.88E-03	1.74E-01	1.40E-02	5.63E+00	
361	4249.5	2.55E-02	4.09E-02	5.23E-03	7.96E-01	1.91E-01	4.23E+00	1.21E-02	7.94E-05	1.04E-01	1.97E-03	2.07E-01	1.67E-02	5.63E+00	
360.395	4247.146	4.00E-03	2.51E-02	1.55E-03	7.55E-01	9.98E-03	3.36E+00	7.34E-03	1.51E-05	1.32E+00	7.04E-04	9.87E-02	3.39E-02	5.62E+00	
360.6	4249.7	1.31E-02	5.39E-02	4.62E-03	7.30E-01	1.86E-01	4.31E+00	1.08E-02	6.86E-05	9.52E-02	1.87E-03	1.89E-01	1.52E-02	5.61E+00	
361.4	4247.7	2.31E-02	4.06E-02	3.41E-03	1.24E+00	3.37E-02	3.96E+00	2.59E-02	7.14E-05	1.52E-01	1.42E-03	1.17E-01	1.34E-02	5.61E+00	
361.5	4248.5	2.60E-02	4.09E-02	3.74E-03	1.06E+00	7.47E-02	4.04E+00	1.99E-02	7.01E-05	1.22E-01	1.54E-03	1.78E-01	1.60E-02	5.59E+00	
361.5	4247.9	1.48E-02	3.41E-02	2.85E-03	1.35E+00	4.06E-02	3.84E+00	2.41E-02	5.10E-05	1.33E-01	1.19E-03	1.34E-01	1.44E-02	5.59E+00	
360.8	4249.6	1.82E-02	4.84E-02	4.54E-03	8.19E-01	1.98E-01	4.14E+00	1.23E-02	6.81E-05	1.06E-01	1.83E-03	2.19E-01	1.77E-02	5.58E+00	
359.8	4249.1	9.34E-03	7.40E-02	4.44E-03	7.66E-01	1.21E-01	4.28E+00	1.10E-02	6.41E-05	1.00E-01	1.94E-03	1.83E-01	1.54E-02	5.57E+00	
360.771	4247.141	7.81E-03	3.75E-02	2.75E-03	1.48E+00	1.27E-02	3.21E+00	1.62E-02	3.00E-05	6.68E-01	1.18E-03	8.53E-02	2.72E-02	5.55E+00	
360.178	4249.644	7.74E-03	6.19E-02	4.43E-03	6.30E-01	1.40E-01	4.44E+00	8.82E-03	6.20E-05	8.53E-02	1.82E-03	1.59E-01	1.29E-02	5.55E+00	
360.7	4249.7	1.53E-02	5.05E-02	4.54E-03	7.57E-01	1.75E-01	4.18E+00	1.12E-02	6.71E-05	9.62E-02	1.82E-03	1.99E-01	1.62E-02	5.51E+00	
361.5	4248.6	2.88E-02	3.84E-02	3.92E-03	1.02E+00	7.86E-02	3.99E+00	1.92E-02	7.39E-05	1.17E-01	1.57E-03	1.79E-01	1.59E-02	5.50E+00	
359.8	4249.2	8.95E-03	6.93E-02	4.28E-03	7.09E-01	1.17E-01	4.27E+00	9.90E-03	5.97E-05	9.40E-02	1.85E-03	1.69E-01	1.42E-02	5.46E+00	
361.2	4247.2	4.97E-02	3.94E-02	4.02E-03	1.47E+00	1.71E-02	3.52E+00	2.33E-02	6.35E-05	2.38E-01	1.60E-03	8.00E-02	1.31E-02	5.46E+00	
361.1	4249.4	2.79E-02	3.92E-02	4.97E-03	7.86E-01	1.88E-01	4.07E+00	1.18E-02	7.49E-05	1.04E-01	1.87E-03	2.07E-01	1.68E-02	5.45E+00	
361.4	4248.9	3.25E-02	3.79E-02	4.00E-03	9.02E-01	1.14E-01	3.98E+00	1.53E-02	6.78E-05	1.08E-01	1.58E-03	2.06E-01	1.75E-02	5.42E+00	
361.4	4247.4	2.54E-02	3.91E-02	3.46E-03	1.36E+00	2.26E-02	3.64E+00	2.61E-02	6.65E-05	1.81E-01	1.42E-03	8.72E-02	1.18E-02	5.40E+00	
361.2	4249.2	2.66E-02	3.93E-02	4.12E-03	8.17E-01	1.65E-01	3.99E+00	1.25E-02	6.29E-05	1.06E-01	1.62E-03	2.17E-01	1.78E-02	5.39E+00	
361.4	4247.6	2.30E-02	3.97E-02	3.40E-03	1.23E+00	2.91E-02	3.75E+00	2.53E-02	7.00E-05	1.67E-01	1.40E-03	1.03E-01	1.24E-02	5.38E+00	
361.5	4248.7	3.08E-02	3.56E-02	3.98E-03	9.54E-01	8.10E-02	3.93E+00	1.80E-02	7.52E-05	1.10E-01	1.55E-03	1.79E-01	1.56E-02	5.36E+00	
360.5	4249.7	1.10E-02	5.65E-02	4.62E-03	6.60E-01	1.36E-01	4.22E+00	1.01E-02	7.04E-05	8.32E-02	1.88E-03	1.50E-01	1.25E-02	5.34E+00	
359.939	4249.397	8.38E-03	7.24E-02	4.47E-03	6.60E-01	1.34E-01	4.17E+00	8.87E-03	6.00E-05	9.21E-02	1.93E-03	1.69E-01	1.38E-02	5.33E+00	
360.397	4249.713	9.43E-03	5.81E-02	4.56E-03	6.42E-01	1.49E-01	4.21E+00	9.72E-03	6.89E-05	8.36E-02	1.86E-03	1.48E-01	1.22E-02	5.33E+00	
361.4	4247.3	3.42E-02	3.83E-02	3.66E-03	1.35E+00	2.02E-02	3.55E+00	2.54E-02	6.89E-05	1.84E-01	1.47E-03	8.12E-02	1.14E-02	5.30E+00	
360.293	4247.104	4.36E-03	3.36E-02	1.68E-03	6.95E-01	1.03E-02	2.87E+00	7.30E-03	1.77E-05	1.54E+00	8.49E-04	1.07E-01	2.54E-02	5.30E+00	
360.725	4249.695	3.02E-03	4.99E-02	4.39E-03	6.16E-01	1.68E-01	4.15E+00	1.10E-02	7.88E-05	8.71E-02	1.76E-03	1.94E-01	1.55E-02	5.30E+00	35
359.494	4248.081	3.58E-03	7.75E-02	3.24E-03	9.04E-01	2.65E-02	4.00E+00	1.15E-02	4.12E-05	1.48E-01	1.76E-03	9.87E-02	1.14E-02	5.28E+00	
361.4	4247.5	2.12E-02	3.85E-02	3.27E-03	1.29E+00	2.54E-02	3.59E+00	2.51E-02	6.39E-05	1.76E-01	1.35E-03	9.31E-02	1.20E-02	5.28E+00	
359.501	4248.764	6.72E-03	7.57E-02	3.56E-03	6.35E-01	5.38E-02	4.25E+00	8.65E-03	4.85E-05	1.11E-01	1.85E-03	1.12E-01	1.07E-02	5.27E+00	
361.3	4247.2	3.23E-02	3.78E-02	3.50E-03	1.38E+00	1.77E-02	3.47E+00	2.34E-02	5.94E-05	2.10E-01	1.42E-03	7.80E-02	1.20E-02	5.26E+00	
359.9	4249.4	8.22E-03	6.93E-02	4.28E-03	6.35E-01	1.23E-01	4.15E+00	8.57E-03	5.78E-05	8.83E-02	1.86E-03	1.59E-01	1.31E-02	5.26E+00	
359.5	4248.8	6.83E-03	7.65E-02	3.59E-03	6.26E-01	5.45E-02	4.24E+00	8.68E-03	4.96E-05	1.06E-01	1.86E-03	1.11E-01	1.05E-02	5.24E+00	
359.7	4249	8.70E-03	7.38E-02	4.17E-03	7.40E-01	9.27E-02	4.05E+00	1.07E-02	6.03E-05	9.59E-02	1.89E-03	1.54E-01	1.34E-02	5.24E+00	
359.8	4249.4	7.78E-03	6.24E-02	3.92E-03	5.79E-01	9.90E-02	4.25E+00	7.96E-03	5.39E-05	7.92E-02	1.70E-03	1.38E-01	1.15E-02	5.24E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
361.6	4248.1	1.61E-02	3.64E-02	2.90E-03	1.11E+00	4.61E-02	3.74E+00	2.22E-02	5.80E-05	1.15E-01	1.24E-03	1.32E-01	1.34E-02	5.24E+00	
361.6	4248.2	1.80E-02	3.85E-02	3.06E-03	1.05E+00	5.09E-02	3.76E+00	2.02E-02	5.88E-05	1.12E-01	1.31E-03	1.35E-01	1.34E-02	5.21E+00	
360.9	4247.1	1.46E-02	3.83E-02	3.28E-03	1.40E+00	1.24E-02	3.15E+00	1.76E-02	4.13E-05	4.66E-01	1.35E-03	7.58E-02	2.01E-02	5.19E+00	
360.8	4247.1	8.05E-03	3.63E-02	2.72E-03	1.36E+00	1.21E-02	3.02E+00	1.53E-02	3.05E-05	6.27E-01	1.16E-03	7.95E-02	2.51E-02	5.19E+00	
360.6	4249.8	1.23E-02	5.07E-02	4.40E-03	6.79E-01	1.50E-01	4.01E+00	9.97E-03	6.46E-05	8.55E-02	1.76E-03	1.73E-01	1.42E-02	5.19E+00	
361.3	4249.1	3.24E-02	4.01E-02	4.42E-03	8.10E-01	1.33E-01	3.82E+00	1.28E-02	6.96E-05	1.03E-01	1.72E-03	2.03E-01	1.68E-02	5.18E+00	
360.8	4249.7	1.69E-02	4.65E-02	4.36E-03	7.37E-01	1.58E-01	3.91E+00	1.12E-02	6.63E-05	9.38E-02	1.75E-03	1.84E-01	1.51E-02	5.17E+00	
360.9	4249.7	1.95E-02	4.43E-02	4.71E-03	7.12E-01	1.41E-01	3.96E+00	1.10E-02	7.26E-05	9.08E-02	1.84E-03	1.73E-01	1.43E-02	5.17E+00	
361	4247.1	3.06E-02	3.81E-02	3.98E-03	1.41E+00	1.29E-02	3.20E+00	1.95E-02	5.52E-05	3.65E-01	1.57E-03	7.30E-02	1.72E-02	5.16E+00	
360.178	4249.719	7.38E-03	5.67E-02	4.15E-03	5.81E-01	1.21E-01	4.12E+00	8.20E-03	5.86E-05	7.79E-02	1.69E-03	1.43E-01	1.16E-02	5.13E+00	
361.6	4248	1.39E-02	3.27E-02	2.70E-03	1.20E+00	4.12E-02	3.55E+00	2.23E-02	5.04E-05	1.21E-01	1.13E-03	1.26E-01	1.33E-02	5.12E+00	
360.2	4249.7	7.57E-03	5.74E-02	4.22E-03	6.06E-01	1.30E-01	4.06E+00	8.60E-03	5.99E-05	8.11E-02	1.72E-03	1.49E-01	1.22E-02	5.12E+00	
359.6	4248.9	7.77E-03	7.41E-02	3.79E-03	6.83E-01	7.06E-02	4.02E+00	9.76E-03	5.41E-05	9.60E-02	1.84E-03	1.29E-01	1.17E-02	5.11E+00	
361	4249.6	2.36E-02	3.95E-02	5.14E-03	7.28E-01	1.54E-01	3.85E+00	1.12E-02	7.92E-05	9.40E-02	1.92E-03	1.80E-01	1.48E-02	5.11E+00	
361.5	4247.8	1.56E-02	3.40E-02	2.83E-03	1.19E+00	3.58E-02	3.54E+00	2.20E-02	5.23E-05	1.31E-01	1.17E-03	1.20E-01	1.32E-02	5.10E+00	
361.6	4248.3	2.04E-02	3.85E-02	3.19E-03	1.00E+00	5.44E-02	3.70E+00	1.87E-02	5.97E-05	1.11E-01	1.35E-03	1.37E-01	1.33E-02	5.10E+00	
360.7	4249.8	1.43E-02	4.79E-02	4.37E-03	6.85E-01	1.42E-01	3.91E+00	1.02E-02	6.50E-05	8.59E-02	1.74E-03	1.70E-01	1.40E-02	5.08E+00	
361.5	4248.8	3.14E-02	3.39E-02	3.91E-03	8.80E-01	8.64E-02	3.72E+00	1.64E-02	7.27E-05	1.04E-01	1.51E-03	1.72E-01	1.50E-02	5.06E+00	
359.5	4248	3.19E-03	7.58E-02	3.01E-03	9.00E-01	2.48E-02	3.77E+00	1.22E-02	4.08E-05	1.58E-01	1.69E-03	9.64E-02	1.15E-02	5.05E+00	
361.4	4249	3.28E-02	3.79E-02	4.17E-03	8.24E-01	1.13E-01	3.71E+00	1.35E-02	6.82E-05	1.01E-01	1.64E-03	1.95E-01	1.64E-02	5.05E+00	
359.7	4249.1	8.52E-03	6.66E-02	4.01E-03	6.88E-01	9.25E-02	3.92E+00	9.90E-03	5.78E-05	9.00E-02	1.76E-03	1.48E-01	1.27E-02	5.04E+00	
361.2	4249.3	2.64E-02	3.70E-02	4.21E-03	7.53E-01	1.53E-01	3.73E+00	1.14E-02	6.35E-05	9.94E-02	1.62E-03	1.95E-01	1.61E-02	5.03E+00	
361.1	4247.1	4.09E-02	3.76E-02	4.10E-03	1.37E+00	1.39E-02	3.16E+00	2.00E-02	6.00E-05	2.93E-01	1.61E-03	7.24E-02	1.50E-02	5.03E+00	
360.49	4247.124	3.62E-03	2.54E-02	1.80E-03	8.96E-01	9.18E-03	2.93E+00	8.49E-03	1.71E-05	1.02E+00	7.84E-04	6.87E-02	3.25E-02	5.00E+00	
361.1	4249.5	2.72E-02	3.70E-02	5.15E-03	7.20E-01	1.62E-01	3.74E+00	1.10E-02	7.87E-05	9.46E-02	1.90E-03	1.78E-01	1.47E-02	4.99E+00	
361.6	4248.4	2.20E-02	3.77E-02	3.28E-03	9.68E-01	5.74E-02	3.61E+00	1.77E-02	6.01E-05	1.10E-01	1.37E-03	1.40E-01	1.34E-02	4.98E+00	
361.4	4247.2	3.78E-02	3.65E-02	3.62E-03	1.26E+00	1.80E-02	3.30E+00	2.29E-02	6.57E-05	1.83E-01	1.45E-03	7.52E-02	1.11E-02	4.95E+00	
359.528	4247.817	3.61E-03	9.24E-02	3.41E-03	9.07E-01	2.11E-02	3.62E+00	1.12E-02	4.22E-05	1.85E-01	2.03E-03	9.39E-02	1.29E-02	4.95E+00	
359.5	4248.9	7.04E-03	6.91E-02	3.46E-03	5.99E-01	5.60E-02	3.99E+00	8.52E-03	4.92E-05	9.43E-02	1.72E-03	1.07E-01	9.95E-03	4.94E+00	
361.6	4247.9	1.33E-02	3.08E-02	2.59E-03	1.19E+00	3.71E-02	3.39E+00	2.10E-02	4.58E-05	1.23E-01	1.08E-03	1.18E-01	1.28E-02	4.93E+00	
359.7	4249.3	7.65E-03	5.79E-02	3.66E-03	5.75E-01	8.60E-02	3.96E+00	8.16E-03	5.19E-05	7.75E-02	1.58E-03	1.28E-01	1.09E-02	4.92E+00	
359.5	4247.9	3.61E-03	7.95E-02	3.13E-03	8.67E-01	2.27E-02	3.60E+00	1.13E-02	4.06E-05	1.77E-01	1.77E-03	8.99E-02	1.17E-02	4.87E+00	
360.765	4247.037	6.39E-03	3.33E-02	2.44E-03	1.19E+00	1.12E-02	2.84E+00	1.31E-02	2.68E-05	6.68E-01	1.05E-03	7.26E-02	2.56E-02	4.87E+00	
361.6	4248.5	2.81E-02	3.70E-02	3.72E-03	9.46E-01	6.11E-02	3.50E+00	1.72E-02	6.77E-05	1.10E-01	1.50E-03	1.45E-01	1.36E-02	4.87E+00	
361.2	4247.1	3.60E-02	3.67E-02	3.63E-03	1.30E+00	1.49E-02	3.12E+00	1.96E-02	5.46E-05	2.46E-01	1.45E-03	7.20E-02	1.32E-02	4.86E+00	
361.5	4247.7	1.84E-02	3.54E-02	3.01E-03	1.03E+00	3.15E-02	3.45E+00	2.10E-02	6.13E-05	1.33E-01	1.24E-03	1.05E-01	1.17E-02	4.84E+00	
360.5	4249.8	1.04E-02	5.23E-02	4.30E-03	6.03E-01	1.18E-01	3.81E+00	9.18E-03	6.55E-05	7.57E-02	1.75E-03	1.33E-01	1.12E-02	4.83E+00	
361.6	4248.6	3.07E-02	3.50E-02	3.92E-03	9.10E-01	6.38E-02	3.46E+00	1.69E-02	7.30E-05	1.07E-01	1.54E-03	1.48E-01	1.36E-02	4.79E+00	
361.5	4248.9	3.21E-02	3.29E-02	3.93E-03	8.14E-01	9.00E-02	3.50E+00	1.45E-02	6.99E-05	9.83E-02	1.51E-03	1.68E-01	1.46E-02	4.77E+00	
361.5	4247.3	3.78E-02	3.63E-02	3.83E-03	1.19E+00	1.97E-02	3.19E+00	2.22E-02	7.17E-05	1.63E-01	1.50E-03	7.58E-02	1.03E-02	4.75E+00	
361.2	4249.4	2.67E-02	3.53E-02	4.28E-03	7.02E-01	1.44E-01	3.53E+00	1.06E-02	6.44E-05	9.36E-02	1.62E-03	1.75E-01	1.46E-02	4.73E+00	
361.3	4247.1	3.13E-02	3.56E-02	3.38E-03	1.23E+00	1.57E-02	3.09E+00	1.94E-02	5.31E-05	2.20E-01	1.36E-03	7.11E-02	1.21E-02	4.73E+00	
360.9	4249.8	1.83E-02	4.25E-02	4.52E-03	6.53E-01	1.17E-01	3.64E+00	1.02E-02	7.04E-05	8.23E-02	1.76E-03	1.50E-01	1.26E-02	4.73E+00	
361.6	4248.7	2.89E-02	3.24E-02	3.67E-03	8.59E-01	6.52E-02	3.45E+00	1.63E-02	6.98E-05	1.02E-01	1.42E-03	1.48E-01	1.33E-02	4.72E+00	
360.35	4249.797	8.40E-03	5.34E-02	4.14E-03	5.73E-01	1.22E-01	3.73E+00	8.71E-03	6.30E-05	7.42E-02	1.69E-03	1.26E-01	1.05E-02	4.71E+00	
361.3	4249.2	2.96E-02	3.67E-02	4.24E-03	7.31E-01	1.25E-01	3.47E+00	1.15E-02	6.68E-05	9.55E-02	1.62E-03	1.77E-01	1.49E-02	4.70E+00	
361.5	4247.4	2.81E-02	3.62E-02	3.50E-03	1.15E+00	2.17E-02	3.19E+00	2.14E-02	6.53E-05	1.62E-01	1.40E-03	7.93E-02	1.05E-02	4.70E+00	
360.8	4249.8	1.56E-02	4.40E-02	4.13E-03	6.70E-01	1.30E-01	3.57E+00	1.03E-02	6.34E-05	8.43E-02	1.64E-03	1.58E-01	1.32E-02	4.70E+00	
359.459	4247.985	3.18E-03	7.03E-02	2.85E-03	8.28E-01	2.31E-02	3.49E+00	1.14E-02	3.91E-05	1.55E-01	1.58E-03	8.82E-02	1.06E-02	4.68E+00	
361.7	4248.1	1.51E-02	3.42E-02	2.75E-03	9.92E-01	4.08E-02	3.34E+00	1.95E-02	5.41E-05	1.08E-01	1.17E-03	1.14E-01	1.17E-02	4.68E+00	
360.4	4249.8	8.94E-03	5.34E-02	4.20E-03	5.71E-01	1.04E-01	3.72E+00	8.78E-03	6.45E-05	7.20E-02	1.72E-03	1.21E-01	1.03E-02	4.68E+00	
360.428	4247.101	3.48E-03	2.33E-02	1.58E-03	6.89E-01	8.62E-03	2.58E+00	7.02E-03	1.61E-05	1.26E+00	6.97E-04	7.37E-02	2.53E-02	4.67E+00	
359.5	4247.8	3.62E-03	8.72E-02	3.28E-03	8.48E-01	2.01E-02	3.42E+00	1.06E-02	4.10E-05	1.70E-01	1.93E-03	8.82E-02	1.20E-02	4.66E+00	
361	4249.7	2.14E-02	3.84E-02	4.79E-03	6.70E-01	1.26E-01	3.53E+00	1.05E-02	7.48E-05	8.60E-02	1.80E-03	1.57E-01	1.31E-02	4.66E+00	
360.277	4249.8	7.70E-03	5.20E-02	3.99E-03	5.72E-01	1.20E-01	3.67E+00	8.47E-03	5.90E-05	7.51E-02	1.62E-03	1.36E-01	1.12E-02	4.65E+00	
360.6	4249.9	1.14E-02	4.70E-02	4.10E-03	6.08E-01	1.21E-01	3.60E+00	9.10E-03	6.13E-05	7.57E-02	1.64E-03	1.45E-01	1.21E-02	4.64E+00	
361.7	4248	1.30E-02	3.10E-02	2.55E-03	1.07E+00	3.70E-02	3.22E+00	1.92E-02	4.58E-05	1.14E-01	1.07E-03	1.11E-01	1.17E-02	4.63E+00	
361	4247	2.45E-02	3.50E-02	3.73E-03	1.21E+00	1.13E-02	2.83E+00	1.62E-02	4.99E-05	4.12E-01	1.46E-03	6.57E-02	1.70E-02	4.63E+00	
359.7	4249.4	7.19E-03	5.48E-02	3.53E-03	5.24E-01	7.99E-02	3.75E+00	7.39E-03	4.97E-05	7.12E-02	1.52E-03	1.17E-01	9.90E-03	4.62E+00	
361.7	4248.2	1.90E-02	3.58E-02	2.99E-03	9.45E-01	4.38E-02	3.33E+00	1.81E-02	5.72E-05	1.03E-01	1.26E-03	1.15E-01	1.16E-02	4.62E+00	
361.4	4249.1	3.44E-02	3.71E-02	4.48E-03	7.44E-01	1.05E-01	3.40E+00	1.20E-02	7.26E-05	9.43E-02	1.71E-03	1.74E-01	1.47E-02	4.62E+00	
360.9	4247	1.26E-02	3.49E-02	3.07E-03	1.18E+00	1.09E-02	2.75E+00	1.43E-02	3.74E-05	5.14E-01	1.25E-03	6.81E-02	1.97E-02	4.61E+00	
361.5	4247.2	4.20E-02	3.51E-02	3.83E-03	1.15E+00	1.79E-02	3.09E+00	2.15E-02	7.17E-05	1.64E-01	1.50E-03	7.17E-02	1.02E-02	4.61E+00	
360.8	4247	6.87E-03	3.30E-02	2.50E-03	1.12E+00	1.08E-02	2.67E+00	1.26E-02	2.80E-05	6.30E-01	1.06E-03	6.90E-02	2.29E-02	4.58E+00	
359.888	4249.439	7.79E-03	6.32E-02	3.98E-03	5.95E-01	1.13E-01	3.54E+00	8.12E-03	5.43E-05	8.31E-02	1.71E-03	1.45E-01	1.21E-02	4.58E+00	
361.5	4247.5	1.85E-02	3.47E-02	3.05E-03	1.05E+00	2.42E-02	3.16E+00	2.04E-02	5.93E-05	1.53E-01	1.25E-03	8.35E-02	1.05E-02	4.57E+00	
361.4	4247.1	3.03E-02	3.45E-02	3.32E-03	1.16E+00	1.61E-02	3.01E+00	1.98E-02	5.66E-05	1.95E-01	1.33E-03	6.95E-02	1.11E-02	4.56E+00	
361.6	4247.8	1.42E-02	3.07E-02	2.57E-03	1.05E+00	3.33E-02	3.16E+00	1.88E-02	4.61E-05	1.20E-01	1.07E-03	1.09E-01	1.18E-02	4.56E+00	
361.1	4249.6	2.50E-02	3.52E-02	4.83E-03	6.63E-01	1.36E-01	3.42E+00	1.03E-02	7.51E-05	8.66E-02	1.78E-03	1.55E-01	1.29E-02	4.55E+00	
360.7	4249.9	1.31E-02	4.46E-02	4.08E-03	6.24E-01	1.15E-01	3.49E+00	9.40E-03	6.15E-05	7.69E-02	1.61E-03	1.47E-01	1.23E-02	4.54E+00	
361.1	4247	2.79E-02	3.48E-02	3.59E-03	1.20E+00	1.21E-02	2.83E+00	1.70E-02	5.08E-05	3.31E-01	1.42E-03	6.46E-02	1.47E-02	4.54E+00	
359.427	4248.61	5.43E-03	5.60E-02	2.94E-03	5.84E-01	4.25E-02	3.61E+00	7.18E-03	3.61E-05	1.19E-01	1.43E-03	9.77E-02	1.04E-02	4.53E+00	
361.6	4248.8	2.69E-02	3.07E-02	3.44E-03	7.99E-01	6.98E-02	3.33E+00	1.52E-02	6.56E-05	9.66E-02	1.34E-03	1.43E-01	1.27E-02	4.52E+00	
360.5	4249.9	9.87E-03	4.87E-02	4.04E-03	5.67E-01	1.14E-01	3.54E+00	8.56E-03	6.10E-05	7.16E-02	1.64E-03	1.27E-01	1.06E-02	4.51E+00	
361.7	4248.3	2.56E-02	3.48E-02	3.29E-03	8.94E-01	4.61E-02	3.26E+00	1.67E-02	6.12E-05	9.97E-02	1.34E-03	1.15E-01	1.14E-02	4.51E+00	
360.2	4249.8	7.13E-03	5.09E-02	3.85E-03	5.44E-01	1.07E-01	3.57E+00	7.79E-03	5.52E-05	7.19E-02	1.56E-03	1.29E-01	1.07E-02	4.50E+00	
361.5	4249	3.26E-02	3.30E-02	4.13E-03	7.50E-01	9.03E-02	3.28E+00	1.28E-02	7.06E-05	9.27E-02	1.57E-03	1.62E-01	1.40E-02	4.48E+00	
360.186	4249.823	6.99E-03	4.98E-02	3.78E-03	5.23E-01	1.00E-01	3.58E+00	7.48E-03	5.41E-05	6.92E-02	1.53E-03	1.23E-01	1.02E-02	4.47E+00	
361.5	4247.6	1.69E-02	3.36E-02	2.90E-03	9.92E-01	2.75E-02	3.13E+00	2.05E-02	6.00E-05	1.42E-01	1.19E-03	9.16E-02	1.07E-02	4.47E+00	
359.6	4249	7.81E-03	6.46E-02	3.63E-03	6.46E-01	7.19E-02	3.40E+00	9.30E-03	5.23E-05	8.84E-02	1.66E-03	1.24E-01	1.11E-02	4.43E+00	
361.7	4247.9	1.24E-02	2.88E-02	2.42E-03	1.06E+00	3.37E-02	3.03E+00	1.86E-02	4.26E-05	1.14E-01	1.01E-03	1.04E-01	1.13E-02	4.42E+00	
361.2	4249.5	2.78E-02	3.39E-02	4.62E-03	6.53E-01	1.34E-01	3.28E+00	9.97E-03	7.06E-05	8.70E-02	1.71E-03	1.54E-01	1.30E-02	4.40E+00	
361.2	4247	2.71E-02	3.42E-02	3.33E-03	1.16E+00	1.31E-02	2.79E+00	1.70E-02	4.90E-05	2.73E-01	1.33E-03	6.45E-02	1.32E-02	4.39E+00	
361.7	4248.4	2.80E-02	3.42E-02	3.42E-03	8.54E-01	4.80E-02	3.16E+00	1.59E-02	6.34E-05	9.79E-02	1.38E-03	1.17E-01	1.15E-02	4.37E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.399	4248.787	6.25E-03	6.01E-02	3.14E-03	5.51E-01	4.39E-02	3.48E+00	7.43E-03	4.23E-05	1.08E-01	1.54E-03	9.25E-02	9.44E-03	4.37E+00	
361.3	4249.3	2.57E-02	3.38E-02	3.63E-03	6.73E-01	1.17E-01	3.24E+00	1.05E-02	5.98E-05	8.93E-02	1.47E-03	1.59E-01	1.34E-02	4.37E+00	
360.9	4249.9	1.72E-02	4.08E-02	4.35E-03	6.02E-01	9.69E-02	3.37E+00	9.44E-03	6.81E-05	7.50E-02	1.68E-03	1.30E-01	1.11E-02	4.36E+00	
359.6	4249.3	6.96E-03	5.17E-02	3.28E-03	5.15E-01	6.82E-02	3.51E+00	7.44E-03	4.74E-05	7.05E-02	1.42E-03	1.08E-01	9.32E-03	4.35E+00	
361.5	4247.1	3.75E-02	3.34E-02	3.56E-03	1.08E+00	1.62E-02	2.90E+00	1.95E-02	6.41E-05	1.76E-01	1.39E-03	6.70E-02	1.02E-02	4.35E+00	
360.8	4249.9	1.45E-02	4.20E-02	3.96E-03	6.14E-01	1.06E-01	3.33E+00	9.50E-03	6.13E-05	7.61E-02	1.57E-03	1.37E-01	1.16E-02	4.35E+00	
359.495	4247.725	3.09E-03	8.67E-02	3.11E-03	7.87E-01	1.78E-02	3.16E+00	1.09E-02	4.29E-05	1.59E-01	1.91E-03	8.12E-02	1.10E-02	4.32E+00	
359.4	4248.6	5.20E-03	5.40E-02	2.82E-03	5.66E-01	4.00E-02	3.42E+00	6.89E-03	3.43E-05	1.16E-01	1.38E-03	9.33E-02	1.01E-02	4.32E+00	
359.7	4249.2	7.99E-03	5.80E-02	3.66E-03	6.09E-01	8.98E-02	3.31E+00	9.00E-03	5.41E-05	8.22E-02	1.57E-03	1.33E-01	1.14E-02	4.31E+00	
361	4249.8	2.00E-02	3.74E-02	4.58E-03	6.22E-01	1.04E-01	3.28E+00	9.80E-03	7.22E-05	7.90E-02	1.73E-03	1.38E-01	1.17E-02	4.31E+00	
360.6	4250	1.07E-02	4.41E-02	3.88E-03	5.63E-01	1.00E-01	3.36E+00	8.41E-03	5.80E-05	6.84E-02	1.54E-03	1.30E-01	1.10E-02	4.30E+00	
360.5	4250	9.46E-03	4.58E-02	3.85E-03	5.41E-01	9.71E-02	3.39E+00	8.05E-03	5.73E-05	6.67E-02	1.55E-03	1.24E-01	1.05E-02	4.30E+00	
361.3	4247	3.78E-02	3.36E-02	3.58E-03	1.11E+00	1.39E-02	2.77E+00	1.69E-02	5.46E-05	2.38E-01	1.40E-03	6.45E-02	1.22E-02	4.29E+00	
359.4	4248.9	6.39E-03	6.19E-02	3.11E-03	5.32E-01	4.53E-02	3.43E+00	7.52E-03	4.40E-05	9.72E-02	1.56E-03	9.02E-02	8.81E-03	4.29E+00	
361.7	4247.8	1.44E-02	3.01E-02	2.53E-03	9.50E-01	3.08E-02	3.01E+00	1.66E-02	4.42E-05	1.12E-01	1.05E-03	9.92E-02	1.07E-02	4.28E+00	
361.6	4248.9	2.84E-02	2.93E-02	3.53E-03	7.42E-01	7.24E-02	3.14E+00	1.38E-02	6.57E-05	9.15E-02	1.35E-03	1.39E-01	1.23E-02	4.27E+00	
361.8	4248	1.29E-02	2.99E-02	2.45E-03	9.62E-01	3.36E-02	2.99E+00	1.69E-02	4.31E-05	1.06E-01	1.03E-03	9.73E-02	1.04E-02	4.27E+00	
360.236	4246.896	3.14E-03	3.25E-02	1.55E-03	4.72E-01	8.02E-03	1.32E+00	4.98E-03	1.63E-05	2.23E+00	8.08E-04	6.24E-02	1.26E-01	4.27E+00	
360.76	4246.934	5.54E-03	2.95E-02	2.22E-03	1.00E+00	1.00E-02	2.47E+00	1.11E-02	2.45E-05	6.48E-01	9.46E-04	6.22E-02	2.14E-02	4.26E+00	
359.425	4247.89	3.75E-03	6.86E-02	2.92E-03	7.62E-01	2.06E-02	3.14E+00	9.93E-03	3.80E-05	1.52E-01	1.56E-03	7.96E-02	1.06E-02	4.25E+00	
361.7	4248.5	2.80E-02	3.37E-02	3.62E-03	8.32E-01	5.06E-02	3.05E+00	1.52E-02	6.62E-05	9.71E-02	1.43E-03	1.21E-01	1.17E-02	4.24E+00	
361.6	4247.3	3.02E-02	3.40E-02	3.51E-03	1.04E+00	1.90E-02	2.86E+00	1.93E-02	6.50E-05	1.44E-01	1.38E-03	7.02E-02	9.31E-03	4.23E+00	
361.6	4247.2	3.11E-02	3.36E-02	3.45E-03	1.05E+00	1.76E-02	2.86E+00	1.95E-02	6.44E-05	1.48E-01	1.36E-03	6.72E-02	9.28E-03	4.23E+00	
359.6	4249.1	7.66E-03	5.84E-02	3.51E-03	6.04E-01	7.19E-02	3.26E+00	8.74E-03	5.07E-05	8.20E-02	1.54E-03	1.20E-01	1.06E-02	4.23E+00	
361.4	4249.2	2.96E-02	3.49E-02	4.04E-03	6.73E-01	9.85E-02	3.11E+00	1.09E-02	6.55E-05	8.77E-02	1.54E-03	1.52E-01	1.30E-02	4.22E+00	
361.8	4246.1	1.48E-02	3.24E-02	2.65E-03	8.93E-01	3.61E-02	3.00E+00	1.73E-02	5.14E-05	1.02E-01	1.12E-03	9.84E-02	1.02E-02	4.20E+00	
360.4	4249.9	8.45E-03	4.90E-02	3.87E-03	5.20E-01	8.63E-02	3.34E+00	8.02E-03	5.98E-05	6.49E-02	1.58E-03	1.07E-01	9.21E-03	4.20E+00	
361.1	4249.7	2.21E-02	3.38E-02	4.31E-03	6.17E-01	1.14E-01	3.17E+00	9.70E-03	6.77E-05	8.01E-02	1.61E-03	1.37E-01	1.16E-02	4.20E+00	
361.4	4247	3.37E-02	3.27E-02	3.39E-03	1.06E+00	1.44E-02	2.74E+00	1.69E-02	5.42E-05	2.11E-01	1.34E-03	6.38E-02	1.12E-02	4.19E+00	
361.7	4248.6	2.70E-02	3.21E-02	3.65E-03	8.11E-01	5.20E-02	3.02E+00	1.47E-02	6.62E-05	9.53E-02	1.42E-03	1.23E-01	1.16E-02	4.19E+00	
361.7	4248.7	2.55E-02	2.97E-02	3.42E-03	7.82E-01	5.31E-02	3.05E+00	1.43E-02	6.27E-05	9.23E-02	1.32E-03	1.24E-01	1.15E-02	4.19E+00	
361.5	4249.1	3.22E-02	3.35E-02	4.17E-03	6.84E-01	8.53E-02	3.04E+00	1.15E-02	7.03E-05	8.64E-02	1.58E-03	1.50E-01	1.29E-02	4.14E+00	
360.238	4247.099	4.56E-03	4.08E-02	1.80E-03	6.47E-01	1.01E-02	2.26E+00	6.71E-03	1.87E-05	1.04E+00	9.74E-04	9.29E-02	2.99E-02	4.13E+00	
360.7	4250	1.21E-02	4.19E-02	3.85E-03	5.72E-01	9.57E-02	3.19E+00	8.70E-03	5.86E-05	6.94E-02	1.51E-03	1.28E-01	1.09E-02	4.13E+00	
361.6	4247.4	2.37E-02	3.32E-02	3.25E-03	9.76E-01	2.08E-02	2.83E+00	1.80E-02	6.01E-05	1.44E-01	1.29E-03	7.30E-02	9.37E-03	4.13E+00	
361.3	4249.4	2.63E-02	3.21E-02	3.93E-03	6.30E-01	1.10E-01	3.07E+00	9.77E-03	6.09E-05	8.47E-02	1.48E-03	1.45E-01	1.24E-02	4.13E+00	
361	4246.9	2.07E-02	3.21E-02	3.54E-03	1.04E+00	1.01E-02	2.50E+00	1.34E-02	4.56E-05	4.27E-01	1.38E-03	5.96E-02	1.64E-02	4.12E+00	
361.6	4247.7	1.47E-02	3.04E-02	2.58E-03	8.99E-01	2.97E-02	2.90E+00	1.77E-02	5.10E-05	1.19E-01	1.06E-03	9.68E-02	1.06E-02	4.12E+00	
361.8	4248.2	2.01E-02	3.29E-02	2.97E-03	8.50E-01	3.78E-02	2.94E+00	1.65E-02	5.78E-05	9.66E-02	1.23E-03	9.75E-02	1.00E-02	4.11E+00	
359.849	4249.506	7.18E-03	5.57E-02	3.59E-03	5.30E-01	9.56E-02	3.20E+00	7.33E-03	4.96E-05	7.44E-02	1.53E-03	1.24E-01	1.04E-02	4.11E+00	
360.9	4246.9	1.13E-02	3.19E-02	2.89E-03	1.00E+00	9.77E-03	2.43E+00	1.17E-02	3.38E-05	5.14E-01	1.17E-03	6.13E-02	1.85E-02	4.09E+00	
361.1	4246.9	2.30E-02	3.21E-02	3.38E-03	1.05E+00	1.07E-02	2.52E+00	1.46E-02	4.71E-05	3.60E-01	1.33E-03	5.81E-02	1.42E-02	4.09E+00	
361.6	4247.1	3.20E-02	3.23E-02	3.34E-03	1.00E+00	1.62E-02	2.75E+00	1.83E-02	6.10E-05	1.60E-01	1.31E-03	6.37E-02	9.30E-03	4.08E+00	
359.6	4249.4	6.58E-03	4.85E-02	3.17E-03	4.73E-01	6.46E-02	3.31E+00	6.80E-03	4.56E-05	6.51E-02	1.36E-03	9.95E-02	8.59E-03	4.08E+00	
361.7	4248.8	2.23E-02	2.80E-02	3.06E-03	7.40E-01	5.67E-02	2.99E+00	1.39E-02	5.77E-05	8.92E-02	1.19E-03	1.21E-01	1.10E-02	4.08E+00	
361.8	4247.9	1.23E-02	2.78E-02	2.34E-03	9.51E-01	3.05E-02	2.82E+00	1.67E-02	4.12E-05	1.05E-01	9.76E-04	9.40E-02	1.02E-02	4.07E+00	
361.5	4247	3.54E-02	3.17E-02	3.44E-03	1.00E+00	1.47E-02	2.69E+00	1.69E-02	5.79E-05	1.91E-01	1.34E-03	6.23E-02	1.03E-02	4.06E+00	
361.2	4249.6	2.49E-02	3.24E-02	4.10E-03	6.06E-01	1.18E-01	3.03E+00	9.42E-03	6.37E-05	8.04E-02	1.53E-03	1.35E-01	1.15E-02	4.06E+00	
360.8	4246.9	6.01E-03	2.97E-02	2.29E-03	9.56E-01	9.66E-03	2.34E+00	1.06E-02	2.53E-05	6.15E-01	9.68E-04	6.03E-02	1.97E-02	4.05E+00	
359.362	4248.505	4.74E-03	5.00E-02	2.54E-03	5.80E-01	3.49E-02	3.15E+00	6.90E-03	3.02E-05	1.14E-01	1.27E-03	8.77E-02	9.82E-03	4.05E+00	
359.36	4248.7	5.49E-03	5.00E-02	2.70E-03	5.28E-01	3.91E-02	3.20E+00	6.69E-03	3.42E-05	1.08E-01	1.30E-03	8.71E-02	9.32E-03	4.04E+00	
359.836	4249.56	6.85E-03	5.27E-02	3.42E-03	4.93E-01	8.62E-02	3.20E+00	6.84E-03	4.75E-05	6.95E-02	1.46E-03	1.13E-01	9.53E-03	4.04E+00	
361.6	4247.5	1.65E-02	3.18E-02	2.86E-03	8.88E-01	2.33E-02	2.83E+00	1.74E-02	5.62E-05	1.39E-01	1.16E-03	7.74E-02	9.45E-03	4.03E+00	
361.6	4249	2.90E-02	2.86E-02	3.67E-03	6.86E-01	7.32E-02	2.94E+00	1.23E-02	6.60E-05	8.65E-02	1.39E-03	1.35E-01	1.20E-02	4.01E+00	
361.2	4246.9	2.50E-02	3.21E-02	3.31E-03	1.03E+00	1.15E-02	2.51E+00	1.50E-02	4.81E-05	2.99E-01	1.30E-03	5.83E-02	1.27E-02	4.01E+00	
360.9	4250	1.56E-02	3.90E-02	3.94E-03	5.58E-01	8.19E-02	3.10E+00	8.77E-03	6.20E-05	6.88E-02	1.53E-03	1.14E-01	9.89E-03	4.00E+00	
361.8	4248.3	2.67E-02	3.16E-02	3.24E-03	8.04E-01	3.91E-02	2.88E+00	1.50E-02	6.04E-05	9.18E-02	1.30E-03	9.75E-02	9.88E-03	4.00E+00	
361	4249.9	1.86E-02	3.66E-02	4.29E-03	5.77E-01	8.77E-02	3.05E+00	9.18E-03	6.82E-05	7.28E-02	1.63E-03	1.21E-01	1.05E-02	3.99E+00	
359.827	4249.617	6.56E-03	4.98E-02	3.28E-03	4.59E-01	7.80E-02	3.19E+00	6.39E-03	4.56E-05	6.49E-02	1.39E-03	1.03E-01	8.75E-03	3.97E+00	
360.3	4249.9	7.40E-03	4.70E-02	3.64E-03	4.89E-01	8.69E-02	3.15E+00	7.54E-03	5.62E-05	6.27E-02	1.48E-03	9.95E-02	8.56E-03	3.96E+00	
360.481	4247.029	3.17E-03	2.19E-02	1.59E-03	6.84E-01	8.37E-03	2.05E+00	7.08E-03	1.65E-05	1.10E+00	6.86E-04	5.68E-02	1.92E-02	3.95E+00	
359.4	4247.8	4.01E-03	6.72E-02	2.92E-03	7.12E-01	1.85E-02	2.92E+00	9.13E-03	3.75E-05	1.31E-01	1.56E-03	7.41E-02	9.79E-03	3.95E+00	
360.237	4246.998	3.77E-03	3.85E-02	1.76E-03	5.31E-01	8.94E-03	1.66E+00	5.73E-03	1.90E-05	1.57E+00	9.37E-04	7.76E-02	4.27E-02	3.94E+00	
361.3	4246.9	3.60E-02	3.17E-02	3.63E-03	1.01E+00	1.24E-02	2.50E+00	1.51E-02	5.42E-05	2.51E-01	1.40E-03	5.87E-02	1.17E-02	3.93E+00	
360.413	4246.996	2.98E-03	2.03E-02	1.41E-03	5.04E-01	7.68E-03	1.60E+00	5.71E-03	1.59E-05	1.71E+00	6.16E-04	5.60E-02	1.54E-02	3.93E+00	
360.8	4250	1.34E-02	3.97E-02	3.74E-03	5.67E-01	6.91E-02	3.00E+00	8.81E-03	5.81E-05	6.93E-02	1.47E-03	1.20E-01	1.03E-02	3.92E+00	
361.8	4247.8	1.37E-02	2.80E-02	2.39E-03	8.62E-01	2.80E-02	2.76E+00	1.50E-02	4.16E-05	1.03E-01	9.90E-04	8.87E-02	9.61E-03	3.91E+00	
359.7	4249.5	6.52E-03	4.68E-02	3.10E-03	4.66E-01	7.22E-02	3.12E+00	6.66E-03	4.41E-05	6.50E-02	1.32E-03	1.02E-01	8.74E-03	3.90E+00	
360.2	4249.9	6.75E-03	4.48E-02	3.49E-03	4.86E-01	8.80E-02	3.08E+00	7.09E-03	5.10E-05	6.37E-02	1.40E-03	1.10E-01	9.28E-03	3.90E+00	
359.8	4249.5	6.98E-03	5.19E-02	3.39E-03	5.11E-01	8.76E-02	3.04E+00	7.14E-03	4.73E-05	7.13E-02	1.44E-03	1.16E-01	9.88E-03	3.90E+00	
361.1	4249.8	1.99E-02	3.27E-02	3.96E-03	5.77E-01	9.49E-02	2.96E+00	9.18E-03	6.30E-05	7.46E-02	1.50E-03	1.22E-01	1.05E-02	3.90E+00	
361.3	4249.5	2.81E-02	3.10E-02	4.28E-03	5.93E-01	1.06E-01	2.90E+00	9.24E-03	6.67E-05	8.03E-02	1.57E-03	1.32E-01	1.14E-02	3.90E+00	
361.6	4247.6	1.45E-02	2.98E-02	2.62E-03	8.41E-01	2.63E-02	2.74E+00	1.74E-02	5.40E-05	1.29E-01	1.06E-03	8.51E-02	9.73E-03	3.90E+00	
361.4	4249.3	2.52E-02	3.23E-02	3.61E-03	6.18E-01	9.24E-02	2.88E+00	9.96E-03	5.82E-05	8.22E-02	1.39E-03	1.34E-01	1.16E-02	3.90E+00	
359.462	4247.632	3.27E-03	7.42E-02	2.75E-03	7.43E-01	1.51E-02	2.82E+00	1.11E-02	4.10E-05	1.30E-01	1.67E-03	7.11E-02	1.04E-02	3.88E+00	
361.8	4248.4	2.85E-02	3.09E-02	3.29E-03	7.62E-01	4.03E-02	2.79E+00	1.41E-02	6.12E-05	8.84E-02	1.31E-03	1.00E-01	9.96E-03	3.86E+00	
360.464	4246.838	2.66E-03	1.72E-02	1.29E-03	4.47E-01	7.16E-03	1.20E+00	5.30E-03	1.53E-05	2.13E+00	5.48E-04	4.05E-02	1.07E-02	3.86E+00	
361.7	4248.9	2.28E-02	2.67E-02	3.05E-03	6.87E-01	5.89E-02	2.84E+00	1.32E-02	5.83E-05	8.53E-02	1.18E-03	1.16E-01	1.06E-02	3.86E+00	
361.6	4247	3.59E-02	3.08E-02	3.45E-03	9.35E-01	1.49E-02	2.58E+00	1.66E-02	6.11E-05	1.75E-01	1.33E-03	6.03E-02	9.47E-03	3.86E+00	
361.9	4248	1.27E-02	2.84E-02	2.36E-03	8.62E-01	3.03E-02	2.71E+00	1.47E-02	4.03E-05	9.74E-02	9.89E-04	8.59E-02	9.20E-03	3.85E+00	
359.6	4249.2	7.26E-03	5.17E-02	3.26E-03	5.55E-01	7.05E-02	2.94E+00	8.09E-03	4.76E-05	7.56E-02	1.41E-03	1.13E-01	9.91E-03	3.84E+00	
361.4	4246.9	3.54E-02	3.10E-02	3.43E-03	9.67E-01	1.30E-02	2.48E+00	1.49E-02	5.26E-05	2.16E-01	1.33E-03	5.85E-02	1.06E-02	3.84E+00	
361.7	4247.2	2.31E-02	3.18E-02	3.06E-03	9.36E-01	1.69E-02	2.59E+00	1.72E-02	5.61E-05	1.33E-01	1.22E-03	6.23E-02	8.43E-03	3.82E+00	
360.4	4250	8.02E-03	4.52E-02	3.59E-03	4.75E-01	7.26E-02	3.04E+00	7.36E-03	5.56E-05	5.89E-02	1.46E-03	9.43E-02	8.23E-03	3.82E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
361.5	4249.2	2.86E-02	3.29E-02	3.85E-03	6.23E-01	7.94E-02	2.81E+00	1.03E-02	6.39E-05	8.11E-02	1.47E-03	1.34E-01	1.15E-02	3.82E+00	
359.377	4247.814	3.89E-03	6.33E-02	2.81E-03	6.95E-01	1.83E-02	2.82E+00	8.92E-03	3.60E-05	1.25E-01	1.47E-03	7.23E-02	9.51E-03	3.82E+00	
360.188	4249.929	6.61E-03	4.34E-02	3.40E-03	4.65E-01	8.20E-02	3.02E+00	6.81E-03	4.98E-05	6.12E-02	1.36E-03	1.04E-01	8.79E-03	3.81E+00	
360.6	4250.1	9.90E-03	4.09E-02	3.55E-03	5.03E-01	8.40E-02	2.98E+00	7.69E-03	5.43E-05	6.14E-02	1.42E-03	1.07E-01	9.17E-03	3.80E+00	
359.4	4247.7	3.57E-03	7.48E-02	2.92E-03	6.71E-01	1.64E-02	2.81E+00	9.63E-03	4.20E-05	1.23E-01	1.69E-03	6.84E-02	9.59E-03	3.79E+00	
361.7	4247.1	2.94E-02	3.13E-02	3.25E-03	9.20E-01	1.58E-02	2.55E+00	1.70E-02	6.01E-05	1.44E-01	1.27E-03	5.98E-02	8.50E-03	3.78E+00	
361.7	4247.7	1.39E-02	2.88E-02	2.44E-03	8.09E-01	2.81E-02	2.67E+00	1.55E-02	4.66E-05	1.12E-01	1.00E-03	9.01E-02	9.79E-03	3.78E+00	
361.9	4248.1	1.46E-02	3.03E-02	2.56E-03	8.06E-01	3.18E-02	2.69E+00	1.51E-02	4.79E-05	9.58E-02	1.07E-03	8.58E-02	9.05E-03	3.78E+00	
360.5	4250.1	8.81E-03	4.23E-02	3.51E-03	4.79E-01	8.09E-02	2.98E+00	7.30E-03	5.36E-05	5.92E-02	1.42E-03	1.01E-01	8.64E-03	3.77E+00	
361.2	4249.7	2.25E-02	3.10E-02	3.79E-03	5.66E-01	1.00E-01	2.83E+00	8.93E-03	5.98E-05	7.48E-02	1.43E-03	1.19E-01	1.03E-02	3.77E+00	
361.7	4247.3	1.99E-02	3.13E-02	2.94E-03	9.07E-01	1.83E-02	2.57E+00	1.63E-02	5.28E-05	1.29E-01	1.18E-03	6.51E-02	8.42E-03	3.77E+00	
360.7	4250.1	1.12E-02	3.94E-02	3.61E-03	5.27E-01	8.12E-02	2.91E+00	8.09E-03	5.54E-05	6.32E-02	1.42E-03	1.13E-01	9.76E-03	3.77E+00	
359.818	4249.667	6.31E-03	4.72E-02	3.14E-03	4.31E-01	7.13E-02	3.02E+00	6.03E-03	4.39E-05	6.10E-02	1.33E-03	9.59E-02	8.13E-03	3.75E+00	
359.8	4249.6	6.49E-03	4.81E-02	3.18E-03	4.56E-01	7.62E-02	2.98E+00	6.39E-03	4.45E-05	6.44E-02	1.35E-03	1.02E-01	8.65E-03	3.75E+00	
361.6	4249.1	2.69E-02	2.91E-02	3.52E-03	6.32E-01	7.03E-02	2.75E+00	1.10E-02	6.14E-05	8.08E-02	1.34E-03	1.27E-01	1.12E-02	3.74E+00	
361.5	4246.9	3.51E-02	3.02E-02	3.39E-03	9.21E-01	1.33E-02	2.46E+00	1.47E-02	5.42E-05	1.92E-01	1.31E-03	5.78E-02	1.02E-02	3.74E+00	
361.8	4248.5	2.62E-02	3.08E-02	3.27E-03	7.37E-01	4.22E-02	2.68E+00	1.35E-02	5.98E-05	8.65E-02	1.29E-03	1.02E-01	1.01E-02	3.73E+00	
359.304	4248.825	5.85E-03	5.11E-02	2.84E-03	4.88E-01	3.68E-02	2.95E+00	6.55E-03	3.81E-05	1.01E-01	1.35E-03	7.83E-02	8.36E-03	3.73E+00	
361.9	4247.9	1.18E-02	2.86E-02	2.25E-03	8.49E-01	2.79E-02	2.59E+00	1.49E-02	3.94E-05	9.51E-02	9.36E-04	8.36E-02	9.05E-03	3.71E+00	
361	4250	1.64E-02	3.54E-02	3.73E-03	5.38E-01	7.49E-02	2.85E+00	8.55E-03	5.92E-05	6.75E-02	1.45E-03	1.08E-01	9.45E-03	3.71E+00	
361.8	4248.7	2.25E-02	2.75E-02	3.21E-03	7.07E-01	4.39E-02	2.69E+00	1.27E-02	5.75E-05	8.27E-02	1.23E-03	1.06E-01	1.00E-02	3.70E+00	
359.5	4249	6.97E-03	5.47E-02	3.10E-03	5.65E-01	5.68E-02	2.81E+00	8.12E-03	4.46E-05	8.42E-02	1.42E-03	1.02E-01	9.39E-03	3.70E+00	
360.754	4246.831	4.76E-03	2.58E-02	1.96E-03	8.48E-01	8.99E-03	2.12E+00	9.48E-03	2.19E-05	6.04E-01	8.31E-04	5.36E-02	1.76E-02	3.69E+00	
361.7	4247.4	1.81E-02	3.04E-02	2.88E-03	8.38E-01	2.02E-02	2.56E+00	1.55E-02	5.32E-05	1.31E-01	1.15E-03	6.86E-02	8.55E-03	3.69E+00	
361.8	4248.6	2.26E-02	2.95E-02	3.13E-03	7.22E-01	4.30E-02	2.65E+00	1.30E-02	5.63E-05	8.47E-02	1.23E-03	1.04E-01	1.00E-02	3.68E+00	
359.302	4248.014	3.31E-03	5.36E-02	2.43E-03	6.36E-01	1.91E-02	2.76E+00	9.25E-03	3.54E-05	1.22E-01	1.26E-03	6.86E-02	8.59E-03	3.68E+00	
359.3	4248.9	5.84E-03	5.49E-02	2.82E-03	4.76E-01	3.71E-02	2.91E+00	6.62E-03	3.92E-05	9.70E-02	1.40E-03	7.62E-02	7.96E-03	3.67E+00	
361.1	4246.8	1.88E-02	2.97E-02	3.18E-03	9.23E-01	9.52E-03	2.26E+00	1.27E-02	4.37E-05	3.38E-01	1.24E-03	5.32E-02	1.35E-02	3.67E+00	
361.8	4248.8	2.04E-02	2.58E-02	2.94E-03	6.81E-01	4.69E-02	2.68E+00	1.25E-02	5.38E-05	8.08E-02	1.13E-03	1.04E-01	9.71E-03	3.66E+00	
359.3	4248.7	5.18E-03	4.56E-02	2.50E-03	4.91E-01	3.47E-02	2.88E+00	6.13E-03	3.12E-05	1.02E-01	1.20E-03	7.91E-02	8.65E-03	3.66E+00	
361.9	4248.2	1.78E-02	3.03E-02	2.74E-03	7.64E-01	3.29E-02	2.61E+00	1.49E-02	5.35E-05	9.15E-02	1.13E-03	8.38E-02	8.79E-03	3.66E+00	
359.301	4248.574	4.57E-03	4.73E-02	2.37E-03	5.14E-01	3.26E-02	2.85E+00	6.17E-03	2.85E-05	1.07E-01	1.19E-03	7.97E-02	8.81E-03	3.66E+00	
361.3	4249.6	2.63E-02	2.99E-02	3.96E-03	5.57E-01	9.93E-02	2.72E+00	8.75E-03	6.25E-05	7.54E-02	1.47E-03	1.19E-01	1.04E-02	3.66E+00	
360.2	4250	6.51E-03	4.10E-02	3.27E-03	4.38E-01	7.37E-02	2.92E+00	6.51E-03	4.87E-05	5.72E-02	1.30E-03	9.55E-02	8.13E-03	3.66E+00	
361.2	4246.8	2.46E-02	2.99E-02	3.34E-03	9.24E-01	1.02E-02	2.29E+00	1.32E-02	4.78E-05	2.85E-01	1.30E-03	5.30E-02	1.24E-02	3.65E+00	
361.7	4247	3.39E-02	3.01E-02	3.38E-03	8.75E-01	1.48E-02	2.45E+00	1.59E-02	6.14E-05	1.59E-01	1.30E-03	5.73E-02	8.65E-03	3.65E+00	
361.4	4249.4	2.52E-02	3.02E-02	3.58E-03	5.72E-01	8.62E-02	2.71E+00	9.25E-03	5.79E-05	7.76E-02	1.36E-03	1.21E-01	1.05E-02	3.65E+00	
359.3	4248.6	4.61E-03	4.71E-02	2.37E-03	5.04E-01	3.31E-02	2.85E+00	6.09E-03	2.86E-05	1.05E-01	1.18E-03	7.95E-02	8.76E-03	3.65E+00	
359.5	4249.1	6.90E-03	5.10E-02	3.07E-03	5.33E-01	5.68E-02	2.80E+00	7.65E-03	4.40E-05	7.67E-02	1.36E-03	9.86E-02	8.98E-03	3.64E+00	
359.675	4249.736	6.20E-03	4.69E-02	3.14E-03	4.20E-01	7.06E-02	2.93E+00	5.86E-03	4.39E-05	5.96E-02	1.33E-03	9.30E-02	7.89E-03	3.64E+00	
359.6	4249.5	6.07E-03	4.30E-02	2.88E-03	4.28E-01	5.96E-02	2.93E+00	6.19E-03	4.16E-05	5.97E-02	1.22E-03	8.93E-02	7.72E-03	3.64E+00	
361.1	4249.9	1.80E-02	3.20E-02	3.67E-03	5.40E-01	8.04E-02	2.76E+00	8.68E-03	5.90E-05	6.97E-02	1.41E-03	1.10E-01	9.55E-03	3.63E+00	
361.7	4247.5	1.39E-02	2.91E-02	2.59E-03	7.67E-01	2.26E-02	2.56E+00	1.52E-02	5.14E-05	1.28E-01	1.05E-03	7.32E-02	8.72E-03	3.62E+00	
361.7	4249	2.23E-02	2.55E-02	3.02E-03	6.37E-01	5.98E-02	2.65E+00	1.19E-02	5.65E-05	8.12E-02	1.16E-03	1.14E-01	1.04E-02	3.62E+00	
361.6	4246.9	3.72E-02	2.94E-02	3.49E-03	8.73E-01	1.36E-02	2.41E+00	1.47E-02	5.88E-05	1.74E-01	1.33E-03	5.66E-02	9.50E-03	3.62E+00	
361	4246.8	1.67E-02	2.96E-02	3.30E-03	9.02E-01	9.05E-03	2.18E+00	1.14E-02	4.18E-05	3.90E-01	1.28E-03	5.41E-02	1.47E-02	3.61E+00	
360.548	4246.735	3.38E-03	1.72E-02	1.40E-03	5.93E-01	7.91E-03	1.40E+00	7.28E-03	1.72E-05	1.51E+00	5.79E-04	4.19E-02	1.02E-02	3.59E+00	
361.3	4246.8	3.28E-02	2.99E-02	3.61E-03	9.13E-01	1.11E-02	2.28E+00	1.34E-02	5.28E-05	2.43E-01	1.38E-03	5.35E-02	1.12E-02	3.59E+00	
360.9	4250.1	1.40E-02	3.66E-02	3.54E-03	5.19E-01	6.98E-02	2.76E+00	8.18E-03	5.58E-05	6.33E-02	1.39E-03	1.01E-01	8.89E-03	3.59E+00	
361.9	4248.3	2.01E-02	2.87E-02	2.74E-03	7.29E-01	3.36E-02	2.56E+00	1.35E-02	5.10E-05	8.68E-02	1.11E-03	8.40E-02	8.64E-03	3.57E+00	
360.6	4250.2	9.36E-03	3.86E-02	3.35E-03	4.69E-01	7.13E-02	2.78E+00	7.18E-03	5.13E-05	5.63E-02	1.34E-03	9.80E-02	8.49E-03	3.55E+00	
360.18	4250.032	6.36E-03	3.97E-02	3.19E-03	4.16E-01	6.78E-02	2.85E+00	6.20E-03	4.76E-05	5.45E-02	1.27E-03	8.98E-02	7.65E-03	3.55E+00	
360.8	4250.1	1.23E-02	3.75E-02	3.51E-03	5.24E-01	7.57E-02	2.70E+00	8.22E-03	5.50E-05	6.33E-02	1.38E-03	1.06E-01	9.26E-03	3.54E+00	
360.9	4246.8	9.26E-03	2.89E-02	2.64E-03	8.48E-01	8.82E-03	2.11E+00	9.92E-03	3.09E-05	4.55E-01	1.07E-03	5.38E-02	1.59E-02	3.54E+00	
361.8	4247.7	1.40E-02	2.77E-02	2.36E-03	7.28E-01	2.62E-02	2.52E+00	1.36E-02	4.39E-05	1.03E-01	9.73E-04	8.10E-02	8.89E-03	3.53E+00	
359.8	4249.7	6.09E-03	4.44E-02	2.99E-03	4.09E-01	6.60E-02	2.84E+00	5.76E-03	4.21E-05	5.80E-02	1.26E-03	8.93E-02	7.62E-03	3.53E+00	
360.3	4250	7.01E-03	4.27E-02	3.35E-03	4.39E-01	6.71E-02	2.81E+00	6.86E-03	5.23E-05	5.56E-02	1.35E-03	8.48E-02	7.46E-03	3.53E+00	
360.8	4246.8	5.37E-03	2.64E-02	2.08E-03	8.05E-01	8.73E-03	2.05E+00	9.18E-03	2.37E-05	5.53E-01	8.73E-04	5.19E-02	1.67E-02	3.53E+00	
361.9	4247.8	1.25E-02	2.60E-02	2.23E-03	7.77E-01	2.55E-02	2.49E+00	1.34E-02	3.86E-05	9.32E-02	9.24E-04	7.88E-02	8.61E-03	3.53E+00	
359.4	4247.6	3.63E-03	6.71E-02	2.62E-03	6.72E-01	1.40E-02	2.57E+00	1.01E-02	3.95E-05	1.14E-01	1.54E-03	6.23E-02	8.72E-03	3.52E+00	
361.5	4249.3	2.58E-02	3.12E-02	3.63E-03	5.70E-01	7.39E-02	2.60E+00	9.40E-03	5.98E-05	7.62E-02	1.38E-03	1.19E-01	1.03E-02	3.52E+00	
361.2	4249.8	2.09E-02	2.98E-02	3.75E-03	5.31E-01	8.52E-02	2.65E+00	8.52E-03	6.01E-05	7.00E-02	1.40E-03	1.07E-01	9.33E-03	3.52E+00	
361.8	4248.9	1.81E-02	2.46E-02	2.69E-03	6.43E-01	4.87E-02	2.58E+00	1.21E-02	5.06E-05	7.81E-02	1.05E-03	9.94E-02	9.28E-03	3.52E+00	
361.4	4246.8	3.56E-02	2.95E-02	3.50E-03	8.87E-01	1.17E-02	2.26E+00	1.34E-02	5.28E-05	2.07E-01	1.34E-03	5.38E-02	1.03E-02	3.51E+00	
360.4	4250.1	7.65E-03	4.20E-02	3.35E-03	4.40E-01	6.65E-02	2.79E+00	6.82E-03	5.20E-05	5.47E-02	1.36E-03	8.67E-02	7.59E-03	3.50E+00	
361.7	4247.6	1.28E-02	2.75E-02	2.39E-03	7.38E-01	2.53E-02	2.47E+00	1.51E-02	4.90E-05	1.18E-01	9.72E-04	7.98E-02	9.03E-03	3.50E+00	
361.8	4247.1	2.57E-02	2.99E-02	3.08E-03	8.44E-01	1.52E-02	2.37E+00	1.55E-02	5.66E-05	1.33E-01	1.21E-03	5.58E-02	7.79E-03	3.50E+00	
360.5	4250.2	8.32E-03	3.97E-02	3.30E-03	4.44E-01	6.86E-02	2.76E+00	6.79E-03	5.05E-05	5.43E-02	1.33E-03	9.17E-02	7.93E-03	3.49E+00	
360.7	4250.2	1.05E-02	3.71E-02	3.40E-03	4.88E-01	6.92E-02	2.70E+00	7.52E-03	5.24E-05	5.79E-02	1.34E-03	1.01E-01	8.80E-03	3.48E+00	
361.6	4249.2	2.86E-02	2.98E-02	3.77E-03	5.81E-01	6.52E-02	2.56E+00	9.91E-03	6.43E-05	7.59E-02	1.41E-03	1.17E-01	1.03E-02	3.48E+00	
359.329	4247.739	3.69E-03	6.04E-02	2.64E-03	6.10E-01	1.64E-02	2.60E+00	8.38E-03	3.62E-05	1.09E-01	1.41E-03	6.20E-02	8.43E-03	3.48E+00	
361.4	4249.5	2.69E-02	2.86E-02	3.78E-03	5.37E-01	8.21E-02	2.59E+00	8.69E-03	6.11E-05	7.40E-02	1.40E-03	1.12E-01	9.81E-03	3.47E+00	
361	4250.1	1.54E-02	3.44E-02	3.56E-03	5.03E-01	6.40E-02	2.67E+00	8.00E-03	5.66E-05	6.26E-02	1.38E-03	9.68E-02	8.58E-03	3.47E+00	
362	4248	1.18E-02	2.65E-02	2.19E-03	7.73E-01	2.71E-02	2.44E+00	1.31E-02	3.70E-05	8.83E-02	9.17E-04	7.57E-02	8.15E-03	3.47E+00	
361.9	4248.4	2.32E-02	2.80E-02	2.81E-03	6.89E-01	3.42E-02	2.50E+00	1.27E-02	5.18E-05	8.25E-02	1.12E-03	8.62E-02	8.69E-03	3.47E+00	
361.7	4246.9	3.23E-02	2.87E-02	3.28E-03	8.23E-01	1.37E-02	2.32E+00	1.44E-02	5.73E-05	1.56E-01	1.26E-03	5.47E-02	8.76E-03	3.46E+00	
360.473	4246.934	2.86E-03	1.92E-02	1.41E-03	5.41E-01	7.53E-03	1.50E+00	6.09E-03	1.59E-05	1.31E+00	6.06E-04	4.88E-02	1.32E-02	3.45E+00	
359.806	4249.729	6.01E-03	4.36E-02	2.95E-03	3.99E-01	6.40E-02	2.77E+00	5.62E-03	4.16E-05	5.66E-02	1.24E-03	8.66E-02	7.39E-03	3.44E+00	
359.5	4249.4	5.95E-03	4.10E-02	2.73E-03	4.25E-01	5.24E-02	2.76E+00	6.19E-03	3.96E-05	6.06E-02	1.16E-03	8.40E-02	7.43E-03	3.44E+00	
359.261	4248.605	4.53E-03	4.45E-02	2.25E-03	4.84E-01	3.08E-02	2.68E+00	5.85E-03	2.72E-05	1.02E-01	1.12E-03	7.49E-02	8.29E-03	3.44E+00	
359.429	4247.54	3.62E-03	5.95E-02	2.36E-03	7.20E-01	1.28E-02	2.45E+00	1.00E-02	3.29E-05	1.10E-01	1.38E-03	6.19E-02	8.15E-03	3.44E+00	
361.5	4246.8	3.50E-02	2.89E-02	3.39E-03	8.53E-01	1.22E-02	2.25E+00	1.33E-02	5.27E-05	1.76E-01	1.30E-03	5.36E-02	9.68E-03	3.44E+00	
361.8	4247	3.00E-02	2.93E-02	3.20E-03	8.18E-01	1.44E-02	2.32E+00	1.49E-02	5.82E-05	1.47E-01	1.24E-03	5.38E-02	7.93E-03	3.44E+00	
359.258	4248.295	4.09E-03	4.04E-02	2.03E-03	6.10E-01	2.44E-02	2.56E+00	7.30E-03	2.44E-05	1.03E-01	1.02E-03	7.04E-02	8.15E-03	3.43E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.26	4248.068	3.39E-03	5.14E-02	2.38E-03	6.10E-01	1.92E-02	2.55E+00	8.31E-03	3.24E-05	1.12E-01	1.23E-03	6.78E-02	8.23E-03	3.43E+00	
361.8	4247.2	2.14E-02	2.95E-02	2.93E-03	8.26E-01	1.63E-02	2.33E+00	1.48E-02	5.26E-05	1.21E-01	1.16E-03	5.78E-02	7.67E-03	3.43E+00	
360.9	4250.2	1.35E-02	3.59E-02	3.57E-03	4.85E-01	6.00E-02	2.65E+00	7.68E-03	5.66E-05	5.85E-02	1.38E-03	9.06E-02	8.06E-03	3.42E+00	
361.3	4249.7	2.45E-02	2.89E-02	3.79E-03	5.23E-01	8.80E-02	2.55E+00	8.30E-03	6.01E-05	7.05E-02	1.40E-03	1.06E-01	9.37E-03	3.41E+00	
361.1	4250	1.66E-02	3.14E-02	3.50E-03	5.08E-01	6.91E-02	2.60E+00	8.15E-03	5.62E-05	6.53E-02	1.35E-03	9.96E-02	8.78E-03	3.41E+00	
362	4248.1	1.25E-02	2.80E-02	2.30E-03	7.33E-01	2.78E-02	2.42E+00	1.33E-02	4.18E-05	8.85E-02	9.66E-04	7.50E-02	8.02E-03	3.41E+00	
361.7	4249.1	2.17E-02	2.52E-02	2.99E-03	5.90E-01	5.85E-02	2.49E+00	1.06E-02	5.37E-05	7.66E-02	1.14E-03	1.09E-01	9.87E-03	3.39E+00	
360.2	4250.1	6.32E-03	3.80E-02	3.09E-03	3.99E-01	6.26E-02	2.72E+00	6.02E-03	4.66E-05	5.17E-02	1.22E-03	8.44E-02	7.26E-03	3.38E+00	
362	4247.9	1.15E-02	2.53E-02	2.16E-03	7.80E-01	2.57E-02	2.37E+00	1.34E-02	3.80E-05	8.58E-02	8.98E-04	7.44E-02	8.08E-03	3.38E+00	
359.7	4249.6	6.03E-03	4.18E-02	2.83E-03	4.19E-01	6.40E-02	2.67E+00	6.00E-03	4.05E-05	5.89E-02	1.20E-03	8.91E-02	7.69E-03	3.37E+00	
361.6	4246.8	3.04E-02	2.82E-02	3.17E-03	8.14E-01	1.25E-02	2.23E+00	1.30E-02	5.08E-05	1.56E-01	1.22E-03	5.28E-02	9.10E-03	3.35E+00	
359.86	4249.794	5.94E-03	4.33E-02	2.96E-03	3.89E-01	6.34E-02	2.69E+00	5.48E-03	4.17E-05	5.54E-02	1.24E-03	8.44E-02	7.21E-03	3.35E+00	
361.9	4248.5	2.35E-02	2.81E-02	2.90E-03	6.63E-01	3.56E-02	2.40E+00	1.22E-02	5.34E-05	7.93E-02	1.15E-03	8.71E-02	8.77E-03	3.34E+00	
361.8	4247.3	1.52E-02	2.82E-02	2.59E-03	7.70E-01	1.76E-02	2.28E+00	1.36E-02	4.56E-05	1.16E-01	1.04E-03	6.04E-02	7.60E-03	3.32E+00	
360.235	4246.794	2.82E-03	2.78E-02	1.38E-03	3.82E-01	7.25E-03	1.10E+00	4.42E-03	1.60E-05	1.66E+00	7.05E-04	4.11E-02	8.22E-02	3.31E+00	
359.4	4249	6.31E-03	4.93E-02	2.77E-03	5.01E-01	4.57E-02	2.52E+00	7.20E-03	3.98E-05	8.47E-02	1.29E-03	8.50E-02	8.19E-03	3.31E+00	
361.8	4249	1.68E-02	2.35E-02	2.60E-03	6.02E-01	4.95E-02	2.42E+00	1.14E-02	4.93E-05	7.52E-02	1.01E-03	9.74E-02	9.07E-03	3.31E+00	
360.404	4246.9	2.66E-03	1.83E-02	1.26E-03	4.05E-01	6.97E-03	1.20E+00	4.89E-03	1.53E-05	1.60E+00	5.52E-04	4.96E-02	1.30E-02	3.31E+00	
361.4	4249.6	2.75E-02	2.77E-02	3.94E-03	5.10E-01	7.97E-02	2.46E+00	8.20E-03	6.34E-05	7.07E-02	1.44E-03	1.03E-01	9.20E-03	3.31E+00	
360.8	4250.2	1.15E-02	3.58E-02	3.34E-03	4.88E-01	6.48E-02	2.53E+00	7.69E-03	5.27E-05	5.83E-02	1.31E-03	9.55E-02	8.41E-03	3.30E+00	
361.2	4249.9	1.87E-02	2.88E-02	3.54E-03	5.01E-01	7.34E-02	2.49E+00	8.11E-03	5.73E-05	6.60E-02	1.33E-03	9.75E-02	8.59E-03	3.29E+00	
359.4	4249.3	5.82E-03	4.05E-02	2.61E-03	4.15E-01	4.42E-02	2.63E+00	5.97E-03	3.75E-05	6.19E-02	1.13E-03	7.68E-02	6.98E-03	3.29E+00	
361.2	4246.7	2.42E-02	2.79E-02	3.37E-03	8.21E-01	9.19E-03	2.07E+00	1.16E-02	4.77E-05	2.53E-01	1.29E-03	4.83E-02	1.15E-02	3.28E+00	
361.3	4246.7	2.87E-02	2.81E-02	3.50E-03	8.21E-01	9.93E-03	2.08E+00	1.19E-02	5.10E-05	2.27E-01	1.33E-03	4.88E-02	1.07E-02	3.27E+00	
361.9	4248.8	1.97E-02	2.39E-02	2.88E-03	6.18E-01	3.91E-02	2.39E+00	1.10E-02	5.12E-05	7.27E-02	1.09E-03	8.96E-02	8.53E-03	3.27E+00	
361.9	4248.7	2.04E-02	2.57E-02	2.90E-03	6.31E-01	3.66E-02	2.37E+00	1.13E-02	5.18E-05	7.44E-02	1.12E-03	9.00E-02	8.70E-03	3.27E+00	
362	4248.2	1.32E-02	2.80E-02	2.33E-03	6.88E-01	2.86E-02	2.33E+00	1.36E-02	4.62E-05	8.59E-02	9.79E-04	7.29E-02	7.78E-03	3.27E+00	
361.9	4248.6	2.03E-02	2.73E-02	2.80E-03	6.43E-01	3.59E-02	2.35E+00	1.17E-02	5.09E-05	7.65E-02	1.10E-03	8.86E-02	8.74E-03	3.27E+00	
360.5	4250.3	7.92E-03	3.75E-02	3.13E-03	4.16E-01	5.91E-02	2.59E+00	6.34E-03	4.77E-05	5.02E-02	1.26E-03	8.56E-02	7.47E-03	3.27E+00	
360.6	4250.3	8.84E-03	3.63E-02	3.14E-03	4.33E-01	6.14E-02	2.57E+00	6.65E-03	4.82E-05	5.18E-02	1.25E-03	8.75E-02	7.66E-03	3.27E+00	
361.8	4246.9	2.64E-02	2.81E-02	2.96E-03	7.72E-01	1.35E-02	2.21E+00	1.37E-02	5.27E-05	1.41E-01	1.15E-03	5.20E-02	8.03E-03	3.26E+00	
361.5	4249.4	2.35E-02	2.89E-02	3.37E-03	5.20E-01	6.84E-02	2.42E+00	8.68E-03	5.62E-05	7.17E-02	1.28E-03	1.05E-01	9.27E-03	3.26E+00	
359.5	4249.5	5.65E-03	3.89E-02	2.66E-03	3.92E-01	4.92E-02	2.62E+00	5.70E-03	3.87E-05	5.57E-02	1.12E-03	7.77E-02	6.84E-03	3.26E+00	
360.4	4250.2	7.29E-03	3.92E-02	3.15E-03	4.10E-01	6.09E-02	2.59E+00	6.36E-03	4.88E-05	5.09E-02	1.27E-03	8.03E-02	7.04E-03	3.25E+00	
361.4	4246.7	2.88E-02	2.80E-02	3.28E-03	8.16E-01	1.06E-02	2.09E+00	1.20E-02	4.83E-05	2.03E-01	1.26E-03	4.95E-02	1.01E-02	3.25E+00	
361.8	4247.4	1.54E-02	2.75E-02	2.64E-03	7.04E-01	1.93E-02	2.28E+00	1.29E-02	4.84E-05	1.13E-01	1.05E-03	6.40E-02	7.76E-03	3.25E+00	
361.1	4246.7	1.97E-02	2.76E-02	3.32E-03	8.17E-01	8.58E-03	2.01E+00	1.09E-02	4.41E-05	2.91E-01	1.27E-03	4.87E-02	1.23E-02	3.25E+00	
360.7	4250.3	9.90E-03	3.51E-02	3.21E-03	4.54E-01	6.02E-02	2.52E+00	7.00E-03	4.95E-05	5.34E-02	1.26E-03	9.08E-02	7.98E-03	3.24E+00	
361.514	4247.077	4.30E-03	3.17E-02	3.21E-03	7.54E-01	1.53E-02	2.18E+00	1.81E-02	7.73E-05	1.60E-01	1.26E-03	6.31E-02	9.03E-03	3.24E+00	33
359.5	4249.2	6.54E-03	4.49E-02	2.85E-03	4.87E-01	5.60E-02	2.46E+00	7.17E-03	4.20E-05	6.98E-02	1.23E-03	9.34E-02	8.42E-03	3.23E+00	
361	4250.2	1.54E-02	3.38E-02	3.76E-03	4.71E-01	5.56E-02	2.49E+00	7.48E-03	5.98E-05	5.81E-02	1.42E-03	8.65E-02	7.80E-03	3.23E+00	
361.7	4246.8	2.53E-02	2.74E-02	2.93E-03	7.67E-01	1.27E-02	2.17E+00	1.29E-02	4.91E-05	1.41E-01	1.14E-03	5.17E-02	8.57E-03	3.22E+00	
361.8	4247.5	1.27E-02	2.66E-02	2.39E-03	6.56E-01	2.14E-02	2.30E+00	1.28E-02	4.66E-05	1.12E-01	9.64E-04	6.82E-02	8.00E-03	3.22E+00	
361.1	4250.1	1.64E-02	3.10E-02	3.66E-03	4.77E-01	5.96E-02	2.46E+00	7.66E-03	5.87E-05	6.10E-02	1.38E-03	9.03E-02	8.08E-03	3.22E+00	
360.5	4246.7	3.00E-03	1.56E-02	1.25E-03	4.52E-01	7.45E-03	1.13E+00	6.14E-03	1.69E-05	1.55E+00	5.16E-04	3.59E-02	8.93E-03	3.21E+00	
361.9	4248.9	1.83E-02	2.28E-02	2.69E-03	5.96E-01	4.07E-02	2.34E+00	1.09E-02	4.89E-05	7.08E-02	1.03E-03	8.63E-02	8.20E-03	3.20E+00	
362	4247.8	1.14E-02	2.44E-02	2.11E-03	7.03E-01	2.35E-02	2.26E+00	1.21E-02	3.64E-05	8.46E-02	8.70E-04	7.10E-02	7.76E-03	3.20E+00	
359.7	4249.7	5.68E-03	3.90E-02	2.69E-03	3.77E-01	5.63E-02	2.57E+00	5.41E-03	3.86E-05	5.33E-02	1.13E-03	7.93E-02	6.84E-03	3.20E+00	
362	4248.3	1.51E-02	2.63E-02	2.35E-03	6.60E-01	2.90E-02	2.29E+00	1.25E-02	4.46E-05	8.24E-02	9.67E-04	7.33E-02	7.66E-03	3.20E+00	
360.3	4250.1	6.70E-03	3.94E-02	3.11E-03	4.04E-01	5.80E-02	2.54E+00	6.34E-03	4.88E-05	5.10E-02	1.25E-03	7.65E-02	6.79E-03	3.20E+00	
359.21	4248.621	4.51E-03	4.16E-02	2.14E-03	4.59E-01	2.85E-02	2.48E+00	5.56E-03	2.59E-05	9.93E-02	1.06E-03	6.95E-02	7.75E-03	3.20E+00	
361.5	4246.7	2.72E-02	2.76E-02	3.07E-03	7.96E-01	1.11E-02	2.08E+00	1.20E-02	4.61E-05	1.77E-01	1.19E-03	4.97E-02	9.31E-03	3.20E+00	
361.9	4247	2.57E-02	2.83E-02	2.98E-03	7.58E-01	1.38E-02	2.16E+00	1.37E-02	5.39E-05	1.34E-01	1.16E-03	5.03E-02	7.28E-03	3.20E+00	
360.091	4250.02	6.03E-03	3.89E-02	3.07E-03	3.83E-01	6.14E-02	2.56E+00	5.63E-03	4.51E-05	5.17E-02	1.22E-03	8.09E-02	6.95E-03	3.19E+00	
361.3	4249.8	2.35E-02	2.79E-02	3.91E-03	4.93E-01	7.66E-02	2.39E+00	7.92E-03	6.27E-05	6.62E-02	1.43E-03	9.55E-02	8.52E-03	3.19E+00	
361.6	4249.3	2.68E-02	2.88E-02	3.69E-03	5.26E-01	5.99E-02	2.35E+00	9.02E-03	6.34E-05	7.10E-02	1.37E-03	1.05E-01	9.33E-03	3.19E+00	
361.9	4247.1	2.23E-02	2.81E-02	2.89E-03	7.60E-01	1.46E-02	2.16E+00	1.37E-02	5.20E-05	1.23E-01	1.13E-03	5.18E-02	7.13E-03	3.18E+00	
361.7	4249.2	2.50E-02	2.56E-02	3.35E-03	5.43E-01	5.48E-02	2.33E+00	9.55E-03	5.89E-05	7.18E-02	1.25E-03	1.02E-01	9.18E-03	3.18E+00	
359.281	4247.665	4.19E-03	5.88E-02	2.63E-03	5.56E-01	1.46E-02	2.36E+00	8.30E-03	3.92E-05	9.46E-02	1.40E-03	5.59E-02	7.74E-03	3.17E+00	
360.9	4250.3	1.27E-02	3.45E-02	3.46E-03	4.53E-01	5.26E-02	2.46E+00	7.23E-03	5.52E-05	5.44E-02	1.33E-03	8.21E-02	7.38E-03	3.17E+00	
359.2	4248.3	4.18E-03	3.70E-02	1.96E-03	5.67E-01	2.26E-02	2.36E+00	6.79E-03	2.35E-05	9.55E-02	9.58E-04	6.43E-02	7.42E-03	3.16E+00	
359.5	4249.3	6.22E-03	4.15E-02	2.74E-03	4.58E-01	5.46E-02	2.43E+00	6.69E-03	4.00E-05	6.51E-02	1.16E-03	8.86E-02	7.93E-03	3.16E+00	
361.8	4247.6	1.22E-02	2.57E-02	2.24E-03	6.48E-01	2.38E-02	2.24E+00	1.29E-02	4.46E-05	1.06E-01	9.10E-04	7.28E-02	8.30E-03	3.15E+00	
359.8	4249.8	5.73E-03	4.02E-02	2.78E-03	3.68E-01	5.74E-02	2.53E+00	5.22E-03	3.96E-05	5.24E-02	1.16E-03	7.81E-02	6.73E-03	3.14E+00	
359.3	4247.6	4.32E-03	6.08E-02	2.63E-03	5.72E-01	1.35E-02	2.31E+00	8.79E-03	4.03E-05	9.51E-02	1.44E-03	5.42E-02	7.18E-03	3.13E+00	
359.4	4247.5	3.82E-03	5.04E-02	2.14E-03	6.63E-01	1.19E-02	2.24E+00	9.39E-03	3.03E-05	9.06E-02	1.21E-03	5.63E-02	7.04E-03	3.13E+00	
361	4246.7	1.59E-02	2.73E-02	3.19E-03	7.85E-01	8.21E-03	1.89E+00	9.62E-03	3.91E-05	3.29E-01	1.23E-03	4.82E-02	1.23E-02	3.12E+00	
362.1	4248	1.25E-02	2.51E-02	2.18E-03	6.94E-01	2.42E-02	2.20E+00	1.17E-02	3.67E-05	7.92E-02	8.99E-04	6.73E-02	7.27E-03	3.12E+00	
361.6	4246.7	2.60E-02	2.70E-02	2.96E-03	7.61E-01	1.15E-02	2.07E+00	1.18E-02	4.59E-05	1.55E-01	1.15E-03	4.93E-02	8.69E-03	3.12E+00	
362	4248.4	2.03E-02	2.55E-02	2.57E-03	6.26E-01	2.94E-02	2.24E+00	1.16E-02	4.77E-05	7.83E-02	1.02E-03	7.51E-02	7.68E-03	3.12E+00	
360.455	4246.743	2.57E-03	1.56E-02	1.17E-03	3.64E-01	6.42E-03	1.00E+00	4.68E-03	1.51E-05	1.68E+00	4.95E-04	3.19E-02	9.29E-03	3.12E+00	
361.4	4249.7	2.50E-02	2.69E-02	3.59E-03	4.83E-01	7.60E-02	2.32E+00	7.77E-03	5.77E-05	6.69E-02	1.33E-03	9.45E-02	8.49E-03	3.12E+00	
360.749	4246.728	4.50E-03	2.23E-02	1.80E-03	6.97E-01	8.12E-03	1.79E+00	8.41E-03	2.17E-05	5.28E-01	7.45E-04	4.46E-02	1.38E-02	3.11E+00	
360.648	4246.731	3.77E-03	1.94E-02	1.56E-03	6.67E-01	8.09E-03	1.61E+00	8.20E-03	1.92E-05	7.36E-01	6.48E-04	4.40E-02	1.21E-02	3.11E+00	
360.6	4246.7	3.63E-03	1.75E-02	1.45E-03	6.05E-01	7.77E-03	1.45E+00	7.52E-03	1.80E-05	9.72E-01	5.95E-04	4.07E-02	1.02E-02	3.11E+00	
359.2	4248	2.72E-03	4.27E-02	1.93E-03	5.41E-01	1.67E-02	2.34E+00	7.87E-03	2.80E-05	9.67E-02	1.01E-03	5.73E-02	7.29E-03	3.11E+00	
360.8	4250.3	1.09E-02	3.42E-02	3.22E-03	4.58E-01	5.67E-02	2.39E+00	7.22E-03	5.08E-05	5.41E-02	1.26E-03	8.71E-02	7.74E-03	3.11E+00	
361.9	4247.7	1.23E-02	2.49E-02	2.14E-03	6.50E-01	2.37E-02	2.21E+00	1.17E-02	3.84E-05	9.26E-02	8.81E-04	7.16E-02	7.93E-03	3.11E+00	
361.2	4250	1.74E-02	2.81E-02	3.49E-03	4.73E-01	6.29E-02	2.36E+00	7.71E-03	5.69E-05	6.22E-02	1.31E-03	8.97E-02	7.99E-03	3.11E+00	
359.183	4248.344	4.25E-03	3.41E-02	1.83E-03	5.42E-01	2.29E-02	2.33E+00	6.69E-03	2.26E-05	9.39E-02	8.92E-04	6.36E-02	7.36E-03	3.11E+00	
359.197	4248.226	3.79E-03	4.21E-02	2.13E-03	5.71E-01	2.10E-02	2.29E+00	6.55E-03	2.44E-05	9.62E-02	1.06E-03	6.24E-02	7.14E-03	3.10E+00	
361.8	4249.1	1.64E-02	2.26E-02	2.57E-03	5.58E-01	4.91E-02	2.27E+00	1.05E-02	4.81E-05	7.18E-02	9.88E-04	9.42E-02	8.77E-03	3.10E+00	
359.248	4247.823	2.88E-03	5.10E-02	2.23E-03	5.67E-01	1.58E-02	2.29E+00	7.42E-03	2.91E-05	9.70E-02	1.18E-03	5.83E-02	7.58E-03	3.10E+00	
359.2	4248.2	3.65E-03	4.29E-02	2.14E-03	5.72E-01	2.06E-02	2.28E+00	6.58E-03	2.46E-05	9.72E-02	1.07E-03	6.27E-02	7.21E-03	3.10E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.213	4247.902	2.98E-03	4.78E-02	2.16E-03	5.52E-01	1.57E-02	2.31E+00	7.32E-03	2.87E-05	9.14E-02	1.12E-03	5.77E-02	7.35E-03	3.09E+00	
359.2	4248.1	3.14E-03	4.51E-02	2.10E-03	5.62E-01	1.85E-02	2.28E+00	7.30E-03	2.73E-05	1.00E-01	1.09E-03	6.32E-02	7.63E-03	3.09E+00	
359.4	4249.1	6.21E-03	4.41E-02	2.68E-03	4.72E-01	4.56E-02	2.34E+00	6.77E-03	3.84E-05	7.44E-02	1.19E-03	8.20E-02	7.73E-03	3.09E+00	
361.5	4249.5	2.41E-02	2.69E-02	3.39E-03	4.85E-01	6.47E-02	2.30E+00	8.08E-03	5.65E-05	6.82E-02	1.26E-03	9.51E-02	8.48E-03	3.08E+00	
362.1	4248.1	1.26E-02	2.63E-02	2.22E-03	6.68E-01	2.46E-02	2.18E+00	1.18E-02	3.93E-05	8.05E-02	9.26E-04	6.57E-02	7.12E-03	3.08E+00	
361.9	4246.9	2.16E-02	2.75E-02	2.71E-03	7.26E-01	1.31E-02	2.09E+00	1.31E-02	4.89E-05	1.27E-01	1.07E-03	4.89E-02	7.34E-03	3.08E+00	
361.8	4246.8	2.24E-02	2.68E-02	2.76E-03	7.24E-01	1.27E-02	2.08E+00	1.26E-02	4.81E-05	1.29E-01	1.08E-03	5.00E-02	7.98E-03	3.07E+00	
360.2	4250.2	6.10E-03	3.51E-02	2.88E-03	3.67E-01	5.39E-02	2.47E+00	5.56E-03	4.37E-05	4.72E-02	1.14E-03	7.50E-02	6.52E-03	3.07E+00	
359.175	4248.58	4.33E-03	3.84E-02	1.96E-03	4.57E-01	2.63E-02	2.36E+00	5.56E-03	2.38E-05	9.82E-02	9.74E-04	6.58E-02	7.41E-03	3.06E+00	
359.894	4247.019	1.06E-02	3.05E-02	1.84E-03	6.01E-01	8.14E-03	1.86E+00	6.27E-03	1.92E-05	4.68E-01	8.63E-04	6.24E-02	1.65E-02	3.06E+00	
362.1	4247.9	1.23E-02	2.43E-02	2.18E-03	6.81E-01	2.34E-02	2.15E+00	1.20E-02	3.83E-05	7.77E-02	8.94E-04	6.67E-02	7.26E-03	3.06E+00	
359.196	4248.17	3.45E-03	4.26E-02	2.10E-03	5.66E-01	1.98E-02	2.25E+00	6.64E-03	2.46E-05	9.74E-02	1.06E-03	6.28E-02	7.30E-03	3.06E+00	
361.9	4249	1.78E-02	2.20E-02	2.67E-03	5.66E-01	4.13E-02	2.23E+00	1.07E-02	5.02E-05	6.87E-02	1.01E-03	8.39E-02	8.00E-03	3.05E+00	
361.9	4247.2	1.68E-02	2.69E-02	2.63E-03	7.15E-01	1.56E-02	2.09E+00	1.26E-02	4.64E-05	1.08E-01	1.04E-03	5.34E-02	6.93E-03	3.05E+00	
359.4	4249.2	6.02E-03	4.11E-02	2.61E-03	4.43E-01	4.52E-02	2.34E+00	6.36E-03	3.74E-05	6.73E-02	1.13E-03	7.92E-02	7.33E-03	3.04E+00	
360.4	4250.3	6.91E-03	3.67E-02	2.96E-03	3.83E-01	5.46E-02	2.41E+00	5.93E-03	4.58E-05	4.74E-02	1.19E-03	7.43E-02	6.55E-03	3.03E+00	
361.7	4246.7	2.61E-02	2.64E-02	2.93E-03	7.21E-01	1.17E-02	2.03E+00	1.17E-02	4.75E-05	1.36E-01	1.13E-03	4.86E-02	8.25E-03	3.02E+00	
359.6	4249.6	5.58E-03	3.70E-02	2.58E-03	3.85E-01	5.39E-02	2.39E+00	5.61E-03	3.73E-05	5.43E-02	1.08E-03	7.81E-02	6.84E-03	3.02E+00	
361.1	4250.2	1.62E-02	3.06E-02	3.87E-03	4.49E-01	5.22E-02	2.31E+00	7.15E-03	6.17E-05	5.70E-02	1.43E-03	8.19E-02	7.44E-03	3.02E+00	
362	4248.5	2.25E-02	2.57E-02	2.73E-03	6.00E-01	3.04E-02	2.17E+00	1.10E-02	5.02E-05	7.46E-02	1.07E-03	7.56E-02	7.75E-03	3.02E+00	
360.9	4246.7	9.27E-03	2.61E-02	2.50E-03	7.24E-01	8.02E-03	1.79E+00	8.44E-03	2.92E-05	3.77E-01	1.00E-03	4.59E-02	1.23E-02	3.01E+00	
361	4250.3	1.47E-02	3.28E-02	3.76E-03	4.41E-01	4.86E-02	2.32E+00	7.01E-03	5.98E-05	5.41E-02	1.41E-03	7.81E-02	7.14E-03	3.01E+00	
359.178	4247.981	2.70E-03	4.13E-02	1.88E-03	5.23E-01	1.60E-02	2.26E+00	7.55E-03	2.72E-05	8.96E-02	9.83E-04	5.49E-02	6.95E-03	3.00E+00	
361.3	4249.9	2.05E-02	2.68E-02	3.53E-03	4.67E-01	6.57E-02	2.25E+00	7.57E-03	5.73E-05	6.26E-02	1.31E-03	8.70E-02	7.84E-03	3.00E+00	
360.5	4250.4	7.47E-03	3.53E-02	2.93E-03	3.85E-01	5.14E-02	2.38E+00	5.88E-03	4.48E-05	4.62E-02	1.18E-03	7.69E-02	6.77E-03	3.00E+00	
359.3	4249	5.74E-03	4.58E-02	2.53E-03	4.50E-01	3.72E-02	2.28E+00	6.47E-03	3.64E-05	8.68E-02	1.20E-03	7.20E-02	7.34E-03	3.00E+00	
359.4	4249.4	5.50E-03	3.63E-02	2.44E-03	3.86E-01	4.28E-02	2.38E+00	5.60E-03	3.55E-05	5.72E-02	1.03E-03	7.20E-02	6.52E-03	2.99E+00	
360.8	4246.7	5.15E-03	2.32E-02	1.93E-03	6.78E-01	7.93E-03	1.74E+00	8.08E-03	2.30E-05	4.62E-01	7.96E-04	4.34E-02	1.28E-02	2.98E+00	
361.4	4246.6	2.50E-02	2.65E-02	3.14E-03	7.44E-01	9.63E-03	1.92E+00	1.08E-02	4.54E-05	1.79E-01	1.20E-03	4.55E-02	9.55E-03	2.98E+00	
361.3	4246.6	2.46E-02	2.64E-02	3.30E-03	7.43E-01	8.96E-03	1.90E+00	1.07E-02	4.74E-05	2.03E-01	1.25E-03	4.48E-02	1.00E-02	2.98E+00	
359.3	4249.2	5.57E-03	3.89E-02	2.42E-03	3.99E-01	3.69E-02	2.34E+00	5.70E-03	3.46E-05	6.68E-02	1.07E-03	6.82E-02	6.47E-03	2.97E+00	
361.5	4249.6	2.68E-02	2.57E-02	3.73E-03	4.62E-01	6.31E-02	2.22E+00	7.64E-03	6.16E-05	6.56E-02	1.35E-03	8.87E-02	8.01E-03	2.97E+00	
360.3	4250.2	6.42E-03	3.86E-02	2.91E-03	3.77E-01	5.41E-02	2.36E+00	5.91E-03	4.56E-05	4.78E-02	1.17E-03	7.10E-02	6.31E-03	2.96E+00	
361.5	4246.6	2.66E-02	2.64E-02	3.09E-03	7.37E-01	1.02E-02	1.93E+00	1.08E-02	4.52E-05	1.63E-01	1.18E-03	4.60E-02	8.98E-03	2.96E+00	
360.6	4250.4	8.28E-03	3.41E-02	2.91E-03	3.96E-01	5.20E-02	2.33E+00	6.13E-03	4.50E-05	4.71E-02	1.16E-03	7.54E-02	6.70E-03	2.96E+00	
360.1	4250.1	5.89E-03	3.62E-02	2.90E-03	3.59E-01	5.46E-02	2.37E+00	5.36E-03	4.33E-05	4.82E-02	1.15E-03	7.37E-02	6.40E-03	2.96E+00	
360.7	4246.7	4.04E-03	1.99E-02	1.63E-03	6.52E-01	7.89E-03	1.64E+00	8.05E-03	2.01E-05	5.74E-01	6.72E-04	4.18E-02	1.22E-02	2.96E+00	
360.9	4250.4	1.19E-02	3.30E-02	3.33E-03	4.24E-01	4.60E-02	2.30E+00	6.82E-03	5.35E-05	5.06E-02	1.28E-03	7.50E-02	6.81E-03	2.96E+00	
360.003	4250.007	5.75E-03	3.81E-02	2.87E-03	3.56E-01	5.63E-02	2.35E+00	5.17E-03	4.18E-05	4.93E-02	1.16E-03	7.39E-02	6.40E-03	2.94E+00	
361.2	4246.6	1.95E-02	2.60E-02	3.10E-03	7.36E-01	8.30E-03	1.85E+00	1.03E-02	4.32E-05	2.30E-01	1.18E-03	4.43E-02	1.04E-02	2.94E+00	
361.4	4249.8	2.39E-02	2.61E-02	3.53E-03	4.60E-01	6.87E-02	2.19E+00	7.35E-03	5.63E-05	6.33E-02	1.30E-03	8.64E-02	7.86E-03	2.94E+00	
362.1	4248.2	1.17E-02	2.59E-02	2.15E-03	6.22E-01	2.50E-02	2.09E+00	1.23E-02	4.24E-05	7.94E-02	9.00E-04	6.39E-02	6.92E-03	2.94E+00	
362	4247	1.84E-02	2.68E-02	2.61E-03	6.95E-01	1.31E-02	1.99E+00	1.26E-02	4.72E-05	1.23E-01	1.03E-03	4.67E-02	6.64E-03	2.94E+00	
361.2	4250.1	1.73E-02	2.77E-02	3.81E-03	4.46E-01	5.50E-02	2.23E+00	7.30E-03	6.24E-05	5.85E-02	1.40E-03	8.21E-02	7.41E-03	2.94E+00	
362	4248.6	1.84E-02	2.53E-02	2.55E-03	5.80E-01	3.04E-02	2.11E+00	1.05E-02	4.62E-05	7.12E-02	1.01E-03	7.65E-02	7.71E-03	2.93E+00	
361.9	4246.8	2.22E-02	2.64E-02	2.72E-03	6.89E-01	1.25E-02	2.00E+00	1.22E-02	4.82E-05	1.18E-01	1.06E-03	4.75E-02	7.36E-03	2.93E+00	
359.84	4249.884	5.57E-03	3.84E-02	2.69E-03	3.49E-01	5.40E-02	2.35E+00	4.98E-03	3.84E-05	4.98E-02	1.12E-03	7.32E-02	6.32E-03	2.93E+00	
362	4248.8	1.86E-02	2.24E-02	2.67E-03	5.60E-01	3.32E-02	2.13E+00	9.87E-03	4.70E-05	6.68E-02	1.01E-03	7.79E-02	7.55E-03	2.93E+00	
359.3	4249.3	5.51E-03	3.83E-02	2.49E-03	3.77E-01	3.64E-02	2.33E+00	5.37E-03	3.55E-05	6.00E-02	1.08E-03	6.62E-02	6.17E-03	2.93E+00	
362.1	4247.8	1.10E-02	2.34E-02	2.07E-03	6.37E-01	2.18E-02	2.07E+00	1.10E-02	3.58E-05	7.83E-02	8.50E-04	6.44E-02	7.05E-03	2.93E+00	
361.6	4246.6	2.74E-02	2.59E-02	3.03E-03	7.18E-01	1.06E-02	1.93E+00	1.09E-02	4.60E-05	1.49E-01	1.16E-03	4.61E-02	8.43E-03	2.93E+00	
362	4248.7	1.81E-02	2.40E-02	2.57E-03	5.66E-01	3.10E-02	2.11E+00	1.01E-02	4.58E-05	6.86E-02	9.99E-04	7.75E-02	7.64E-03	2.92E+00	
361.7	4249.3	2.43E-02	2.54E-02	3.41E-03	4.90E-01	5.00E-02	2.15E+00	8.62E-03	6.00E-05	6.68E-02	1.25E-03	9.23E-02	8.35E-03	2.92E+00	
361.6	4249.4	2.37E-02	2.70E-02	3.43E-03	4.74E-01	5.51E-02	2.16E+00	8.14E-03	5.88E-05	6.63E-02	1.27E-03	9.30E-02	8.30E-03	2.92E+00	
361.8	4246.7	2.67E-02	2.58E-02	2.94E-03	6.84E-01	1.19E-02	1.97E+00	1.15E-02	4.95E-05	1.23E-01	1.13E-03	4.76E-02	7.78E-03	2.91E+00	
359.5	4249.6	5.23E-03	3.46E-02	2.42E-03	3.57E-01	4.52E-02	2.34E+00	5.23E-03	3.55E-05	5.08E-02	1.01E-03	6.98E-02	6.16E-03	2.91E+00	
360.4	4246.8	2.47E-03	1.66E-02	1.16E-03	3.36E-01	6.36E-03	9.86E-01	4.27E-03	1.47E-05	1.51E+00	5.03E-04	3.48E-02	1.23E-02	2.91E+00	
361.8	4249.2	1.89E-02	2.24E-02	2.80E-03	5.13E-01	4.67E-02	2.13E+00	9.36E-03	5.11E-05	6.77E-02	1.05E-03	8.86E-02	8.22E-03	2.91E+00	
361.9	4247.3	1.23E-02	2.51E-02	2.32E-03	6.48E-01	1.67E-02	2.02E+00	1.14E-02	4.09E-05	1.00E-01	9.25E-04	5.52E-02	6.79E-03	2.90E+00	
359.6	4249.7	5.26E-03	3.47E-02	2.45E-03	3.49E-01	4.79E-02	2.33E+00	5.08E-03	3.56E-05	4.94E-02	1.02E-03	7.03E-02	6.15E-03	2.90E+00	
360.8	4250.4	1.02E-02	3.24E-02	3.03E-03	4.28E-01	4.98E-02	2.23E+00	6.79E-03	4.81E-05	5.02E-02	1.18E-03	7.97E-02	7.14E-03	2.90E+00	
362	4246.9	1.77E-02	2.66E-02	2.50E-03	6.84E-01	1.25E-02	1.97E+00	1.23E-02	4.48E-05	1.15E-01	9.93E-04	4.57E-02	6.74E-03	2.90E+00	
359.292	4247.507	3.90E-03	5.30E-02	2.29E-03	5.64E-01	1.17E-02	2.13E+00	7.71E-03	3.13E-05	7.28E-02	1.27E-03	4.89E-02	5.90E-03	2.90E+00	
362	4248.9	1.75E-02	2.12E-02	2.62E-03	5.46E-01	3.46E-02	2.11E+00	9.71E-03	4.65E-05	6.47E-02	9.88E-04	7.59E-02	7.31E-03	2.89E+00	
359.233	4247.589	4.51E-03	5.58E-02	2.54E-03	5.21E-01	1.29E-02	2.14E+00	7.95E-03	3.87E-05	8.30E-02	1.35E-03	4.95E-02	6.29E-03	2.89E+00	
359.2	4247.8	2.63E-03	4.72E-02	2.08E-03	5.21E-01	1.48E-02	2.13E+00	6.87E-03	2.71E-05	9.16E-02	1.10E-03	5.31E-02	7.05E-03	2.88E+00	
362	4247.7	1.14E-02	2.32E-02	2.05E-03	5.90E-01	2.14E-02	2.05E+00	1.03E-02	3.60E-05	8.44E-02	8.37E-04	6.50E-02	7.17E-03	2.87E+00	
362.1	4248.3	1.26E-02	2.42E-02	2.11E-03	5.97E-01	2.51E-02	2.04E+00	1.15E-02	4.08E-05	7.72E-02	8.72E-04	6.47E-02	6.85E-03	2.87E+00	
361.9	4249.1	1.51E-02	2.10E-02	2.45E-03	5.33E-01	4.16E-02	2.08E+00	1.01E-02	4.64E-05	6.62E-02	9.36E-04	8.25E-02	7.86E-03	2.86E+00	
359.4	4249.5	5.21E-03	3.41E-02	2.36E-03	3.58E-01	4.08E-02	2.29E+00	5.22E-03	3.44E-05	5.26E-02	9.86E-04	6.74E-02	6.07E-03	2.86E+00	
359.201	4247.714	2.96E-03	4.72E-02	2.09E-03	5.06E-01	1.43E-02	2.13E+00	6.98E-03	2.88E-05	8.72E-02	1.11E-03	5.11E-02	7.03E-03	2.85E+00	
361.7	4246.6	2.74E-02	2.54E-02	2.98E-03	6.85E-01	1.08E-02	1.90E+00	1.08E-02	4.70E-05	1.32E-01	1.14E-03	4.56E-02	7.92E-03	2.85E+00	
361.5	4249.7	2.50E-02	2.48E-02	3.46E-03	4.44E-01	6.12E-02	2.13E+00	7.24E-03	5.63E-05	6.32E-02	1.27E-03	8.30E-02	7.58E-03	2.85E+00	
359.7	4249.8	5.31E-03	3.51E-02	2.49E-03	3.39E-01	4.93E-02	2.29E+00	4.89E-03	3.59E-05	4.84E-02	1.03E-03	6.99E-02	6.08E-03	2.85E+00	
360.7	4250.4	8.98E-03	3.25E-02	2.87E-03	4.04E-01	4.57E-02	2.22E+00	6.40E-03	4.55E-05	4.73E-02	1.14E-03	7.25E-02	6.57E-03	2.84E+00	
362	4247.1	1.62E-02	2.60E-02	2.53E-03	6.67E-01	1.39E-02	1.93E+00	1.21E-02	4.57E-05	1.14E-01	9.98E-04	4.77E-02	6.44E-03	2.84E+00	
361.9	4247.4	1.17E-02	2.42E-02	2.26E-03	5.91E-01	1.82E-02	2.01E+00	1.09E-02	4.16E-05	9.62E-02	9.00E-04	5.79E-02	6.88E-03	2.83E+00	
361.1	4250.3	1.53E-02	2.97E-02	3.77E-03	4.20E-01	4.50E-02	2.17E+00	6.67E-03	5.99E-05	5.32E-02	1.39E-03	7.44E-02	6.86E-03	2.83E+00	
361.1	4246.6	1.48E-02	2.56E-02	2.91E-03	7.13E-01	7.79E-03	1.74E+00	9.35E-03	3.82E-05	2.52E-01	1.12E-03	4.36E-02	1.03E-02	2.82E+00	
359.792	4247.004	9.04E-03	2.51E-02	1.41E-03	6.20E-01	7.66E-03	1.74E+00	6.37E-03	1.45E-05	3.45E-01	6.78E-04	5.37E-02	1.46E-02	2.82E+00	
362.1	4248.4	1.78E-02	2.33E-02	2.36E-03	5.71E-01	2.55E-02	2.02E+00	1.06E-02	4.37E-05	7.41E-02	9.35E-04	6.62E-02	6.84E-03	2.82E+00	
359.107	4248.394	4.18E-03	3.12E-02	1.68E-03	4.83E-01	2.13E-02	2.12E+00	6.15E-03	2.14E-05	8.65E-02	8.19E-04	5.78E-02	6.66E-03	2.82E+00	
362.2	4248	1.45E-02	2.36E-02	2.26E-03	6.23E-01	2.15E-02	1.98E+00	1.05E-02	3.82E-05	7.13E-02	9.09E-04	5.98E-02	6.51E-03	2.81E+00	
361.3	4250	1.87E-02	2.58E-02	3.43E-03	4.40E-01	5.59E-02	2.11E+00	7.28E-03	5.68E-05	5.89E-02	1.27E-03	7.92E-02	7.20E-03	2.81E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
360.3	4250.3	6.19E-03	3.41E-02	2.76E-03	3.59E-01	5.21E-02	2.22E+00	5.57E-03	4.28E-05	4.53E-02	1.11E-03	6.96E-02	6.14E-03	2.80E+00	
361	4250.4	1.35E-02	3.15E-02	3.56E-03	4.10E-01	4.21E-02	2.16E+00	6.58E-03	5.71E-05	5.02E-02	1.33E-03	7.01E-02	6.48E-03	2.80E+00	
361.9	4246.7	2.62E-02	2.53E-02	2.92E-03	6.51E-01	1.18E-02	1.90E+00	1.12E-02	5.03E-05	1.13E-01	1.11E-03	4.58E-02	7.30E-03	2.79E+00	
361.2	4250.2	1.66E-02	2.73E-02	3.97E-03	4.21E-01	4.88E-02	2.13E+00	6.83E-03	6.43E-05	5.52E-02	1.44E-03	7.55E-02	6.91E-03	2.79E+00	
362.2	4248.1	1.49E-02	2.46E-02	2.31E-03	6.10E-01	2.18E-02	1.97E+00	1.05E-02	3.98E-05	7.28E-02	9.36E-04	5.79E-02	6.36E-03	2.79E+00	
362	4246.8	2.12E-02	2.59E-02	2.84E-03	6.53E-01	1.20E-02	1.90E+00	1.16E-02	4.67E-05	1.08E-01	1.03E-03	4.47E-02	6.81E-03	2.79E+00	
361.9	4247.6	1.13E-02	2.34E-02	2.07E-03	5.66E-01	2.18E-02	1.99E+00	1.08E-02	3.97E-05	9.37E-02	8.39E-04	6.48E-02	7.41E-03	2.79E+00	
359.396	4247.448	4.36E-03	4.02E-02	1.91E-03	5.92E-01	1.09E-02	1.99E+00	9.07E-03	2.93E-05	7.80E-02	1.02E-03	5.04E-02	6.20E-03	2.78E+00	
362	4249	1.52E-02	2.05E-02	2.43E-03	5.24E-01	3.48E-02	2.03E+00	9.47E-03	4.38E-05	6.24E-02	9.23E-04	7.32E-02	7.06E-03	2.78E+00	
359.8	4249.9	5.42E-03	3.83E-02	2.58E-03	3.32E-01	4.96E-02	2.22E+00	4.76E-03	3.69E-05	4.75E-02	1.07E-03	6.86E-02	5.96E-03	2.77E+00	
362.2	4247.9	1.29E-02	2.29E-02	2.18E-03	6.11E-01	2.11E-02	1.95E+00	1.07E-02	3.82E-05	7.13E-02	8.80E-04	5.97E-02	6.52E-03	2.77E+00	
360.2	4250.3	5.89E-03	3.24E-02	2.71E-03	3.39E-01	4.72E-02	2.22E+00	5.13E-03	4.11E-05	4.34E-02	1.07E-03	6.73E-02	5.92E-03	2.77E+00	
360.6	4250.5	7.87E-03	3.23E-02	2.74E-03	3.69E-01	4.54E-02	2.19E+00	5.73E-03	4.25E-05	4.37E-02	1.10E-03	6.88E-02	6.15E-03	2.77E+00	
359.1	4248.3	3.99E-03	3.23E-02	1.81E-03	5.06E-01	1.97E-02	2.05E+00	6.02E-03	2.15E-05	8.53E-02	8.59E-04	5.49E-02	6.34E-03	2.77E+00	
361.9	4247.5	1.10E-02	2.34E-02	2.13E-03	5.59E-01	1.99E-02	1.97E+00	1.07E-02	4.08E-05	9.55E-02	8.53E-04	6.10E-02	7.11E-03	2.76E+00	
361.4	4249.9	2.20E-02	2.51E-02	3.39E-03	4.37E-01	6.00E-02	2.06E+00	7.03E-03	5.44E-05	5.98E-02	1.24E-03	7.89E-02	7.25E-03	2.76E+00	
361.8	4246.6	2.70E-02	2.49E-02	2.91E-03	6.48E-01	1.10E-02	1.86E+00	1.05E-02	4.71E-05	1.20E-01	1.11E-03	4.49E-02	7.48E-03	2.76E+00	
360.9	4250.5	1.12E-02	3.15E-02	3.18E-03	3.99E-01	4.10E-02	2.14E+00	6.43E-03	5.12E-05	4.73E-02	1.21E-03	6.91E-02	6.32E-03	2.76E+00	
359.3	4249.4	5.24E-03	3.50E-02	2.37E-03	3.53E-01	3.54E-02	2.19E+00	5.08E-03	3.41E-05	5.49E-02	1.01E-03	6.28E-02	5.80E-03	2.76E+00	
361.5	4246.5	2.21E-02	2.52E-02	2.89E-03	6.80E-01	9.33E-03	1.79E+00	9.90E-03	4.22E-05	1.57E-01	1.11E-03	4.27E-02	8.51E-03	2.74E+00	
359.914	4249.995	5.55E-03	3.69E-02	2.69E-03	3.34E-01	5.10E-02	2.19E+00	4.82E-03	3.89E-05	4.71E-02	1.10E-03	6.85E-02	5.96E-03	2.74E+00	
361.6	4246.5	2.17E-02	2.49E-02	2.79E-03	6.75E-01	9.75E-03	1.80E+00	9.99E-03	4.13E-05	1.42E-01	1.08E-03	4.32E-02	8.18E-03	2.74E+00	
362.1	4248.5	2.00E-02	2.35E-02	2.49E-03	5.48E-01	2.62E-02	1.97E+00	1.00E-02	4.55E-05	7.11E-02	9.74E-04	6.65E-02	6.89E-03	2.74E+00	
359.1	4248.7	4.69E-03	3.62E-02	2.03E-03	3.98E-01	2.46E-02	2.11E+00	4.88E-03	2.49E-05	9.18E-02	9.58E-04	5.95E-02	6.67E-03	2.74E+00	
361.4	4246.5	2.34E-02	2.50E-02	3.10E-03	6.77E-01	8.76E-03	1.76E+00	9.82E-03	4.49E-05	1.76E-01	1.17E-03	4.18E-02	8.79E-03	2.74E+00	
359.1	4248.8	4.71E-03	3.56E-02	2.03E-03	3.89E-01	2.55E-02	2.12E+00	4.92E-03	2.57E-05	8.81E-02	9.46E-04	5.86E-02	6.54E-03	2.74E+00	
361.6	4249.5	2.11E-02	2.51E-02	3.13E-03	4.38E-01	5.18E-02	2.03E+00	7.45E-03	5.33E-05	6.27E-02	1.17E-03	8.30E-02	7.48E-03	2.73E+00	
360.5	4250.5	7.02E-03	3.30E-02	2.72E-03	3.52E-01	4.43E-02	2.17E+00	5.43E-03	4.19E-05	4.22E-02	1.10E-03	6.64E-02	5.93E-03	2.73E+00	
361.3	4246.5	2.26E-02	2.47E-02	3.21E-03	6.73E-01	8.13E-03	1.73E+00	9.54E-03	4.55E-05	2.01E-01	1.20E-03	4.12E-02	9.19E-03	2.73E+00	
359.832	4249.938	5.42E-03	3.62E-02	2.58E-03	3.29E-01	4.94E-02	2.18E+00	4.72E-03	3.70E-05	4.69E-02	1.07E-03	6.77E-02	5.88E-03	2.73E+00	
360.4	4250.4	6.44E-03	3.40E-02	2.73E-03	3.47E-01	4.15E-02	2.17E+00	5.42E-03	4.27E-05	4.23E-02	1.10E-03	6.31E-02	5.70E-03	2.72E+00	
360.383	4246.773	2.42E-03	1.64E-02	1.12E-03	3.09E-01	6.14E-03	9.23E-01	4.01E-03	1.46E-05	1.41E+00	4.91E-04	3.17E-02	1.23E-02	2.72E+00	
359.1	4248.9	4.79E-03	3.63E-02	2.04E-03	3.82E-01	2.60E-02	2.11E+00	5.09E-03	2.72E-05	8.53E-02	9.62E-04	5.67E-02	6.37E-03	2.72E+00	
359.079	4248.449	4.21E-03	3.11E-02	1.64E-03	4.47E-01	2.12E-02	2.08E+00	5.83E-03	2.14E-05	8.42E-02	8.08E-04	5.58E-02	6.40E-03	2.72E+00	
360.8	4250.5	9.59E-03	3.06E-02	2.85E-03	4.01E-01	4.43E-02	2.09E+00	6.39E-03	4.54E-05	4.68E-02	1.11E-03	7.29E-02	6.58E-03	2.71E+00	
361.5	4249.8	2.28E-02	2.40E-02	3.15E-03	4.27E-01	5.73E-02	2.02E+00	6.80E-03	5.03E-05	6.04E-02	1.17E-03	7.69E-02	7.11E-03	2.70E+00	
361.7	4246.5	2.16E-02	2.45E-02	2.71E-03	6.52E-01	1.00E-02	1.79E+00	1.00E-02	4.16E-05	1.29E-01	1.04E-03	4.29E-02	7.66E-03	2.69E+00	
361.9	4249.2	1.34E-02	2.02E-02	2.31E-03	4.94E-01	4.03E-02	1.97E+00	9.25E-03	4.32E-05	6.30E-02	8.81E-04	7.87E-02	7.48E-03	2.69E+00	
361.8	4249.3	1.85E-02	2.23E-02	2.81E-03	4.66E-01	4.28E-02	1.98E+00	8.32E-03	5.01E-05	6.34E-02	1.04E-03	8.15E-02	7.55E-03	2.69E+00	
362.1	4246.9	1.58E-02	2.54E-02	2.37E-03	6.34E-01	1.19E-02	1.84E+00	1.12E-02	4.20E-05	1.05E-01	9.42E-04	4.25E-02	6.16E-03	2.69E+00	
360.1	4250.2	5.66E-03	3.31E-02	2.66E-03	3.31E-01	4.71E-02	2.14E+00	4.97E-03	4.00E-05	4.42E-02	1.06E-03	6.55E-02	5.76E-03	2.68E+00	
359.1	4248.2	3.14E-03	3.64E-02	1.80E-03	4.99E-01	1.82E-02	1.97E+00	5.82E-03	2.10E-05	8.50E-02	9.10E-04	5.48E-02	6.42E-03	2.68E+00	
362.2	4247.8	1.02E-02	2.24E-02	1.98E-03	5.76E-01	2.02E-02	1.90E+00	9.93E-03	3.42E-05	7.33E-02	8.13E-04	5.81E-02	6.38E-03	2.68E+00	
362	4247.2	1.35E-02	2.43E-02	2.36E-03	6.07E-01	1.48E-02	1.85E+00	1.07E-02	4.17E-05	9.84E-02	9.30E-04	4.87E-02	6.20E-03	2.68E+00	
362.1	4248.6	1.67E-02	2.34E-02	2.34E-03	5.30E-01	2.60E-02	1.92E+00	9.52E-03	4.20E-05	6.79E-02	9.22E-04	6.69E-02	6.87E-03	2.67E+00	
362.2	4248.2	1.36E-02	2.44E-02	2.21E-03	5.70E-01	2.20E-02	1.89E+00	1.11E-02	4.29E-05	7.29E-02	9.03E-04	5.65E-02	6.22E-03	2.67E+00	
362	4246.7	2.40E-02	2.49E-02	2.79E-03	6.20E-01	1.15E-02	1.82E+00	1.08E-02	4.87E-05	1.03E-01	1.07E-03	4.36E-02	6.80E-03	2.66E+00	
361.7	4249.4	2.32E-02	2.45E-02	3.39E-03	4.41E-01	4.54E-02	1.96E+00	7.71E-03	5.92E-05	6.20E-02	1.23E-03	8.19E-02	7.46E-03	2.66E+00	
359.067	4248.643	4.60E-03	3.58E-02	1.93E-03	4.02E-01	2.28E-02	2.03E+00	4.90E-03	2.35E-05	8.95E-02	9.30E-04	5.70E-02	6.50E-03	2.65E+00	
362.1	4247.7	1.07E-02	2.19E-02	1.98E-03	5.45E-01	1.99E-02	1.90E+00	9.45E-03	3.43E-05	7.91E-02	8.03E-04	5.99E-02	6.59E-03	2.65E+00	
361.9	4246.6	2.35E-02	2.43E-02	2.73E-03	6.14E-01	1.11E-02	1.80E+00	1.03E-02	4.57E-05	1.09E-01	1.05E-03	4.38E-02	7.11E-03	2.65E+00	
361.6	4249.6	2.31E-02	2.39E-02	3.31E-03	4.17E-01	5.02E-02	1.98E+00	7.04E-03	5.60E-05	6.04E-02	1.21E-03	7.68E-02	7.02E-03	2.65E+00	
361.2	4246.5	1.72E-02	2.43E-02	2.91E-03	6.62E-01	7.56E-03	1.65E+00	8.96E-03	3.93E-05	2.20E-01	1.10E-03	4.05E-02	9.21E-03	2.65E+00	
362.1	4247	1.39E-02	2.49E-02	2.31E-03	6.18E-01	1.25E-02	1.80E+00	1.12E-02	4.20E-05	1.12E-01	9.19E-04	4.29E-02	5.96E-03	2.65E+00	
359.3	4249.1	5.64E-03	3.93E-02	2.38E-03	4.21E-01	3.71E-02	1.98E+00	6.10E-03	3.45E-05	7.56E-02	1.07E-03	6.92E-02	6.81E-03	2.65E+00	
360.7	4250.5	8.47E-03	3.07E-02	2.68E-03	3.75E-01	3.71E-02	2.07E+00	5.97E-03	4.26E-05	4.35E-02	1.07E-03	6.49E-02	5.96E-03	2.64E+00	
360	4250.1	5.54E-03	3.47E-02	2.66E-03	3.26E-01	4.88E-02	2.10E+00	4.81E-03	3.92E-05	4.52E-02	1.07E-03	6.54E-02	5.74E-03	2.64E+00	
361	4246.6	1.32E-02	2.48E-02	2.81E-03	6.59E-01	7.49E-03	1.61E+00	8.03E-03	3.43E-05	2.71E-01	1.08E-03	4.13E-02	9.81E-03	2.64E+00	
360.3	4250.4	5.95E-03	3.19E-02	2.63E-03	3.40E-01	4.50E-02	2.09E+00	5.21E-03	4.03E-05	4.22E-02	1.05E-03	6.64E-02	5.90E-03	2.64E+00	
359.1	4247.9	2.83E-03	3.98E-02	1.90E-03	4.77E-01	1.38E-02	1.96E+00	6.38E-03	2.54E-05	7.66E-02	9.62E-04	4.95E-02	6.22E-03	2.64E+00	
360.6	4250.6	7.62E-03	3.09E-02	2.63E-03	3.52E-01	4.17E-02	2.08E+00	5.44E-03	4.06E-05	4.14E-02	1.05E-03	6.65E-02	5.94E-03	2.64E+00	
361.2	4250.3	1.52E-02	2.65E-02	3.59E-03	3.96E-01	4.18E-02	2.02E+00	6.38E-03	5.79E-05	5.16E-02	1.31E-03	6.90E-02	6.39E-03	2.64E+00	
362.1	4248.7	1.54E-02	2.26E-02	2.31E-03	5.14E-01	2.66E-02	1.91E+00	9.15E-03	4.11E-05	6.50E-02	9.04E-04	6.75E-02	6.79E-03	2.64E+00	
359.4	4249.6	4.91E-03	3.14E-02	2.24E-03	3.30E-01	3.82E-02	2.11E+00	4.85E-03	3.29E-05	4.82E-02	9.24E-04	6.17E-02	5.56E-03	2.64E+00	
362.1	4246.8	1.95E-02	2.52E-02	2.52E-03	6.17E-01	1.14E-02	1.80E+00	1.09E-02	4.43E-05	9.98E-02	9.84E-04	4.20E-02	6.29E-03	2.64E+00	
362.1	4248.8	1.73E-02	2.13E-02	2.47E-03	5.06E-01	2.85E-02	1.91E+00	8.99E-03	4.39E-05	6.28E-02	9.42E-04	6.79E-02	6.71E-03	2.63E+00	
359.077	4248.504	4.14E-03	3.09E-02	1.62E-03	4.28E-01	2.18E-02	1.99E+00	5.60E-03	2.11E-05	8.53E-02	7.97E-04	5.53E-02	6.36E-03	2.63E+00	
361.3	4250.1	1.84E-02	2.50E-02	3.79E-03	4.15E-01	4.89E-02	1.97E+00	6.94E-03	6.33E-05	5.54E-02	1.36E-03	7.23E-02	6.65E-03	2.62E+00	
359.5	4249.7	4.88E-03	3.12E-02	2.24E-03	3.24E-01	4.09E-02	2.10E+00	4.77E-03	3.30E-05	4.63E-02	9.29E-04	6.24E-02	5.53E-03	2.62E+00	
362	4249.1	1.34E-02	1.95E-02	2.29E-03	4.99E-01	3.55E-02	1.90E+00	9.15E-03	4.19E-05	6.02E-02	8.72E-04	7.15E-02	6.94E-03	2.62E+00	
361.8	4246.5	2.16E-02	2.40E-02	2.65E-03	6.17E-01	1.02E-02	1.76E+00	9.79E-03	4.21E-05	1.17E-01	1.02E-03	4.24E-02	7.21E-03	2.61E+00	
362.1	4248.9	1.66E-02	1.99E-02	2.49E-03	4.98E-01	2.96E-02	1.90E+00	8.74E-03	4.38E-05	6.03E-02	9.37E-04	6.67E-02	6.51E-03	2.61E+00	
361.1	4250.4	1.40E-02	2.84E-02	3.50E-03	3.90E-01	3.84E-02	2.00E+00	6.22E-03	5.59E-05	4.92E-02	1.29E-03	6.60E-02	6.18E-03	2.61E+00	
359.1	4248	2.55E-03	3.63E-02	1.68E-03	4.74E-01	1.50E-02	1.93E+00	7.00E-03	2.48E-05	7.74E-02	8.75E-04	4.92E-02	6.19E-03	2.60E+00	
359.6	4249.8	4.92E-03	3.14E-02	2.29E-03	3.15E-01	4.24E-02	2.08E+00	4.59E-03	3.33E-05	4.49E-02	9.46E-04	6.27E-02	5.51E-03	2.60E+00	
362.2	4248.3	1.27E-02	2.27E-02	2.06E-03	5.44E-01	2.19E-02	1.85E+00	1.06E-02	4.01E-05	7.17E-02	8.40E-04	5.75E-02	6.19E-03	2.60E+00	
360.9	4250.6	1.06E-02	3.00E-02	3.03E-03	3.76E-01	3.70E-02	2.01E+00	6.07E-03	4.89E-05	4.44E-02	1.16E-03	6.44E-02	5.93E-03	2.59E+00	
361	4250.5	1.27E-02	3.02E-02	3.45E-03	3.83E-01	3.74E-02	2.00E+00	6.18E-03	5.55E-05	4.69E-02	1.28E-03	6.34E-02	5.93E-03	2.59E+00	
359.1	4248.1	2.67E-03	3.47E-02	1.65E-03	4.83E-01	1.65E-02	1.89E+00	6.56E-03	2.24E-05	8.49E-02	8.51E-04	5.37E-02	6.70E-03	2.58E+00	
361.6	4249.7	2.48E-02	2.30E-02	3.52E-03	4.03E-01	4.87E-02	1.93E+00	6.68E-03	5.83E-05	5.87E-02	1.26E-03	7.24E-02	6.71E-03	2.58E+00	
359.3	4249.5	4.93E-03	3.16E-02	2.21E-03	3.29E-01	3.40E-02	2.05E+00	4.78E-03	3.22E-05	5.03E-02	9.24E-04	5.89E-02	5.42E-03	2.57E+00	
359.2	4249.3	5.08E-03	3.41E-02	2.24E-03	3.41E-01	3.03E-02	2.03E+00	4.87E-03	3.20E-05	5.92E-02	9.74E-04	5.69E-02	5.47E-03	2.57E+00	
362.2	4248.4	1.74E-02	2.16E-02	2.28E-03	5.25E-01	2.23E-02	1.83E+00	9.81E-03	4.27E-05	6.96E-02	8.95E-04	5.87E-02	6.17E-03	2.57E+00	
361.6	4246.4	2.11E-02	2.39E-02	2.79E-03	6.28E-01	9.01E-03	1.68E+00	9.18E-03	4.07E-05	1.40E-01	1.07E-03	4.03E-02	7.71E-03	2.56E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
361.4	4250	2.05E-02	2.41E-02	3.35E-03	4.12E-01	5.21E-02	1.90E+00	6.79E-03	5.52E-05	5.62E-02	1.22E-03	7.11E-02	6.61E-03	2.56E+00	
361.5	4246.4	2.17E-02	2.39E-02	2.88E-03	6.27E-01	6.58E-03	1.65E+00	9.13E-03	4.20E-05	1.59E-01	1.10E-03	3.95E-02	7.94E-03	2.55E+00	
360.8	4250.6	9.11E-03	2.90E-02	2.68E-03	3.77E-01	3.99E-02	1.97E+00	6.03E-03	4.29E-05	4.38E-02	1.05E-03	6.70E-02	6.09E-03	2.55E+00	
361.7	4246.4	1.86E-02	2.36E-02	2.57E-03	6.18E-01	9.33E-03	1.69E+00	9.32E-03	3.87E-05	1.28E-01	9.95E-04	4.05E-02	7.40E-03	2.55E+00	
362	4247.3	1.10E-02	2.25E-02	2.15E-03	5.45E-01	1.57E-02	1.80E+00	9.65E-03	3.81E-05	8.86E-02	8.49E-04	4.99E-02	6.04E-03	2.55E+00	
362.3	4248	1.51E-02	2.21E-02	2.26E-03	5.61E-01	1.93E-02	1.79E+00	9.60E-03	3.87E-05	6.52E-02	8.94E-04	5.33E-02	5.84E-03	2.55E+00	
360.7	4250.6	8.21E-03	2.94E-02	2.58E-03	3.60E-01	3.89E-02	1.99E+00	5.69E-03	4.08E-05	4.19E-02	1.03E-03	6.33E-02	5.75E-03	2.54E+00	
359.118	4247.685	2.66E-03	4.19E-02	1.86E-03	4.54E-01	1.29E-02	1.89E+00	6.46E-03	2.65E-05	7.57E-02	9.89E-04	4.59E-02	6.15E-03	2.54E+00	
362.1	4246.7	2.13E-02	2.45E-02	2.60E-03	5.91E-01	1.10E-02	1.74E+00	1.04E-02	4.59E-05	9.55E-02	1.01E-03	4.12E-02	6.29E-03	2.54E+00	
362	4246.6	2.01E-02	2.39E-02	2.57E-03	5.87E-01	1.10E-02	1.73E+00	1.01E-02	4.44E-05	9.98E-02	9.90E-04	4.22E-02	6.67E-03	2.54E+00	
359.1	4247.8	2.26E-03	3.95E-02	1.75E-03	4.55E-01	1.31E-02	1.89E+00	6.14E-03	2.36E-05	7.96E-02	9.30E-04	4.64E-02	6.17E-03	2.54E+00	
362.3	4248.1	1.52E-02	2.29E-02	2.27E-03	5.58E-01	1.95E-02	1.79E+00	9.46E-03	3.85E-05	6.57E-02	9.08E-04	5.13E-02	5.71E-03	2.54E+00	
360.4	4250.5	6.12E-03	3.18E-02	2.57E-03	3.24E-01	3.67E-02	2.03E+00	5.06E-03	4.01E-05	3.93E-02	1.04E-03	5.79E-02	5.28E-03	2.54E+00	
361.4	4246.4	2.14E-02	2.36E-02	2.99E-03	6.22E-01	8.00E-03	1.62E+00	9.02E-03	4.34E-05	1.80E-01	1.13E-03	3.87E-02	8.12E-03	2.54E+00	
361.5	4249.9	2.12E-02	2.32E-02	3.00E-03	4.07E-01	5.31E-02	1.88E+00	6.49E-03	4.78E-05	5.72E-02	1.11E-03	7.04E-02	6.58E-03	2.53E+00	
359.7	4249.9	5.04E-03	3.21E-02	2.34E-03	3.07E-01	4.32E-02	2.03E+00	4.43E-03	3.39E-05	4.40E-02	9.62E-04	6.17E-02	5.42E-03	2.53E+00	
362	4247.6	1.05E-02	2.15E-02	1.95E-03	5.07E-01	1.97E-02	1.81E+00	9.39E-03	3.62E-05	8.46E-02	7.85E-04	5.87E-02	6.63E-03	2.53E+00	
361.9	4249.3	1.50E-02	1.99E-02	2.46E-03	4.51E-01	3.74E-02	1.85E+00	8.35E-03	4.55E-05	5.97E-02	9.17E-04	7.32E-02	6.94E-03	2.52E+00	
362.3	4247.9	1.27E-02	2.17E-02	2.11E-03	5.51E-01	1.91E-02	1.78E+00	9.64E-03	3.70E-05	6.67E-02	8.46E-04	5.36E-02	5.89E-03	2.52E+00	
361.9	4246.5	1.95E-02	2.35E-02	2.50E-03	5.85E-01	1.04E-02	1.71E+00	9.50E-03	4.05E-05	1.07E-01	9.66E-04	4.16E-02	6.87E-03	2.52E+00	
360.9	4246.6	8.85E-03	2.31E-02	2.30E-03	6.00E-01	7.32E-03	1.52E+00	7.05E-03	2.70E-05	3.06E-01	9.07E-04	3.83E-02	9.53E-03	2.52E+00	
362.1	4249	1.44E-02	1.89E-02	2.36E-03	4.82E-01	2.95E-02	1.83E+00	8.37E-03	4.11E-05	5.76E-02	8.67E-04	6.35E-02	6.22E-03	2.52E+00	
362.2	4248.5	1.87E-02	2.16E-02	2.36E-03	5.03E-01	2.26E-02	1.79E+00	9.27E-03	4.35E-05	6.72E-02	9.16E-04	5.90E-02	6.18E-03	2.50E+00	
362.1	4247.1	1.21E-02	2.35E-02	2.20E-03	5.70E-01	1.31E-02	1.71E+00	1.03E-02	4.00E-05	1.04E-01	8.74E-04	4.33E-02	5.71E-03	2.50E+00	
361.3	4250.2	1.67E-02	2.43E-02	3.58E-03	3.92E-01	4.29E-02	1.89E+00	6.53E-03	5.96E-05	5.24E-02	1.29E-03	6.67E-02	6.21E-03	2.50E+00	
360.5	4250.6	6.63E-03	3.09E-02	2.53E-03	3.25E-01	3.58E-02	1.99E+00	5.05E-03	3.92E-05	3.86E-02	1.02E-03	5.88E-02	5.34E-03	2.50E+00	
360.2	4250.4	5.62E-03	2.97E-02	2.51E-03	3.13E-01	4.08E-02	1.99E+00	4.75E-03	3.82E-05	3.98E-02	9.87E-04	6.02E-02	5.36E-03	2.49E+00	
361.8	4246.4	1.71E-02	2.31E-02	2.43E-03	5.93E-01	9.54E-03	1.67E+00	9.27E-03	3.80E-05	1.18E-01	9.45E-04	4.01E-02	7.03E-03	2.49E+00	
360.8	4246.6	5.04E-03	2.02E-02	1.78E-03	5.67E-01	7.23E-03	1.45E+00	6.87E-03	2.15E-05	3.87E-01	7.20E-04	3.63E-02	9.36E-03	2.49E+00	
359	4248.6	4.40E-03	3.25E-02	1.71E-03	3.90E-01	2.03E-02	1.89E+00	4.92E-03	2.16E-05	8.18E-02	8.37E-04	5.17E-02	5.95E-03	2.49E+00	
361.3	4246.4	1.99E-02	2.32E-02	2.99E-03	6.12E-01	7.42E-03	1.57E+00	8.60E-03	4.20E-05	1.93E-01	1.12E-03	3.79E-02	8.22E-03	2.48E+00	
360.7	4246.6	4.07E-03	1.73E-02	1.52E-03	5.44E-01	7.18E-03	1.35E+00	6.81E-03	1.90E-05	5.04E-01	6.11E-04	3.52E-02	8.80E-03	2.48E+00	
362.2	4246.8	1.83E-02	2.41E-02	2.42E-03	5.80E-01	1.09E-02	1.89E+00	1.01E-02	4.22E-05	9.22E-02	9.44E-04	3.93E-02	5.81E-03	2.48E+00	
362	4249.2	1.31E-02	1.88E-02	2.26E-03	4.68E-01	3.50E-02	1.80E+00	8.82E-03	4.26E-05	5.78E-02	8.50E-04	6.86E-02	6.68E-03	2.48E+00	
361.8	4249.4	2.08E-02	2.20E-02	3.06E-03	4.22E-01	3.87E-02	1.82E+00	7.45E-03	5.41E-05	5.90E-02	1.11E-03	7.32E-02	6.83E-03	2.47E+00	
359.713	4246.957	8.31E-03	2.27E-02	1.27E-03	5.75E-01	7.10E-03	1.53E+00	5.98E-03	1.32E-05	2.58E-01	6.14E-04	4.56E-02	1.22E-02	2.47E+00	
362.2	4247.7	9.28E-03	2.08E-02	1.84E-03	5.06E-01	1.87E-02	1.76E+00	8.76E-03	3.19E-05	7.45E-02	7.51E-04	5.53E-02	6.09E-03	2.46E+00	
359	4248.4	3.88E-03	2.72E-02	1.51E-03	4.34E-01	1.84E-02	1.84E+00	5.54E-03	1.93E-05	7.69E-02	7.25E-04	4.99E-02	5.79E-03	2.46E+00	
361.1	4246.5	1.13E-02	2.36E-02	2.52E-03	6.20E-01	7.13E-03	1.52E+00	7.99E-03	3.25E-05	2.25E-01	9.79E-04	3.86E-02	8.65E-03	2.46E+00	
359.8	4250	5.22E-03	3.32E-02	2.42E-03	3.03E-01	4.33E-02	1.96E+00	4.38E-03	3.51E-05	4.34E-02	9.94E-04	6.05E-02	5.32E-03	2.46E+00	
361.7	4249.5	2.05E-02	2.33E-02	3.11E-03	4.04E-01	4.24E-02	1.82E+00	6.97E-03	5.37E-05	5.83E-02	1.14E-03	7.32E-02	6.71E-03	2.46E+00	
360.337	4246.747	2.49E-03	1.79E-02	1.13E-03	2.98E-01	7.02E-03	8.96E-01	4.04E-03	1.54E-05	1.18E+00	5.12E-04	3.16E-02	1.45E-02	2.46E+00	
360.6	4246.6	3.59E-03	1.54E-02	1.33E-03	4.99E-01	7.06E-03	1.21E+00	6.35E-03	1.70E-05	6.67E-01	5.37E-04	3.37E-02	7.80E-03	2.45E+00	
362.2	4246.9	1.57E-02	2.38E-02	2.32E-03	5.72E-01	1.13E-02	1.68E+00	1.02E-02	4.14E-05	9.54E-02	9.10E-04	3.92E-02	5.59E-03	2.45E+00	
359.401	4247.387	5.22E-03	3.09E-02	1.68E-03	5.42E-01	9.89E-03	1.72E+00	8.76E-03	2.72E-05	8.12E-02	8.48E-04	4.49E-02	5.64E-03	2.45E+00	
361.6	4249.8	2.30E-02	2.21E-02	3.21E-03	3.89E-01	4.64E-02	1.83E+00	6.30E-03	5.20E-05	5.67E-02	1.17E-03	6.73E-02	6.31E-03	2.45E+00	
362.3	4247.8	9.75E-03	2.15E-02	1.93E-03	5.20E-01	1.87E-02	1.74E+00	8.97E-03	3.33E-05	6.92E-02	7.89E-04	5.27E-02	5.81E-03	2.45E+00	
360.9	4250.7	1.00E-02	2.83E-02	2.84E-03	3.55E-01	3.36E-02	1.90E+00	5.75E-03	4.60E-05	4.17E-02	1.09E-03	6.02E-02	5.56E-03	2.45E+00	
359	4248.3	3.46E-03	2.88E-02	1.58E-03	4.54E-01	1.73E-02	1.81E+00	5.30E-03	1.84E-05	7.54E-02	7.60E-04	4.79E-02	5.59E-03	2.45E+00	
360.7	4250.7	7.96E-03	2.82E-02	2.47E-03	3.43E-01	3.69E-02	1.91E+00	5.42E-03	3.91E-05	3.98E-02	9.84E-04	6.08E-02	5.51E-03	2.44E+00	
362.2	4248.6	1.60E-02	2.17E-02	2.21E-03	4.85E-01	2.23E-02	1.75E+00	8.74E-03	3.98E-05	6.47E-02	8.65E-04	5.90E-02	6.17E-03	2.44E+00	
359	4248.7	4.64E-03	3.32E-02	1.87E-03	3.67E-01	2.11E-02	1.86E+00	4.52E-03	2.30E-05	8.42E-02	8.80E-04	5.24E-02	5.99E-03	2.44E+00	
359.1	4249	4.82E-03	3.54E-02	2.01E-03	3.66E-01	2.60E-02	1.85E+00	5.17E-03	2.84E-05	8.14E-02	9.46E-04	5.38E-02	6.01E-03	2.44E+00	
362.3	4248.2	1.50E-02	2.28E-02	2.24E-03	5.24E-01	1.93E-02	1.72E+00	9.91E-03	4.23E-05	6.64E-02	8.95E-04	5.05E-02	5.63E-03	2.44E+00	
362.1	4246.6	1.69E-02	2.36E-02	2.36E-03	5.63E-01	1.07E-02	1.67E+00	9.80E-03	4.12E-05	9.19E-02	9.24E-04	4.02E-02	6.21E-03	2.43E+00	
360.3	4250.5	5.66E-03	2.97E-02	2.46E-03	3.15E-01	3.91E-02	1.93E+00	4.84E-03	3.78E-05	3.90E-02	9.81E-04	5.96E-02	5.36E-03	2.43E+00	
361.2	4250.4	1.40E-02	2.53E-02	3.34E-03	3.68E-01	3.57E-02	1.86E+00	5.94E-03	5.40E-05	4.80E-02	1.22E-03	6.16E-02	5.80E-03	2.43E+00	
360.8	4250.7	8.76E-03	2.76E-02	2.55E-03	3.57E-01	3.60E-02	1.88E+00	5.71E-03	4.09E-05	4.11E-02	9.99E-04	6.28E-02	5.73E-03	2.43E+00	
362	4247.4	9.72E-03	2.10E-02	1.99E-03	5.03E-01	1.69E-02	1.73E+00	9.20E-03	3.63E-05	8.39E-02	7.85E-04	5.17E-02	6.08E-03	2.43E+00	
361	4250.6	1.19E-02	2.90E-02	3.31E-03	3.60E-01	3.34E-02	1.88E+00	5.83E-03	5.36E-05	4.39E-02	1.23E-03	5.85E-02	5.52E-03	2.43E+00	
360.1	4250.3	5.46E-03	3.03E-02	2.49E-03	3.06E-01	4.11E-02	1.93E+00	4.60E-03	3.73E-05	4.07E-02	9.81E-04	5.89E-02	5.24E-03	2.43E+00	
362	4246.5	1.59E-02	2.30E-02	2.31E-03	5.59E-01	1.04E-02	1.66E+00	9.38E-03	3.87E-05	9.81E-02	9.02E-04	4.05E-02	6.52E-03	2.43E+00	
359.2	4249.4	4.97E-03	3.15E-02	2.24E-03	3.22E-01	2.96E-02	1.92E+00	4.63E-03	3.22E-05	5.35E-02	9.36E-04	5.43E-02	5.16E-03	2.43E+00	
359.274	4247.421	3.81E-03	3.92E-02	1.81E-03	4.56E-01	1.01E-02	1.80E+00	6.70E-03	2.66E-05	6.33E-02	9.75E-04	4.10E-02	4.84E-03	2.42E+00	
360.4	4250.6	5.95E-03	3.00E-02	2.46E-03	3.11E-01	3.72E-02	1.93E+00	4.82E-03	3.81E-05	3.78E-02	9.90E-04	5.71E-02	5.15E-03	2.42E+00	
362.2	4246.7	1.92E-02	2.38E-02	2.46E-03	5.62E-01	1.06E-02	1.66E+00	9.79E-03	4.28E-05	8.83E-02	9.53E-04	3.88E-02	5.84E-03	2.42E+00	
359	4248.8	4.72E-03	3.19E-02	1.96E-03	3.54E-01	2.18E-02	1.85E+00	4.43E-03	2.46E-05	8.35E-02	8.84E-04	5.17E-02	5.86E-03	2.41E+00	
361.991	4248.954	2.81E-03	2.03E-02	2.40E-03	4.06E-01	3.44E-02	1.80E+00	9.39E-03	5.55E-05	5.55E-02	9.07E-04	7.36E-02	6.68E-03	2.41E+00	37
359.9	4250.1	5.30E-03	3.31E-02	2.47E-03	3.00E-01	4.33E-02	1.91E+00	4.39E-03	3.60E-05	4.25E-02	1.00E-03	5.91E-02	5.22E-03	2.41E+00	
361.9	4246.4	1.61E-02	2.27E-02	2.32E-03	5.62E-01	9.70E-03	1.63E+00	8.91E-03	3.68E-05	1.07E-01	9.05E-04	3.95E-02	6.64E-03	2.41E+00	
362.2	4248.7	1.43E-02	2.14E-02	2.15E-03	4.71E-01	2.30E-02	1.74E+00	8.27E-03	3.78E-05	6.23E-02	8.44E-04	5.92E-02	6.09E-03	2.41E+00	
360.6	4250.7	7.13E-03	2.90E-02	2.42E-03	3.23E-01	3.34E-02	1.90E+00	5.05E-03	3.78E-05	3.77E-02	9.77E-04	5.71E-02	5.20E-03	2.40E+00	
361.7	4246.3	1.72E-02	2.28E-02	2.50E-03	5.83E-01	8.67E-03	1.58E+00	8.69E-03	3.73E-05	1.29E-01	9.68E-04	3.81E-02	7.01E-03	2.40E+00	
361.1	4250.5	1.30E-02	2.73E-02	3.31E-03	3.63E-01	3.35E-02	1.84E+00	5.81E-03	5.30E-05	4.58E-02	1.22E-03	5.88E-02	5.59E-03	2.39E+00	
362	4247.5	9.57E-03	2.04E-02	1.91E-03	4.86E-01	1.82E-02	1.70E+00	9.11E-03	3.58E-05	8.25E-02	7.56E-04	5.40E-02	6.26E-03	2.39E+00	
360	4250.2	5.27E-03	3.15E-02	2.42E-03	3.01E-01	4.24E-02	1.90E+00	4.46E-03	3.59E-05	4.15E-02	9.74E-04	5.82E-02	5.17E-03	2.39E+00	
362.2	4248.8	1.62E-02	2.03E-02	2.31E-03	4.60E-01	2.47E-02	1.73E+00	8.10E-03	4.08E-05	6.00E-02	8.86E-04	5.96E-02	6.01E-03	2.39E+00	
361.6	4246.3	1.70E-02	2.28E-02	2.53E-03	5.82E-01	8.33E-03	1.56E+00	8.58E-03	3.73E-05	1.43E-01	9.77E-04	3.75E-02	7.14E-03	2.39E+00	
359.4	4249.7	4.59E-03	2.83E-02	2.07E-03	3.01E-01	3.52E-02	1.90E+00	4.46E-03	3.07E-05	4.40E-02	8.50E-04	5.56E-02	5.03E-03	2.39E+00	
361.3	4250.3	1.51E-02	2.35E-02	3.27E-03	3.70E-01	3.74E-02	1.81E+00	6.14E-03	5.44E-05	4.93E-02	1.19E-03	6.15E-02	5.79E-03	2.38E+00	
359	4248.9	4.67E-03	3.17E-02	1.94E-03	3.47E-01	2.22E-02	1.83E+00	4.49E-03	2.51E-05	8.12E-02	8.78E-04	4.99E-02	5.66E-03	2.38E+00	
359.3	4249.6	4.65E-03	2.86E-02	2.08E-03	3.05E-01	3.23E-02	1.89E+00	4.48E-03	3.05E-05	4.61E-02	8.53E-04	5.47E-02	5.02E-03	2.38E+00	
361.8	4246.3	2.00E-02	2.24E-02	2.58E-03	5.69E-01	8.89E-03	1.58E+00	8.71E-03	3.95E-05	1.18E-01	9.88E-04	3.80E-02	6.79E-03	2.38E+00	
361.5	4246.3	1.82E-02	2.25E-02	2.65E-03	5.78E-01	7.86E-03	1.53E+00	8.47E-03	3.88E-05	1.61E-01	1.01E-03	3.67E-02	7.32E-03	2.37E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
361.4	4250.1	1.99E-02	2.31E-02	3.66E-03	3.88E-01	4.42E-02	1.76E+00	6.50E-03	6.12E-05	5.27E-02	1.31E-03	6.42E-02	6.07E-03	2.37E+00	
359.5	4249.8	4.61E-03	2.88E-02	2.14E-03	2.94E-01	3.67E-02	1.89E+00	4.32E-03	3.14E-05	4.22E-02	8.79E-04	5.61E-02	5.01E-03	2.36E+00	
362.1	4249.1	1.37E-02	1.80E-02	2.34E-03	4.58E-01	2.96E-02	1.71E+00	8.04E-03	4.11E-05	5.50E-02	8.71E-04	6.07E-02	6.02E-03	2.36E+00	
361.7	4249.6	1.93E-02	2.23E-02	2.95E-03	3.82E-01	4.07E-02	1.76E+00	6.51E-03	5.03E-05	5.60E-02	1.08E-03	6.75E-02	6.24E-03	2.36E+00	
362.3	4248.3	1.41E-02	2.13E-02	2.13E-03	4.97E-01	1.92E-02	1.68E+00	9.69E-03	4.15E-05	6.62E-02	8.47E-04	5.15E-02	5.61E-03	2.36E+00	
362.2	4248.9	1.51E-02	1.89E-02	2.25E-03	4.53E-01	2.56E-02	1.72E+00	7.99E-03	3.98E-05	5.74E-02	8.53E-04	5.89E-02	5.85E-03	2.36E+00	
361.5	4250	2.09E-02	2.25E-02	3.10E-03	3.85E-01	4.83E-02	1.75E+00	6.24E-03	5.02E-05	5.38E-02	1.13E-03	6.42E-02	6.09E-03	2.36E+00	
361.2	4246.4	1.56E-02	2.26E-02	2.74E-03	5.88E-01	6.93E-03	1.47E+00	7.89E-03	3.68E-05	1.99E-01	1.04E-03	3.66E-02	7.99E-03	2.36E+00	
359	4248.5	4.02E-03	2.77E-02	1.48E-03	4.01E-01	1.94E-02	1.76E+00	5.36E-03	1.98E-05	7.83E-02	7.24E-04	5.00E-02	5.75E-03	2.36E+00	
362.1	4247.6	9.84E-03	1.99E-02	1.85E-03	4.68E-01	1.81E-02	1.69E+00	8.45E-03	3.34E-05	7.79E-02	7.39E-04	5.43E-02	6.09E-03	2.36E+00	
360.5	4250.7	6.39E-03	2.91E-02	2.39E-03	3.08E-01	3.28E-02	1.86E+00	4.78E-03	3.70E-05	3.64E-02	9.66E-04	5.52E-02	5.04E-03	2.35E+00	
361.4	4246.3	1.91E-02	2.22E-02	2.81E-03	5.73E-01	7.33E-03	1.49E+00	8.18E-03	4.01E-05	1.75E-01	1.05E-03	3.59E-02	7.48E-03	2.34E+00	
362.1	4247.2	1.04E-02	2.15E-02	2.04E-03	5.11E-01	1.38E-02	1.63E+00	9.05E-03	3.61E-05	8.91E-02	8.04E-04	4.39E-02	5.49E-03	2.34E+00	
361.9	4249.4	1.75E-02	1.99E-02	2.70E-03	4.11E-01	3.38E-02	1.71E+00	7.41E-03	4.67E-05	5.62E-02	9.81E-04	6.67E-02	6.35E-03	2.34E+00	
362.3	4248.4	1.65E-02	2.03E-02	2.22E-03	4.81E-01	1.96E-02	1.67E+00	9.06E-03	4.19E-05	6.49E-02	8.64E-04	5.25E-02	5.59E-03	2.34E+00	
362.1	4246.5	1.42E-02	2.26E-02	2.20E-03	5.34E-01	1.03E-02	1.60E+00	9.22E-03	3.80E-05	9.11E-02	8.65E-04	3.89E-02	6.15E-03	2.33E+00	
362.2	4247	1.44E-02	2.27E-02	2.29E-03	5.30E-01	1.17E-02	1.60E+00	9.70E-03	4.19E-05	9.71E-02	8.91E-04	3.90E-02	5.30E-03	2.33E+00	
362	4249.3	1.19E-02	1.81E-02	2.14E-03	4.29E-01	3.28E-02	1.70E+00	8.27E-03	4.13E-05	5.50E-02	8.06E-04	6.46E-02	6.26E-03	2.33E+00	
359.429	4247.221	9.44E-03	1.87E-02	1.41E-03	6.03E-01	7.94E-03	1.45E+00	7.98E-03	1.87E-05	1.79E-01	6.29E-04	4.29E-02	7.08E-03	2.33E+00	
362	4246.4	1.65E-02	2.22E-02	2.30E-03	5.36E-01	9.82E-03	1.59E+00	8.68E-03	3.73E-05	9.77E-02	8.94E-04	3.87E-02	6.34E-03	2.33E+00	
359.3	4247.4	4.08E-03	3.45E-02	1.68E-03	4.49E-01	9.82E-03	1.71E+00	6.98E-03	2.61E-05	6.74E-02	8.85E-04	4.02E-02	4.80E-03	2.33E+00	
362.2	4246.6	1.50E-02	2.32E-02	2.22E-03	5.37E-01	1.02E-02	1.60E+00	9.35E-03	3.87E-05	8.47E-02	8.76E-04	3.81E-02	5.79E-03	2.33E+00	
359.2	4249.2	5.08E-03	3.29E-02	2.10E-03	3.57E-01	3.06E-02	1.76E+00	5.18E-03	3.04E-05	6.66E-02	9.24E-04	5.76E-02	5.73E-03	2.33E+00	
359.938	4246.908	7.49E-03	3.13E-02	1.70E-03	4.45E-01	7.53E-03	1.43E+00	5.02E-03	1.92E-05	3.35E-01	8.31E-04	4.95E-02	9.79E-03	2.32E+00	
359.414	4247.099	1.07E-02	1.57E-02	1.25E-03	6.70E-01	6.95E-03	1.39E+00	7.42E-03	1.38E-05	1.65E-01	5.45E-04	4.17E-02	8.24E-03	2.32E+00	
359.6	4249.9	4.62E-03	2.86E-02	2.13E-03	2.85E-01	3.76E-02	1.85E+00	4.16E-03	3.11E-05	4.10E-02	8.71E-04	5.57E-02	4.94E-03	2.32E+00	
360.4	4250.7	5.82E-03	2.83E-02	2.36E-03	2.99E-01	3.37E-02	1.84E+00	4.58E-03	3.62E-05	3.59E-02	9.47E-04	5.58E-02	5.05E-03	2.31E+00	
360.9	4250.8	9.55E-03	2.69E-02	2.70E-03	3.37E-01	3.10E-02	1.80E+00	5.47E-03	4.38E-05	3.93E-02	1.03E-03	5.66E-02	5.25E-03	2.31E+00	
359	4249	4.53E-03	3.19E-02	1.86E-03	3.32E-01	2.21E-02	1.78E+00	4.54E-03	2.54E-05	7.60E-02	8.64E-04	4.75E-02	5.37E-03	2.31E+00	
361.9	4246.3	1.75E-02	2.20E-02	2.38E-03	5.42E-01	9.05E-03	1.55E+00	8.47E-03	3.73E-05	1.08E-01	9.21E-04	3.75E-02	6.44E-03	2.31E+00	
362.4	4248	1.41E-02	2.07E-02	2.12E-03	5.05E-01	1.75E-02	1.62E+00	8.70E-03	3.65E-05	6.03E-02	8.36E-04	4.76E-02	5.25E-03	2.31E+00	
361.7	4249.7	2.12E-02	2.15E-02	3.20E-03	3.68E-01	3.97E-02	1.72E+00	6.20E-03	5.40E-05	5.43E-02	1.15E-03	6.33E-02	5.93E-03	2.31E+00	
362.4	4248.1	1.32E-02	2.13E-02	2.06E-03	5.08E-01	1.75E-02	1.62E+00	8.52E-03	3.47E-05	5.99E-02	8.26E-04	4.60E-02	5.14E-03	2.30E+00	
362.3	4247.7	8.57E-03	2.02E-02	1.78E-03	4.68E-01	1.75E-02	1.65E+00	8.11E-03	3.08E-05	6.97E-02	7.26E-04	5.11E-02	5.64E-03	2.30E+00	
361.6	4249.9	2.09E-02	2.13E-02	2.93E-03	3.71E-01	4.40E-02	1.71E+00	5.95E-03	4.70E-05	5.39E-02	1.07E-03	6.16E-02	5.86E-03	2.30E+00	
362.4	4247.9	1.30E-02	2.06E-02	2.11E-03	4.97E-01	1.73E-02	1.62E+00	8.62E-03	3.66E-05	6.30E-02	8.33E-04	4.84E-02	5.34E-03	2.30E+00	
362.3	4246.8	1.61E-02	2.27E-02	2.25E-03	5.34E-01	1.04E-02	1.57E+00	9.26E-03	3.91E-05	8.55E-02	8.80E-04	3.64E-02	5.33E-03	2.29E+00	
360.8	4250.8	8.35E-03	2.64E-02	2.41E-03	3.36E-01	3.29E-02	1.78E+00	5.42E-03	3.89E-05	3.88E-02	9.46E-04	5.82E-02	5.33E-03	2.29E+00	
362.3	4248.5	1.78E-02	2.01E-02	2.26E-03	4.64E-01	1.97E-02	1.64E+00	8.55E-03	4.17E-05	6.30E-02	8.69E-04	5.29E-02	5.60E-03	2.29E+00	
359.2	4249.5	4.73E-03	2.90E-02	2.14E-03	3.02E-01	2.86E-02	1.81E+00	4.39E-03	3.11E-05	4.88E-02	8.78E-04	5.14E-02	4.84E-03	2.29E+00	
361	4250.7	1.11E-02	2.77E-02	3.13E-03	3.40E-01	3.01E-02	1.77E+00	5.51E-03	5.07E-05	4.12E-02	1.16E-03	5.44E-02	5.16E-03	2.29E+00	
361.8	4249.5	2.08E-02	2.16E-02	3.12E-03	3.87E-01	3.56E-02	1.68E+00	6.74E-03	5.43E-05	5.53E-02	1.12E-03	6.58E-02	6.17E-03	2.28E+00	
362.3	4246.7	1.72E-02	2.29E-02	2.31E-03	5.29E-01	1.01E-02	1.56E+00	9.09E-03	3.97E-05	8.20E-02	8.99E-04	3.65E-02	5.41E-03	2.28E+00	
362.2	4249	1.46E-02	1.77E-02	2.34E-03	4.40E-01	2.51E-02	1.65E+00	7.75E-03	4.12E-05	5.44E-02	8.67E-04	5.60E-02	5.58E-03	2.28E+00	
359.415	4247.304	7.05E-03	2.27E-02	1.50E-03	5.51E-01	8.78E-03	1.51E+00	8.30E-03	2.25E-05	1.18E-01	7.00E-04	4.22E-02	5.81E-03	2.28E+00	
360.6	4250.8	6.88E-03	2.75E-02	2.30E-03	3.07E-01	3.12E-02	1.79E+00	4.81E-03	3.60E-05	3.58E-02	9.28E-04	5.37E-02	4.91E-03	2.27E+00	
359.1	4249.3	4.62E-03	2.95E-02	1.94E-03	3.07E-01	2.55E-02	1.78E+00	4.44E-03	2.82E-05	5.80E-02	8.49E-04	4.91E-02	4.90E-03	2.27E+00	
359.629	4246.935	9.69E-03	2.05E-02	1.33E-03	5.76E-01	6.72E-03	1.38E+00	6.02E-03	1.39E-05	2.14E-01	6.15E-04	4.38E-02	1.05E-02	2.26E+00	
361.7	4246.2	2.05E-02	2.19E-02	2.69E-03	5.47E-01	8.06E-03	1.48E+00	8.11E-03	3.99E-05	1.31E-01	1.02E-03	3.58E-02	6.59E-03	2.26E+00	
360.7	4250.8	7.50E-03	2.68E-02	2.30E-03	3.19E-01	3.03E-02	1.77E+00	5.10E-03	3.68E-05	3.68E-02	9.22E-04	5.39E-02	4.96E-03	2.26E+00	
359.7	4250	4.82E-03	2.95E-02	2.19E-03	2.79E-01	3.80E-02	1.80E+00	4.06E-03	3.20E-05	4.03E-02	8.96E-04	5.47E-02	4.84E-03	2.25E+00	
360.3	4250.6	5.42E-03	2.78E-02	2.32E-03	2.94E-01	3.46E-02	1.79E+00	4.53E-03	3.57E-05	3.63E-02	9.24E-04	5.44E-02	4.93E-03	2.25E+00	
361.3	4246.3	1.61E-02	2.17E-02	2.64E-03	5.58E-01	6.82E-03	1.42E+00	7.71E-03	3.65E-05	1.80E-01	9.94E-04	3.46E-02	7.34E-03	2.25E+00	
360.5	4250.8	6.28E-03	2.75E-02	2.30E-03	2.97E-01	3.26E-02	1.79E+00	4.59E-03	3.55E-05	3.52E-02	9.24E-04	5.44E-02	4.93E-03	2.25E+00	
362.1	4246.4	1.74E-02	2.18E-02	2.34E-03	5.13E-01	9.80E-03	1.54E+00	8.68E-03	3.96E-05	9.01E-02	9.00E-04	3.76E-02	6.07E-03	2.25E+00	
361.8	4246.2	2.26E-02	2.18E-02	2.73E-03	5.40E-01	8.31E-03	1.49E+00	8.17E-03	4.13E-05	1.17E-01	1.03E-03	3.60E-02	6.40E-03	2.25E+00	
361.6	4246.2	1.68E-02	2.17E-02	2.49E-03	5.44E-01	7.70E-03	1.46E+00	8.03E-03	3.68E-05	1.47E-01	9.52E-04	3.51E-02	6.70E-03	2.24E+00	
361	4246.5	9.71E-03	2.22E-02	2.36E-03	5.46E-01	6.86E-03	1.38E+00	6.78E-03	2.94E-05	2.30E-01	9.16E-04	3.51E-02	7.94E-03	2.24E+00	
362.2	4246.5	1.40E-02	2.23E-02	2.15E-03	5.13E-01	9.92E-03	1.54E+00	8.93E-03	3.75E-05	8.44E-02	8.48E-04	3.72E-02	5.78E-03	2.24E+00	
358.9	4248.6	4.38E-03	2.93E-02	1.59E-03	3.62E-01	1.76E-02	1.70E+00	4.73E-03	2.08E-05	7.33E-02	7.86E-04	4.57E-02	5.26E-03	2.24E+00	
359.4	4247.2	9.46E-03	1.79E-02	1.37E-03	5.76E-01	7.68E-03	1.40E+00	7.58E-03	1.81E-05	1.70E-01	6.09E-04	4.08E-02	7.04E-03	2.24E+00	
362.2	4247.6	9.65E-03	1.92E-02	1.82E-03	4.41E-01	1.70E-02	1.61E+00	7.81E-03	3.22E-05	7.23E-02	7.22E-04	5.11E-02	5.70E-03	2.24E+00	
360.228	4246.692	2.86E-03	2.69E-02	1.35E-03	3.07E-01	6.59E-03	9.93E-01	3.94E-03	1.74E-05	8.52E-01	6.87E-04	3.18E-02	1.18E-02	2.24E+00	
359.036	4247.586	2.36E-03	3.67E-02	1.58E-03	4.02E-01	1.15E-02	1.67E+00	6.29E-03	2.47E-05	6.04E-02	8.65E-04	3.90E-02	4.67E-03	2.24E+00	
362	4246.3	1.84E-02	2.16E-02	2.39E-03	5.17E-01	9.19E-03	1.52E+00	8.19E-03	3.79E-05	9.95E-02	9.18E-04	3.69E-02	6.14E-03	2.24E+00	
362.3	4248.6	1.59E-02	2.02E-02	2.14E-03	4.47E-01	1.94E-02	1.60E+00	8.05E-03	3.85E-05	6.11E-02	8.28E-04	5.29E-02	5.59E-03	2.24E+00	
362.4	4247.8	9.62E-03	2.07E-02	1.91E-03	4.69E-01	1.70E-02	1.59E+00	8.06E-03	3.28E-05	6.52E-02	7.74E-04	4.79E-02	5.30E-03	2.24E+00	
361.3	4250.4	1.40E-02	2.26E-02	3.13E-03	3.47E-01	3.28E-02	1.70E+00	5.75E-03	5.17E-05	4.64E-02	1.14E-03	5.61E-02	5.34E-03	2.23E+00	
361.2	4250.5	1.32E-02	2.42E-02	3.25E-03	3.43E-01	3.08E-02	1.71E+00	5.52E-03	5.24E-05	4.47E-02	1.18E-03	5.52E-02	5.28E-03	2.23E+00	
362.4	4248.2	1.43E-02	2.12E-02	2.09E-03	4.84E-01	1.71E-02	1.57E+00	8.79E-03	3.80E-05	6.05E-02	8.35E-04	4.54E-02	5.11E-03	2.23E+00	
361.1	4250.6	1.21E-02	2.63E-02	3.17E-03	3.39E-01	2.94E-02	1.71E+00	5.45E-03	5.10E-05	4.28E-02	1.17E-03	5.32E-02	5.12E-03	2.23E+00	
360.4	4246.7	2.40E-03	1.51E-02	1.08E-03	2.89E-01	5.84E-03	8.55E-01	3.87E-03	1.45E-05	1.02E+00	4.63E-04	2.70E-02	8.85E-03	2.23E+00	
359.9	4246.9	7.41E-03	2.89E-02	1.60E-03	4.38E-01	7.36E-03	1.39E+00	5.05E-03	1.84E-05	2.93E-01	7.70E-04	4.63E-02	9.21E-03	2.23E+00	
361.4	4250.2	1.78E-02	2.21E-02	3.39E-03	3.66E-01	3.73E-02	1.65E+00	6.17E-03	5.71E-05	4.96E-02	1.22E-03	5.84E-02	5.59E-03	2.22E+00	
360.5	4246.6	3.11E-03	1.42E-02	1.17E-03	4.01E-01	6.79E-03	1.03E+00	5.42E-03	1.58E-05	7.24E-01	4.78E-04	3.02E-02	7.08E-03	2.22E+00	
360.2	4250.5	5.29E-03	2.72E-02	2.29E-03	2.89E-01	3.54E-02	1.76E+00	4.41E-03	3.50E-05	3.67E-02	9.03E-04	5.32E-02	4.81E-03	2.22E+00	
362.1	4249.2	1.34E-02	1.71E-02	2.32E-03	4.27E-01	2.93E-02	1.60E+00	7.85E-03	4.26E-05	5.25E-02	8.53E-04	5.82E-02	5.80E-03	2.22E+00	
360.6	4250.9	6.82E-03	2.65E-02	2.26E-03	2.99E-01	3.07E-02	1.75E+00	4.64E-03	3.51E-05	3.48E-02	9.05E-04	5.44E-02	4.94E-03	2.22E+00	
362.3	4246.6	1.37E-02	2.26E-02	2.11E-03	5.11E-01	9.81E-03	1.53E+00	8.86E-03	3.67E-05	7.87E-02	8.37E-04	3.61E-02	5.37E-03	2.21E+00	
362.3	4248.7	1.30E-02	2.00E-02	1.98E-03	4.35E-01	2.02E-02	1.60E+00	7.56E-03	3.44E-05	5.94E-02	7.77E-04	5.27E-02	5.52E-03	2.21E+00	
361.5	4246.2	1.61E-02	2.13E-02	2.49E-03	5.37E-01	7.25E-03	1.42E+00	7.81E-03	3.63E-05	1.57E-01	9.47E-04	3.42E-02	6.77E-03	2.21E+00	
359.8	4250.1	5.01E-03	3.04E-02	2.26E-03	2.78E-01	3.80E-02	1.75E+00	4.06E-03	3.30E-05	3.99E-02	9.21E-04	5.37E-02	4.77E-03	2.21E+00	
359.036	4247.655	2.19E-03	3.49E-02	1.54E-03	4.06E-01	1.18E-02	1.63E+00	5.95E-03	2.26E-05	6.50E-02	8.26E-04	4.06E-02	5.20E-03	2.21E+00	
361.9	4246.2	1.87E-02	2.14E-02	2.44E-03	5.22E-01	8.47E-03	1.47E+00	8.09E-03	3.78E-05	1.08E-01	9.34E-04	3.57E-02	6.18E-03	2.21E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
361.7	4249.8	1.94E-02	2.06E-02	2.90E-03	3.52E-01	3.82E-02	1.65E+00	5.90E-03	4.88E-05	5.25E-02	1.06E-03	5.89E-02	5.59E-03	2.21E+00	
362.3	4246.9	1.44E-02	2.19E-02	2.19E-03	5.04E-01	1.07E-02	1.51E+00	9.10E-03	3.95E-05	6.71E-02	8.52E-04	3.60E-02	5.04E-03	2.20E+00	
362.1	4247.3	9.11E-03	1.97E-02	1.89E-03	4.63E-01	1.46E-02	1.55E+00	8.20E-03	3.35E-05	7.94E-02	7.42E-04	4.48E-02	5.37E-03	2.20E+00	
358.9	4248.7	4.45E-03	3.06E-02	1.69E-03	3.41E-01	1.83E-02	1.67E+00	4.27E-03	2.11E-05	7.56E-02	8.04E-04	4.66E-02	5.40E-03	2.19E+00	
362.3	4248.8	1.36E-02	1.94E-02	2.03E-03	4.25E-01	2.17E-02	1.59E+00	7.33E-03	3.49E-05	5.76E-02	7.89E-04	5.29E-02	5.44E-03	2.19E+00	
360.1	4250.4	5.20E-03	2.75E-02	2.28E-03	2.83E-01	3.57E-02	1.74E+00	4.27E-03	3.44E-05	3.74E-02	8.98E-04	5.28E-02	4.75E-03	2.19E+00	
360.9	4250.9	8.91E-03	2.54E-02	2.50E-03	3.19E-01	2.86E-02	1.71E+00	5.19E-03	4.07E-05	3.71E-02	9.61E-04	5.33E-02	4.96E-03	2.19E+00	
361.5	4250.1	2.05E-02	2.16E-02	3.33E-03	3.64E-01	4.09E-02	1.62E+00	5.97E-03	5.46E-05	5.06E-02	1.19E-03	5.84E-02	5.63E-03	2.19E+00	
359	4248.2	2.69E-03	2.88E-02	1.45E-03	4.37E-01	1.61E-02	1.57E+00	5.17E-03	1.71E-05	7.31E-02	7.28E-04	4.76E-02	5.72E-03	2.19E+00	
362	4249.4	1.33E-02	1.82E-02	2.30E-03	3.94E-01	2.97E-02	1.60E+00	7.34E-03	4.28E-05	5.24E-02	8.47E-04	6.04E-02	5.85E-03	2.18E+00	
362.1	4246.3	2.05E-02	2.11E-02	2.46E-03	4.97E-01	9.29E-03	1.49E+00	8.10E-03	4.02E-05	9.06E-02	9.34E-04	3.62E-02	5.90E-03	2.18E+00	
362.2	4247.1	1.26E-02	2.10E-02	2.18E-03	4.77E-01	1.22E-02	1.51E+00	8.59E-03	3.93E-05	8.95E-02	8.44E-04	3.90E-02	5.04E-03	2.18E+00	
359.9	4250.2	5.02E-03	3.00E-02	2.25E-03	2.77E-01	3.79E-02	1.72E+00	4.08E-03	3.31E-05	3.92E-02	9.13E-04	5.27E-02	4.71E-03	2.17E+00	
359.8	4246.9	5.96E-03	2.34E-02	1.21E-03	4.56E-01	7.05E-03	1.39E+00	5.15E-03	1.36E-05	2.28E-01	5.99E-04	4.07E-02	9.33E-03	2.17E+00	
359.394	4247.029	9.65E-03	1.42E-02	1.09E-03	6.42E-01	6.48E-03	1.28E+00	7.18E-03	1.22E-05	1.66E-01	4.77E-04	4.00E-02	7.66E-03	2.17E+00	
360.4	4250.8	5.64E-03	2.65E-02	2.23E-03	2.83E-01	3.06E-02	1.73E+00	4.34E-03	3.42E-05	3.39E-02	8.92E-04	5.22E-02	4.75E-03	2.17E+00	
362.2	4246.4	1.60E-02	2.14E-02	2.25E-03	4.92E-01	9.60E-03	1.49E+00	8.54E-03	3.90E-05	8.38E-02	8.68E-04	3.61E-02	5.74E-03	2.17E+00	
359.989	4246.684	4.16E-03	2.62E-02	1.46E-03	3.19E-01	6.40E-03	1.07E+00	3.63E-03	1.66E-05	7.00E-01	7.06E-04	3.30E-02	8.84E-03	2.17E+00	
361.9	4249.5	1.98E-02	1.99E-02	2.93E-03	3.79E-01	3.07E-02	1.59E+00	6.61E-03	5.11E-05	5.29E-02	1.04E-03	6.05E-02	5.81E-03	2.17E+00	
362.4	4248.3	1.44E-02	2.00E-02	2.11E-03	4.57E-01	1.71E-02	1.54E+00	8.77E-03	4.04E-05	6.08E-02	8.28E-04	4.63E-02	5.10E-03	2.17E+00	
359.4	4249.8	4.33E-03	2.62E-02	1.96E-03	2.76E-01	3.20E-02	1.73E+00	4.08E-03	2.91E-05	4.03E-02	8.01E-04	5.03E-02	4.57E-03	2.17E+00	
362.1	4247.5	8.94E-03	1.86E-02	1.79E-03	4.37E-01	1.67E-02	1.55E+00	7.97E-03	3.26E-05	7.44E-02	7.01E-04	4.94E-02	5.69E-03	2.17E+00	
359.1	4249.1	4.79E-03	3.24E-02	1.95E-03	3.43E-01	2.58E-02	1.62E+00	5.00E-03	2.84E-05	7.31E-02	8.91E-04	5.12E-02	5.55E-03	2.17E+00	
359.286	4247.37	4.19E-03	3.07E-02	1.55E-03	4.19E-01	9.35E-03	1.56E+00	6.65E-03	2.46E-05	7.11E-02	8.03E-04	3.77E-02	4.55E-03	2.16E+00	
362.3	4248.9	1.30E-02	1.81E-02	1.97E-03	4.15E-01	2.24E-02	1.57E+00	7.32E-03	3.47E-05	5.52E-02	7.61E-04	5.27E-02	5.32E-03	2.16E+00	
359	4247.9	2.16E-03	2.98E-02	1.43E-03	4.20E-01	1.25E-02	1.57E+00	5.64E-03	1.92E-05	7.04E-02	7.29E-04	4.31E-02	5.55E-03	2.16E+00	
359.7	4246.9	7.15E-03	2.15E-02	1.17E-03	4.93E-01	6.75E-03	1.37E+00	5.24E-03	1.25E-05	2.01E-01	5.74E-04	3.81E-02	9.89E-03	2.16E+00	
361.8	4249.6	1.78E-02	2.10E-02	2.79E-03	3.63E-01	3.37E-02	1.59E+00	6.23E-03	4.80E-05	5.28E-02	1.02E-03	6.02E-02	5.67E-03	2.16E+00	
362.3	4246.5	1.34E-02	2.20E-02	2.08E-03	4.92E-01	9.52E-03	1.49E+00	8.53E-03	3.61E-05	7.90E-02	8.22E-04	3.53E-02	5.40E-03	2.16E+00	
362	4246.2	2.18E-02	2.10E-02	2.58E-03	5.01E-01	8.60E-03	1.45E+00	7.83E-03	4.04E-05	1.00E-01	9.73E-04	3.52E-02	5.96E-03	2.16E+00	
361.1	4246.4	9.87E-03	2.15E-02	2.30E-03	5.32E-01	6.57E-03	1.33E+00	6.85E-03	2.96E-05	1.99E-01	8.90E-04	3.38E-02	7.34E-03	2.16E+00	
361.6	4250	1.96E-02	2.06E-02	2.79E-03	3.53E-01	4.09E-02	1.60E+00	5.66E-03	4.48E-05	5.10E-02	1.02E-03	5.66E-02	5.46E-03	2.15E+00	
359.1	4249.4	4.59E-03	2.84E-02	2.02E-03	2.92E-01	2.50E-02	1.69E+00	4.23E-03	2.92E-05	5.24E-02	8.51E-04	4.72E-02	4.63E-03	2.15E+00	
361	4250.8	1.04E-02	2.64E-02	2.91E-03	3.22E-01	2.76E-02	1.66E+00	5.24E-03	4.74E-05	3.89E-02	1.09E-03	5.12E-02	4.87E-03	2.15E+00	
360.7	4250.9	7.22E-03	2.56E-02	2.20E-03	3.03E-01	2.85E-02	1.69E+00	4.86E-03	3.52E-05	3.50E-02	8.82E-04	5.11E-02	4.72E-03	2.15E+00	
360.5	4250.9	6.12E-03	2.60E-02	2.21E-03	2.86E-01	2.99E-02	1.70E+00	4.39E-03	3.39E-05	3.36E-02	8.83E-04	5.26E-02	4.78E-03	2.15E+00	
361.4	4246.2	1.69E-02	2.09E-02	2.60E-03	5.25E-01	6.76E-03	1.36E+00	7.41E-03	3.67E-05	1.63E-01	9.75E-04	3.32E-02	6.77E-03	2.15E+00	
362.1	4247.4	8.75E-03	1.88E-02	1.82E-03	4.38E-01	1.55E-02	1.53E+00	7.87E-03	3.27E-05	7.47E-02	7.12E-04	4.66E-02	5.45E-03	2.15E+00	
358.9	4248.8	4.59E-03	2.94E-02	1.80E-03	3.23E-01	1.89E-02	1.64E+00	4.05E-03	2.26E-05	7.72E-02	8.14E-04	4.59E-02	5.28E-03	2.15E+00	
359.005	4247.521	2.32E-03	3.61E-02	1.52E-03	4.00E-01	1.07E-02	1.59E+00	5.96E-03	2.26E-05	5.34E-02	8.49E-04	3.66E-02	4.25E-03	2.15E+00	
362.4	4248.4	1.42E-02	1.91E-02	2.06E-03	4.41E-01	1.74E-02	1.53E+00	8.36E-03	3.90E-05	6.01E-02	8.01E-04	4.71E-02	5.08E-03	2.14E+00	
359.2	4249.6	4.46E-03	2.67E-02	2.00E-03	2.82E-01	2.75E-02	1.69E+00	4.13E-03	2.94E-05	4.46E-02	8.13E-04	4.63E-02	4.55E-03	2.14E+00	
359.5	4249.9	4.30E-03	2.63E-02	1.98E-03	2.67E-01	3.28E-02	1.70E+00	3.93E-03	2.91E-05	3.86E-02	8.10E-04	5.04E-02	4.53E-03	2.13E+00	
362.4	4247.7	8.19E-03	1.97E-02	1.74E-03	4.30E-01	1.64E-02	1.53E+00	7.45E-03	3.01E-05	6.50E-02	7.11E-04	4.69E-02	5.19E-03	2.13E+00	
361.8	4246.1	2.00E-02	2.10E-02	2.59E-03	5.10E-01	7.76E-03	1.40E+00	7.63E-03	3.87E-05	1.20E-01	9.79E-04	3.40E-02	6.03E-03	2.13E+00	
360.9	4246.5	7.72E-03	2.02E-02	2.04E-03	4.90E-01	6.71E-03	1.29E+00	6.06E-03	2.53E-05	2.63E-01	7.99E-04	3.22E-02	7.56E-03	2.12E+00	
362.4	4246.7	1.36E-02	2.17E-02	2.06E-03	4.93E-01	9.66E-03	1.46E+00	8.42E-03	3.52E-05	7.64E-02	8.11E-04	3.40E-02	4.99E-03	2.12E+00	
362.2	4249.1	1.36E-02	1.67E-02	2.35E-03	4.16E-01	2.46E-02	1.53E+00	7.34E-03	4.14E-05	5.13E-02	8.57E-04	5.24E-02	5.30E-03	2.12E+00	
361.7	4246.1	1.92E-02	2.09E-02	2.60E-03	5.11E-01	7.49E-03	1.38E+00	7.58E-03	3.85E-05	1.32E-01	9.80E-04	3.36E-02	6.17E-03	2.12E+00	
358.9	4248.4	3.36E-03	2.23E-02	1.27E-03	3.95E-01	1.62E-02	1.56E+00	5.10E-03	1.65E-05	6.94E-02	6.03E-04	4.29E-02	5.08E-03	2.12E+00	
360.8	4250.9	7.77E-03	2.49E-02	2.23E-03	3.12E-01	2.85E-02	1.65E+00	5.09E-03	3.64E-05	3.60E-02	8.81E-04	5.13E-02	4.77E-03	2.12E+00	
360.3	4250.7	5.22E-03	2.62E-02	2.20E-03	2.77E-01	3.08E-02	1.68E+00	4.25E-03	3.39E-05	3.40E-02	8.75E-04	5.00E-02	4.57E-03	2.11E+00	
362.4	4248.5	1.56E-02	1.89E-02	2.09E-03	4.29E-01	1.72E-02	1.51E+00	7.96E-03	3.87E-05	5.87E-02	8.03E-04	4.76E-02	5.10E-03	2.11E+00	
361.4	4250.3	1.58E-02	2.11E-02	3.06E-03	3.46E-01	3.25E-02	1.58E+00	5.84E-03	5.21E-05	4.69E-02	1.11E-03	5.37E-02	5.20E-03	2.11E+00	
360.6	4251	6.58E-03	2.50E-02	2.16E-03	2.85E-01	2.81E-02	1.67E+00	4.41E-03	3.35E-05	3.30E-02	8.63E-04	5.08E-02	4.63E-03	2.11E+00	
361.6	4246.1	1.80E-02	2.06E-02	2.54E-03	5.07E-01	7.12E-03	1.36E+00	7.41E-03	3.72E-05	1.42E-01	9.57E-04	3.28E-02	6.28E-03	2.10E+00	
359	4247.6	1.94E-03	3.03E-02	1.42E-03	4.00E-01	1.18E-02	1.54E+00	5.43E-03	1.92E-05	6.85E-02	7.33E-04	4.03E-02	5.41E-03	2.10E+00	
362.3	4247.6	8.39E-03	1.82E-02	1.68E-03	4.18E-01	1.61E-02	1.51E+00	7.29E-03	2.94E-05	6.71E-02	6.74E-04	4.80E-02	5.35E-03	2.10E+00	
360	4250.3	4.99E-03	2.82E-02	2.18E-03	2.78E-01	3.68E-02	1.65E+00	4.15E-03	3.26E-05	3.83E-02	8.78E-04	5.17E-02	4.67E-03	2.10E+00	
361.2	4246.3	1.20E-02	2.10E-02	2.40E-03	5.22E-01	6.39E-03	1.31E+00	6.99E-03	3.22E-05	1.80E-01	9.14E-04	3.29E-02	6.91E-03	2.10E+00	
361.9	4246.1	1.87E-02	2.08E-02	2.43E-03	5.01E-01	7.93E-03	1.40E+00	7.59E-03	3.68E-05	1.08E-01	9.27E-04	3.39E-02	5.87E-03	2.10E+00	
362.5	4248	1.26E-02	1.94E-02	1.94E-03	4.57E-01	1.59E-02	1.48E+00	7.94E-03	3.36E-05	5.69E-02	7.68E-04	4.28E-02	4.75E-03	2.10E+00	
359	4248	2.27E-03	2.87E-02	1.39E-03	4.21E-01	1.36E-02	1.51E+00	6.16E-03	2.04E-05	6.68E-02	7.09E-04	4.25E-02	5.30E-03	2.10E+00	
362.2	4246.3	1.70E-02	2.06E-02	2.26E-03	4.76E-01	9.22E-03	1.44E+00	8.04E-03	3.82E-05	8.35E-02	8.66E-04	3.50E-02	5.62E-03	2.10E+00	
362.5	4247.9	1.24E-02	1.95E-02	2.02E-03	4.50E-01	1.57E-02	1.48E+00	7.78E-03	3.49E-05	5.97E-02	7.97E-04	4.37E-02	4.85E-03	2.10E+00	
358.9	4248.9	4.53E-03	2.77E-02	1.80E-03	3.16E-01	1.91E-02	1.60E+00	4.02E-03	2.30E-05	7.56E-02	7.93E-04	4.43E-02	5.07E-03	2.10E+00	
362.1	4246.2	2.17E-02	2.05E-02	2.55E-03	4.81E-01	8.73E-03	1.42E+00	7.58E-03	4.02E-05	9.24E-02	9.58E-04	3.47E-02	5.69E-03	2.10E+00	
362.1	4249.3	1.14E-02	1.66E-02	2.09E-03	3.95E-01	2.80E-02	1.52E+00	7.54E-03	4.00E-05	4.99E-02	7.77E-04	5.55E-02	5.51E-03	2.09E+00	
362.4	4246.6	1.20E-02	2.17E-02	1.97E-03	4.83E-01	9.40E-03	1.44E+00	8.24E-03	3.36E-05	7.33E-02	7.85E-04	3.40E-02	4.99E-03	2.09E+00	
362.5	4248.1	1.20E-02	1.98E-02	1.91E-03	4.62E-01	1.56E-02	1.47E+00	7.79E-03	3.23E-05	5.55E-02	7.65E-04	4.15E-02	4.67E-03	2.09E+00	
358.9	4248	2.63E-03	3.17E-02	1.54E-03	3.85E-01	1.24E-02	1.55E+00	5.51E-03	2.21E-05	6.28E-02	7.85E-04	3.92E-02	4.81E-03	2.09E+00	
360.8	4246.5	4.98E-03	1.76E-02	1.63E-03	4.68E-01	6.62E-03	1.22E+00	5.97E-03	2.08E-05	3.26E-01	6.48E-04	3.08E-02	7.26E-03	2.09E+00	
362.4	4246.8	1.36E-02	2.11E-02	2.06E-03	4.81E-01	9.90E-03	1.44E+00	8.45E-03	3.63E-05	7.88E-02	8.07E-04	3.36E-02	4.85E-03	2.09E+00	
362.3	4246.4	1.34E-02	2.11E-02	2.08E-03	4.73E-01	9.25E-03	1.44E+00	8.16E-03	3.57E-05	7.89E-02	8.08E-04	3.45E-02	5.40E-03	2.09E+00	
359.175	4247.367	3.63E-03	3.63E-02	1.66E-03	3.62E-01	9.19E-03	1.56E+00	5.43E-03	2.48E-05	6.48E-02	8.97E-04	3.46E-02	4.11E-03	2.08E+00	
362.3	4249	1.37E-02	1.69E-02	2.15E-03	4.05E-01	2.18E-02	1.51E+00	7.20E-03	3.82E-05	5.24E-02	7.99E-04	5.04E-02	5.09E-03	2.08E+00	
361.3	4250.5	1.31E-02	2.18E-02	3.02E-03	3.26E-01	2.85E-02	1.59E+00	5.37E-03	4.97E-05	4.36E-02	1.09E-03	5.11E-02	4.93E-03	2.08E+00	
361.8	4249.7	1.68E-02	2.03E-02	2.69E-03	3.43E-01	3.27E-02	1.55E+00	5.91E-03	4.63E-05	5.09E-02	9.88E-04	5.63E-02	5.33E-03	2.08E+00	
361.1	4250.7	1.12E-02	2.53E-02	2.99E-03	3.18E-01	2.63E-02	1.60E+00	5.14E-03	4.82E-05	4.02E-02	1.10E-03	4.86E-02	4.72E-03	2.08E+00	
359.946	4246.797	5.30E-03	2.88E-02	1.54E-03	3.68E-01	6.90E-03	1.20E+00	4.15E-03	1.73E-05	4.16E-01	7.56E-04	3.94E-02	8.32E-03	2.08E+00	
360.7	4251	7.04E-03	2.46E-02	2.14E-03	2.92E-01	2.78E-02	1.63E+00	4.64E-03	3.40E-05	3.37E-02	8.53E-04	5.00E-02	4.59E-03	2.08E+00	
359	4247.6	2.19E-03	3.28E-02	1.45E-03	3.84E-01	1.12E-02	1.54E+00	5.94E-03	2.24E-05	5.93E-02	7.82E-04	3.76E-02	4.56E-03	2.08E+00	
359.6	4250	4.41E-03	2.64E-02	2.00E-03	2.60E-01	3.34E-02	1.65E+00	3.82E-03	2.95E-05	3.77E-02	8.16E-04	4.96E-02	4.44E-03	2.08E+00	
361.7	4249.9	1.81E-02	1.96E-02	2.67E-03	3.35E-01	3.58E-02	1.55E+00	5.53E-03	4.41E-05	5.02E-02	9.81E-04	5.41E-02	5.21E-03	2.07E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359	4247.7	2.01E-03	3.26E-02	1.46E-03	3.95E-01	1.15E-02	1.52E+00	5.48E-03	2.03E-05	6.30E-02	7.77E-04	3.93E-02	5.18E-03	2.07E+00	
359	4249.1	4.48E-03	2.96E-02	1.79E-03	3.12E-01	2.19E-02	1.58E+00	4.46E-03	2.56E-05	6.86E-02	8.20E-04	4.51E-02	5.03E-03	2.07E+00	
360.744	4246.5	4.40E-03	1.62E-02	1.49E-03	4.80E-01	6.59E-03	1.17E+00	5.95E-03	1.93E-05	3.65E-01	5.91E-04	3.03E-02	6.97E-03	2.07E+00	
361.2	4250.6	1.25E-02	2.33E-02	3.15E-03	3.20E-01	2.68E-02	1.58E+00	5.16E-03	5.08E-05	4.16E-02	1.14E-03	4.96E-02	4.83E-03	2.07E+00	
362.4	4248.6	1.54E-02	1.88E-02	2.05E-03	4.14E-01	1.71E-02	1.48E+00	7.55E-03	3.73E-05	5.72E-02	7.87E-04	4.76E-02	5.10E-03	2.06E+00	
362	4246.1	2.11E-02	2.04E-02	2.53E-03	4.84E-01	8.05E-03	1.38E+00	7.44E-03	3.89E-05	9.91E-02	9.52E-04	3.36E-02	5.69E-03	2.06E+00	
361.5	4246.1	1.62E-02	2.02E-02	2.48E-03	4.98E-01	6.69E-03	1.31E+00	7.08E-03	3.53E-05	1.48E-01	9.32E-04	3.19E-02	6.28E-03	2.05E+00	
362.4	4246.5	1.17E-02	2.14E-02	1.94E-03	4.67E-01	9.13E-03	1.42E+00	8.00E-03	3.32E-05	7.38E-02	7.72E-04	3.35E-02	5.05E-03	2.05E+00	
360.7	4246.5	4.09E-03	1.52E-02	1.40E-03	4.52E-01	6.57E-03	1.13E+00	5.87E-03	1.82E-05	3.95E-01	5.54E-04	3.00E-02	6.69E-03	2.05E+00	
360.5	4251	5.96E-03	2.45E-02	2.13E-03	2.72E-01	2.74E-02	1.63E+00	4.18E-03	3.27E-05	3.19E-02	8.46E-04	4.91E-02	4.48E-03	2.05E+00	
362.2	4247.2	9.89E-03	1.93E-02	1.95E-03	4.31E-01	1.28E-02	1.44E+00	7.59E-03	3.43E-05	7.80E-02	7.56E-04	3.96E-02	4.87E-03	2.05E+00	
359	4248.1	2.42E-03	2.62E-02	1.33E-03	4.21E-01	1.49E-02	1.46E+00	5.84E-03	1.85E-05	6.96E-02	6.64E-04	4.53E-02	5.76E-03	2.05E+00	
362.5	4248.2	1.22E-02	1.96E-02	1.87E-03	4.49E-01	1.52E-02	1.44E+00	7.91E-03	3.29E-05	5.56E-02	7.50E-04	4.13E-02	4.67E-03	2.05E+00	
362.5	4247.8	9.61E-03	1.98E-02	1.90E-03	4.26E-01	1.55E-02	1.46E+00	7.30E-03	3.26E-05	6.10E-02	7.63E-04	4.36E-02	4.85E-03	2.05E+00	
360.296	4246.694	2.60E-03	2.01E-02	1.18E-03	3.12E-01	6.71E-03	9.32E-01	4.20E-03	1.59E-05	7.27E-01	5.53E-04	3.08E-02	1.06E-02	2.05E+00	
362.3	4247	1.20E-02	2.05E-02	2.07E-03	4.50E-01	1.10E-02	1.41E+00	8.23E-03	3.77E-05	8.64E-02	8.02E-04	3.53E-02	4.71E-03	2.05E+00	
358.9	4247.9	2.30E-03	2.94E-02	1.45E-03	3.81E-01	1.14E-02	1.51E+00	5.05E-03	1.93E-05	6.52E-02	7.29E-04	3.94E-02	5.10E-03	2.05E+00	
361.3	4246.2	1.60E-02	2.04E-02	2.62E-03	5.03E-01	6.30E-03	1.29E+00	6.90E-03	3.60E-05	1.64E-01	9.75E-04	3.18E-02	6.58E-03	2.05E+00	
362	4249.5	1.69E-02	1.83E-02	2.65E-03	3.65E-01	2.68E-02	1.50E+00	6.46E-03	4.70E-05	4.99E-02	9.45E-04	5.59E-02	5.45E-03	2.04E+00	
358.935	4247.516	2.36E-03	3.34E-02	1.47E-03	3.73E-01	1.02E-02	1.53E+00	5.63E-03	2.22E-05	5.16E-02	7.98E-04	3.44E-02	3.99E-03	2.04E+00	
362.2	4247.5	8.65E-03	1.76E-02	1.72E-03	4.04E-01	1.55E-02	1.47E+00	7.17E-03	3.05E-05	6.84E-02	6.73E-04	4.64E-02	5.28E-03	2.04E+00	
358.9	4249	4.29E-03	2.79E-02	1.69E-03	3.02E-01	1.90E-02	1.56E+00	4.02E-03	2.24E-05	7.13E-02	7.71E-04	4.20E-02	4.84E-03	2.04E+00	
361	4250.9	9.69E-03	2.50E-02	2.73E-03	3.05E-01	2.54E-02	1.58E+00	4.98E-03	4.45E-05	3.67E-02	1.02E-03	4.84E-02	4.62E-03	2.04E+00	
362.4	4248.7	1.23E-02	1.87E-02	1.86E-03	4.02E-01	1.78E-02	1.47E+00	7.08E-03	3.27E-05	5.60E-02	7.28E-04	4.73E-02	5.03E-03	2.04E+00	
359.1	4249.5	4.44E-03	2.64E-02	2.00E-03	2.76E-01	2.42E-02	1.60E+00	4.03E-03	2.92E-05	4.77E-02	8.17E-04	4.49E-02	4.36E-03	2.04E+00	
360.4	4250.9	5.44E-03	2.48E-02	2.10E-03	2.68E-01	2.80E-02	1.62E+00	4.13E-03	3.23E-05	3.22E-02	8.39E-04	4.88E-02	4.46E-03	2.04E+00	
359.625	4246.88	8.69E-03	1.99E-02	1.25E-03	4.92E-01	6.45E-03	1.26E+00	5.26E-03	1.33E-05	1.91E-01	5.82E-04	3.72E-02	9.24E-03	2.04E+00	
358.9	4247.8	2.17E-03	3.04E-02	1.48E-03	3.62E-01	1.07E-02	1.52E+00	4.87E-03	2.00E-05	6.08E-02	7.46E-04	3.68E-02	4.89E-03	2.03E+00	
362.2	4246.2	1.87E-02	2.00E-02	2.33E-03	4.62E-01	8.78E-03	1.39E+00	7.50E-03	3.77E-05	8.54E-02	8.80E-04	3.39E-02	5.43E-03	2.03E+00	
359.7	4250.1	4.62E-03	2.72E-02	2.03E-03	2.57E-01	3.35E-02	1.61E+00	3.79E-03	3.00E-05	3.73E-02	8.30E-04	4.89E-02	4.37E-03	2.03E+00	
358.9	4248.5	3.78E-03	2.41E-02	1.33E-03	3.75E-01	1.69E-02	1.48E+00	5.09E-03	1.80E-05	7.11E-02	6.38E-04	4.42E-02	5.15E-03	2.03E+00	
361.9	4249.6	1.85E-02	1.97E-02	2.81E-03	3.52E-01	2.86E-02	1.49E+00	6.09E-03	4.85E-05	5.04E-02	1.01E-03	5.51E-02	5.31E-03	2.03E+00	
360.9	4251	8.26E-03	2.37E-02	2.31E-03	3.01E-01	2.66E-02	1.57E+00	4.88E-03	3.74E-05	3.51E-02	8.89E-04	4.95E-02	4.63E-03	2.03E+00	
361.5	4250.2	1.87E-02	2.05E-02	3.22E-03	3.43E-01	3.41E-02	1.49E+00	5.71E-03	5.36E-05	4.75E-02	1.15E-03	5.27E-02	5.16E-03	2.03E+00	
362.4	4248.8	1.11E-02	1.84E-02	1.78E-03	3.95E-01	1.92E-02	1.47E+00	6.71E-03	3.02E-05	5.47E-02	7.04E-04	4.73E-02	4.95E-03	2.03E+00	
359.3	4247.1	9.39E-03	1.54E-02	1.21E-03	5.39E-01	6.72E-03	1.27E+00	6.62E-03	1.48E-05	1.30E-01	5.31E-04	3.56E-02	6.74E-03	2.02E+00	
362.3	4246.3	1.47E-02	2.02E-02	2.11E-03	4.55E-01	8.98E-03	1.40E+00	7.84E-03	3.63E-05	7.77E-02	8.13E-04	3.36E-02	5.33E-03	2.02E+00	
361.6	4250.1	1.91E-02	2.00E-02	2.83E-03	3.35E-01	3.64E-02	1.49E+00	5.42E-03	4.57E-05	4.82E-02	1.03E-03	5.20E-02	5.10E-03	2.01E+00	
358.925	4247.459	2.33E-03	3.40E-02	1.46E-03	3.72E-01	9.78E-03	1.50E+00	5.21E-03	2.04E-05	5.30E-02	8.07E-04	3.32E-02	3.88E-03	2.01E+00	
362.1	4246.1	1.97E-02	1.99E-02	2.42E-03	4.65E-01	8.18E-03	1.36E+00	7.20E-03	3.74E-05	9.26E-02	9.12E-04	3.32E-02	5.49E-03	2.01E+00	
361.4	4250.4	1.48E-02	2.04E-02	3.04E-03	3.28E-01	2.89E-02	1.51E+00	5.52E-03	5.12E-05	4.45E-02	1.09E-03	4.98E-02	4.67E-03	2.01E+00	
358.9	4248.3	2.85E-03	2.23E-02	1.24E-03	4.09E-01	1.53E-02	1.44E+00	4.74E-03	1.44E-05	6.68E-02	5.93E-04	4.16E-02	5.00E-03	2.01E+00	
361.8	4246	1.82E-02	2.01E-02	2.48E-03	4.80E-01	7.25E-03	1.31E+00	7.08E-03	3.66E-05	1.21E-01	9.37E-04	3.21E-02	5.73E-03	2.01E+00	
362.5	4248.3	1.22E-02	1.87E-02	1.86E-03	4.24E-01	1.54E-02	1.42E+00	7.98E-03	3.49E-05	5.59E-02	7.37E-04	4.19E-02	4.67E-03	2.00E+00	
358.9	4248.1	2.57E-03	2.67E-02	1.37E-03	3.77E-01	1.35E-02	1.47E+00	5.29E-03	1.93E-05	6.01E-02	6.80E-04	4.01E-02	5.01E-03	2.00E+00	
362.4	4246.4	1.17E-02	2.06E-02	1.93E-03	4.51E-01	8.87E-03	1.39E+00	7.74E-03	3.31E-05	7.40E-02	7.62E-04	3.28E-02	5.08E-03	2.00E+00	
362.4	4248.9	1.25E-02	1.75E-02	1.87E-03	3.87E-01	1.98E-02	1.45E+00	6.58E-03	3.18E-05	5.29E-02	7.24E-04	4.73E-02	4.86E-03	2.00E+00	
358.9	4247.5	2.52E-03	3.31E-02	1.50E-03	3.63E-01	9.90E-03	1.49E+00	5.45E-03	2.24E-05	5.09E-02	7.98E-04	3.33E-02	3.88E-03	2.00E+00	
361.8	4249.8	1.57E-02	1.94E-02	2.54E-03	3.25E-01	3.14E-02	1.49E+00	5.61E-03	4.39E-05	4.69E-02	9.39E-04	5.24E-02	5.02E-03	2.00E+00	
359.375	4246.96	8.31E-03	1.30E-02	9.58E-04	5.96E-01	6.07E-03	1.17E+00	6.63E-03	1.10E-05	1.51E-01	4.22E-04	3.76E-02	7.14E-03	2.00E+00	
359.8	4250.2	4.75E-03	2.78E-02	2.06E-03	2.57E-01	3.35E-02	1.58E+00	3.79E-03	3.05E-05	3.70E-02	8.43E-04	4.80E-02	4.32E-03	2.00E+00	
362.4	4247.6	7.76E-03	1.78E-02	1.62E-03	3.95E-01	1.53E-02	1.44E+00	6.82E-03	2.80E-05	6.27E-02	6.52E-04	4.49E-02	5.00E-03	1.99E+00	
361.9	4246	1.87E-02	2.01E-02	2.43E-03	4.75E-01	7.45E-03	1.31E+00	7.04E-03	3.60E-05	1.10E-01	9.21E-04	3.22E-02	5.56E-03	1.99E+00	
361.7	4246	1.58E-02	1.98E-02	2.35E-03	4.79E-01	6.96E-03	1.29E+00	7.05E-03	3.46E-05	1.28E-01	8.92E-04	3.15E-02	5.77E-03	1.99E+00	
360.8	4251	7.36E-03	2.35E-02	2.11E-03	2.94E-01	2.55E-02	1.55E+00	4.78E-03	3.43E-05	3.38E-02	8.32E-04	4.71E-02	4.41E-03	1.99E+00	
358.8	4248.7	4.25E-03	2.77E-02	1.53E-03	3.16E-01	1.60E-02	1.51E+00	4.08E-03	1.97E-05	6.78E-02	7.26E-04	4.13E-02	4.76E-03	1.99E+00	
362.2	4247.3	8.64E-03	1.80E-02	1.81E-03	4.02E-01	1.35E-02	1.42E+00	7.03E-03	3.16E-05	7.10E-02	7.00E-04	4.07E-02	4.84E-03	1.99E+00	
359.9	4246.8	5.23E-03	2.70E-02	1.42E-03	3.65E-01	6.80E-03	1.19E+00	4.23E-03	1.65E-05	3.41E-01	6.98E-04	3.74E-02	7.79E-03	1.99E+00	
360.2	4250.6	5.00E-03	2.51E-02	2.12E-03	2.68E-01	3.11E-02	1.56E+00	4.13E-03	3.26E-05	3.41E-02	8.37E-04	4.79E-02	4.39E-03	1.98E+00	
362.2	4249.2	1.22E-02	1.58E-02	2.20E-03	3.87E-01	2.44E-02	1.43E+00	6.96E-03	3.94E-05	4.84E-02	8.02E-04	4.98E-02	5.06E-03	1.98E+00	
359.2	4249.7	4.29E-03	2.45E-02	1.94E-03	2.62E-01	2.61E-02	1.57E+00	3.87E-03	2.86E-05	4.09E-02	7.69E-04	4.48E-02	4.21E-03	1.98E+00	
359.3	4247	8.76E-03	1.39E-02	1.04E-03	5.76E-01	6.12E-03	1.19E+00	6.43E-03	1.16E-05	1.33E-01	4.59E-04	3.54E-02	6.56E-03	1.97E+00	
362.1	4249.4	1.05E-02	1.65E-02	2.00E-03	3.65E-01	2.57E-02	1.44E+00	6.93E-03	3.79E-05	4.77E-02	7.44E-04	5.30E-02	5.23E-03	1.97E+00	
362.5	4248.4	1.17E-02	1.81E-02	1.84E-03	4.07E-01	1.55E-02	1.41E+00	7.77E-03	3.50E-05	5.54E-02	7.21E-04	4.25E-02	4.63E-03	1.97E+00	
362.048	4247.285	1.77E-03	2.10E-02	2.01E-03	3.83E-01	1.47E-02	1.41E+00	8.78E-03	4.60E-05	7.98E-02	7.84E-04	4.61E-02	5.25E-03	1.97E+00	36
358.9	4247.7	2.36E-03	3.29E-02	1.58E-03	3.58E-01	1.04E-02	1.46E+00	4.90E-03	2.16E-05	5.66E-02	8.02E-04	3.58E-02	4.64E-03	1.97E+00	
360.3	4250.8	5.02E-03	2.44E-02	2.06E-03	2.61E-01	2.78E-02	1.56E+00	4.02E-03	3.18E-05	3.20E-02	8.21E-04	4.64E-02	4.27E-03	1.97E+00	
362.5	4247.7	7.98E-03	1.91E-02	1.71E-03	3.96E-01	1.52E-02	1.41E+00	6.84E-03	2.96E-05	6.04E-02	6.97E-04	4.31E-02	4.79E-03	1.97E+00	
359.4	4249.9	4.03E-03	2.38E-02	1.81E-03	2.52E-01	2.88E-02	1.57E+00	3.73E-03	2.68E-05	3.69E-02	7.36E-04	4.56E-02	4.16E-03	1.97E+00	
361.4	4246.1	1.47E-02	1.98E-02	2.40E-03	4.81E-01	6.25E-03	1.25E+00	6.70E-03	3.34E-05	1.49E-01	9.00E-04	3.07E-02	6.12E-03	1.97E+00	
362	4246	1.87E-02	1.98E-02	2.37E-03	4.64E-01	7.57E-03	1.31E+00	6.99E-03	3.57E-05	1.00E-01	8.98E-04	3.20E-02	5.39E-03	1.96E+00	
362.5	4246.6	1.25E-02	2.07E-02	1.94E-03	4.52E-01	8.98E-03	1.35E+00	7.59E-03	3.27E-05	6.84E-02	7.67E-04	3.18E-02	4.63E-03	1.96E+00	
362.4	4246.9	1.17E-02	1.99E-02	1.96E-03	4.38E-01	1.01E-02	1.36E+00	7.95E-03	3.56E-05	7.94E-02	7.65E-04	3.28E-02	4.53E-03	1.96E+00	
362.3	4246.2	1.58E-02	1.95E-02	2.14E-03	4.42E-01	8.67E-03	1.35E+00	7.44E-03	3.60E-05	7.63E-02	8.17E-04	3.28E-02	5.19E-03	1.96E+00	
359.3	4247.3	5.32E-03	2.36E-02	1.38E-03	4.20E-01	8.47E-03	1.36E+00	6.59E-03	2.17E-05	9.20E-02	6.74E-04	3.53E-02	4.68E-03	1.96E+00	
362.5	4246.7	1.11E-02	2.03E-02	1.87E-03	4.52E-01	9.18E-03	1.35E+00	7.74E-03	3.20E-05	7.12E-02	7.41E-04	3.16E-02	4.58E-03	1.96E+00	
361.6	4246	1.53E-02	1.95E-02	2.35E-03	4.73E-01	6.60E-03	1.26E+00	6.82E-03	3.39E-05	1.34E-01	8.86E-04	3.07E-02	5.80E-03	1.96E+00	
361.1	4250.8	1.05E-02	2.44E-02	2.82E-03	3.00E-01	2.39E-02	1.50E+00	4.87E-03	4.58E-05	3.79E-02	1.04E-03	4.51E-02	4.42E-03	1.96E+00	
362.2	4246.1	1.55E-02	1.94E-02	2.13E-03	4.48E-01	8.31E-03	1.33E+00	7.01E-03	3.34E-05	8.68E-02	8.16E-04	3.27E-02	5.26E-03	1.96E+00	
362.3	4249.1	1.30E-02	1.58E-02	2.22E-03	3.86E-01	2.10E-02	1.40E+00	6.95E-03	4.01E-05	4.93E-02	8.10E-04	4.70E-02	4.81E-03	1.95E+00	
359.9	4250.3	4.74E-03	2.71E-02	2.05E-03	2.56E-01	3.31E-02	1.53E+00	3.81E-03	3.05E-05	3.63E-02	8.28E-04	4.68E-02	4.25E-03	1.95E+00	
361.7	4250	1.81E-02	1.89E-02	2.64E-03	3.19E-01	3.34E-02	1.45E+00	5.20E-03	4.31E-05	4.79E-02	9.65E-04	4.97E-02	4.86E-03	1.95E+00	
362.5	4248.5	1.31E-02	1.79E-02	1.92E-03	3.96E-01	1.53E-02	1.39E+00	7.46E-03	3.61E-05	5.44E-02	7.41E-04	4.31E-02	4.65E-03	1.94E+00	
362.4	4246.3	1.22E-02	1.98E-02	1.93E-03	4.34E-01	8.63E-03	1.35E+00	7.50E-03	3.33E-05	7.24E-02	7.54E-04	3.21E-02	5.03E-03	1.94E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
362.2	4247.4	8.04E-03	1.70E-02	1.70E-03	3.92E-01	1.43E-02	1.38E+00	6.88E-03	2.97E-05	6.77E-02	6.58E-04	4.27E-02	4.96E-03	1.94E+00	
361.3	4250.6	1.23E-02	2.10E-02	2.90E-03	3.06E-01	2.50E-02	1.47E+00	5.01E-03	4.74E-05	4.10E-02	1.04E-03	4.64E-02	4.55E-03	1.94E+00	
358.8	4248.6	4.00E-03	2.47E-02	1.35E-03	3.37E-01	1.54E-02	1.44E+00	4.56E-03	1.83E-05	6.59E-02	6.50E-04	4.05E-02	4.71E-03	1.94E+00	
362.4	4249	1.25E-02	1.63E-02	1.91E-03	3.78E-01	1.93E-02	1.40E+00	6.54E-03	3.31E-05	5.07E-02	7.24E-04	4.58E-02	4.69E-03	1.94E+00	
360.6	4246.5	3.57E-03	1.37E-02	1.23E-03	4.16E-01	6.46E-03	1.04E+00	5.44E-03	1.61E-05	4.19E-01	4.90E-04	2.86E-02	6.01E-03	1.94E+00	
361	4246.4	6.54E-03	1.97E-02	1.91E-03	4.58E-01	6.32E-03	1.20E+00	5.78E-03	2.41E-05	2.05E-01	7.52E-04	3.02E-02	6.51E-03	1.94E+00	
362.5	4246.5	1.16E-02	2.06E-02	1.88E-03	4.40E-01	8.75E-03	1.34E+00	7.44E-03	3.18E-05	6.88E-02	7.46E-04	3.17E-02	4.69E-03	1.94E+00	
358.8	4248.3	2.85E-03	2.23E-02	1.24E-03	3.76E-01	1.37E-02	1.41E+00	4.32E-03	1.43E-05	5.96E-02	5.94E-04	3.77E-02	4.59E-03	1.94E+00	
358.8	4248.8	4.45E-03	2.74E-02	1.65E-03	2.97E-01	1.65E-02	1.47E+00	3.76E-03	2.10E-05	6.96E-02	7.52E-04	4.11E-02	4.75E-03	1.93E+00	
360.4	4251	5.30E-03	2.32E-02	2.02E-03	2.55E-01	2.57E-02	1.54E+00	3.91E-03	3.09E-05	3.06E-02	7.99E-04	4.54E-02	4.18E-03	1.93E+00	
359.3	4247.2	7.48E-03	1.85E-02	1.28E-03	4.55E-01	7.47E-03	1.26E+00	6.57E-03	1.85E-05	1.27E-01	5.88E-04	3.53E-02	5.74E-03	1.93E+00	
361.9	4249.7	1.62E-02	1.92E-02	2.59E-03	3.28E-01	2.73E-02	1.42E+00	5.70E-03	4.49E-05	4.82E-02	9.40E-04	5.09E-02	4.91E-03	1.92E+00	
359.1	4249.6	4.27E-03	2.44E-02	1.93E-03	2.60E-01	2.34E-02	1.52E+00	3.82E-03	2.85E-05	4.35E-02	7.72E-04	4.27E-02	4.11E-03	1.92E+00	
362.1	4246	1.59E-02	1.94E-02	2.19E-03	4.49E-01	7.69E-03	1.29E+00	6.87E-03	3.36E-05	9.23E-02	8.37E-04	3.17E-02	5.25E-03	1.92E+00	
359.5	4250	4.04E-03	2.40E-02	1.83E-03	2.44E-01	2.94E-02	1.53E+00	3.61E-03	2.71E-05	3.56E-02	7.45E-04	4.52E-02	4.10E-03	1.92E+00	
358.9	4247.6	2.49E-03	3.16E-02	1.50E-03	3.48E-01	1.02E-02	1.43E+00	5.32E-03	2.30E-05	5.50E-02	7.73E-04	3.45E-02	4.15E-03	1.92E+00	
361.2	4250.7	1.17E-02	2.25E-02	3.00E-03	3.00E-01	2.37E-02	1.46E+00	4.84E-03	4.84E-05	3.93E-02	1.08E-03	4.50E-02	4.43E-03	1.92E+00	
358.9	4249.1	4.20E-03	2.68E-02	1.65E-03	2.85E-01	1.88E-02	1.47E+00	3.96E-03	2.30E-05	6.52E-02	7.50E-04	3.99E-02	4.56E-03	1.92E+00	
361	4251	9.00E-03	2.35E-02	2.53E-03	2.90E-01	2.35E-02	1.48E+00	4.70E-03	4.10E-05	3.48E-02	9.47E-04	4.55E-02	4.36E-03	1.92E+00	
359	4249.4	4.19E-03	2.56E-02	1.78E-03	2.66E-01	2.13E-02	1.50E+00	3.86E-03	2.59E-05	5.10E-02	7.62E-04	4.13E-02	4.20E-03	1.92E+00	
360.1	4250.5	4.86E-03	2.48E-02	2.05E-03	2.61E-01	3.12E-02	1.50E+00	3.98E-03	3.12E-05	3.45E-02	8.09E-04	4.67E-02	4.28E-03	1.92E+00	
362	4249.6	1.71E-02	1.81E-02	2.64E-03	3.39E-01	2.48E-02	1.40E+00	5.90E-03	4.60E-05	4.76E-02	9.38E-04	5.10E-02	5.01E-03	1.91E+00	
361.4	4250.5	1.38E-02	1.98E-02	2.97E-03	3.11E-01	2.57E-02	1.44E+00	5.21E-03	4.99E-05	4.22E-02	1.06E-03	4.62E-02	4.57E-03	1.91E+00	
362.3	4247.5	8.01E-03	1.65E-02	1.62E-03	3.80E-01	1.47E-02	1.37E+00	6.59E-03	2.81E-05	6.38E-02	6.33E-04	4.38E-02	4.96E-03	1.91E+00	
359.1	4249.2	4.64E-03	2.85E-02	1.84E-03	3.11E-01	2.56E-02	1.41E+00	4.69E-03	2.77E-05	6.38E-02	8.10E-04	4.75E-02	4.98E-03	1.91E+00	
361.5	4250.3	1.74E-02	1.95E-02	3.21E-03	3.25E-01	2.92E-02	1.41E+00	5.45E-03	5.37E-05	4.49E-02	1.13E-03	4.81E-02	4.78E-03	1.90E+00	
362.3	4247.1	1.12E-02	1.88E-02	2.03E-03	4.02E-01	1.14E-02	1.33E+00	7.15E-03	3.61E-05	7.87E-02	7.75E-04	3.52E-02	4.47E-03	1.90E+00	
362.5	4246.4	1.27E-02	2.01E-02	1.94E-03	4.26E-01	8.51E-03	1.32E+00	7.30E-03	3.32E-05	6.94E-02	7.58E-04	3.12E-02	4.76E-03	1.90E+00	
362.5	4248.6	1.36E-02	1.77E-02	1.89E-03	3.83E-01	1.51E-02	1.36E+00	7.08E-03	3.49E-05	5.32E-02	7.27E-04	4.31E-02	4.65E-03	1.90E+00	
358.9	4247.4	2.37E-03	3.35E-02	1.43E-03	3.44E-01	9.20E-03	1.41E+00	4.60E-03	1.91E-05	5.69E-02	7.96E-04	3.11E-02	3.66E-03	1.90E+00	
358.8	4248	3.12E-03	2.98E-02	1.60E-03	3.55E-01	1.14E-02	1.39E+00	5.06E-03	2.28E-05	6.02E-02	7.72E-04	3.55E-02	4.47E-03	1.90E+00	
362.3	4246.1	1.34E-02	1.89E-02	1.98E-03	4.30E-01	8.32E-03	1.30E+00	6.93E-03	3.20E-05	8.02E-02	7.63E-04	3.18E-02	5.00E-03	1.90E+00	
361.5	4246	1.60E-02	1.92E-02	2.46E-03	4.59E-01	6.20E-03	1.21E+00	6.45E-03	3.46E-05	1.36E-01	9.15E-04	2.97E-02	5.78E-03	1.89E+00	
359.199	4247.309	4.73E-03	2.79E-02	1.53E-03	3.51E-01	8.46E-03	1.38E+00	5.54E-03	2.41E-05	7.68E-02	7.60E-04	3.26E-02	4.09E-03	1.89E+00	
361.1	4246.3	8.52E-03	1.96E-02	2.08E-03	4.57E-01	6.08E-03	1.18E+00	5.97E-03	2.72E-05	1.78E-01	8.02E-04	2.97E-02	6.19E-03	1.89E+00	
362.5	4246.8	1.09E-02	1.93E-02	1.85E-03	4.27E-01	9.37E-03	1.30E+00	7.59E-03	3.28E-05	7.29E-02	7.26E-04	3.09E-02	4.40E-03	1.89E+00	
362.5	4247.6	7.41E-03	1.74E-02	1.58E-03	3.73E-01	1.45E-02	1.36E+00	6.39E-03	2.71E-05	5.90E-02	6.38E-04	4.19E-02	4.68E-03	1.89E+00	
361.2	4246.2	1.30E-02	1.94E-02	2.41E-03	4.61E-01	5.94E-03	1.18E+00	6.17E-03	3.23E-05	1.61E-01	9.01E-04	2.95E-02	6.05E-03	1.89E+00	
360	4250.4	4.75E-03	2.55E-02	2.02E-03	2.57E-01	3.20E-02	1.47E+00	3.86E-03	3.03E-05	3.53E-02	8.05E-04	4.63E-02	4.23E-03	1.89E+00	
362.4	4246.2	1.29E-02	1.90E-02	1.94E-03	4.21E-01	8.40E-03	1.30E+00	7.22E-03	3.33E-05	7.21E-02	7.50E-04	3.14E-02	4.92E-03	1.88E+00	
361.8	4249.9	1.56E-02	1.84E-02	2.49E-03	3.07E-01	2.98E-02	1.40E+00	5.24E-03	4.25E-05	4.68E-02	9.13E-04	4.82E-02	4.68E-03	1.88E+00	
361.8	4245.9	1.37E-02	1.91E-02	2.16E-03	4.49E-01	6.78E-03	1.23E+00	6.63E-03	3.19E-05	1.17E-01	8.26E-04	3.02E-02	5.37E-03	1.88E+00	
362.2	4246	1.45E-02	1.88E-02	2.07E-03	4.32E-01	7.82E-03	1.27E+00	6.64E-03	3.18E-05	8.65E-02	7.92E-04	3.13E-02	5.09E-03	1.88E+00	
362.5	4248.7	1.28E-02	1.75E-02	1.84E-03	3.70E-01	1.58E-02	1.35E+00	6.68E-03	3.32E-05	5.22E-02	7.11E-04	4.27E-02	4.61E-03	1.88E+00	
358.8	4248.9	4.31E-03	2.48E-02	1.60E-03	2.88E-01	1.86E-02	1.42E+00	3.64E-03	2.03E-05	6.94E-02	7.06E-04	3.98E-02	4.61E-03	1.88E+00	
361.6	4250.2	1.78E-02	1.91E-02	2.77E-03	3.19E-01	3.15E-02	1.38E+00	5.20E-03	4.52E-05	4.55E-02	1.00E-03	4.76E-02	4.73E-03	1.87E+00	
361.9	4245.9	1.35E-02	1.93E-02	2.11E-03	4.46E-01	7.00E-03	1.23E+00	6.58E-03	3.12E-05	1.10E-01	8.14E-04	3.05E-02	5.27E-03	1.87E+00	
362.5	4248.8	1.10E-02	1.73E-02	1.74E-03	3.64E-01	1.71E-02	1.35E+00	6.28E-03	3.00E-05	5.14E-02	6.81E-04	4.25E-02	4.54E-03	1.87E+00	
359.9	4246.7	3.96E-03	2.53E-02	1.31E-03	3.15E-01	6.32E-03	1.04E+00	3.65E-03	1.52E-05	4.37E-01	6.50E-04	3.17E-02	7.18E-03	1.87E+00	
362.2	4249.3	1.09E-02	1.52E-02	2.05E-03	3.61E-01	2.37E-02	1.35E+00	6.62E-03	3.76E-05	4.57E-02	7.49E-04	4.74E-02	4.82E-03	1.87E+00	
361.7	4245.9	1.25E-02	1.88E-02	2.10E-03	4.49E-01	6.48E-03	1.21E+00	6.56E-03	3.07E-05	1.21E-01	8.04E-04	2.96E-02	5.39E-03	1.87E+00	
358.8	4248.2	2.82E-03	2.61E-02	1.38E-03	3.50E-01	1.30E-02	1.37E+00	4.35E-03	1.71E-05	5.65E-02	6.74E-04	3.76E-02	4.73E-03	1.86E+00	
359.8	4246.8	4.21E-03	2.17E-02	1.07E-03	3.63E-01	6.53E-03	1.17E+00	4.35E-03	1.28E-05	2.46E-01	5.42E-04	3.43E-02	6.96E-03	1.86E+00	
362.1	4249.5	1.26E-02	1.66E-02	2.24E-03	3.39E-01	2.34E-02	1.36E+00	6.26E-03	4.14E-05	4.57E-02	8.09E-04	5.00E-02	4.94E-03	1.86E+00	
362	4245.9	1.34E-02	1.91E-02	2.06E-03	4.40E-01	7.15E-03	1.23E+00	6.54E-03	3.06E-05	1.02E-01	7.96E-04	3.04E-02	5.13E-03	1.86E+00	
362.5	4246.3	1.21E-02	1.94E-02	1.90E-03	4.13E-01	8.28E-03	1.29E+00	7.11E-03	3.26E-05	6.82E-02	7.39E-04	3.06E-02	4.74E-03	1.86E+00	
360.3	4250.9	4.86E-03	2.30E-02	1.96E-03	2.47E-01	2.53E-02	1.47E+00	3.80E-03	3.02E-05	3.03E-02	7.78E-04	4.34E-02	4.01E-03	1.86E+00	
358.8	4247.9	2.74E-03	2.83E-02	1.51E-03	3.48E-01	1.05E-02	1.36E+00	4.67E-03	2.03E-05	5.79E-02	7.28E-04	3.57E-02	4.67E-03	1.86E+00	
358.8	4248.4	3.10E-03	1.95E-02	1.15E-03	3.66E-01	1.43E-02	1.34E+00	4.66E-03	1.47E-05	6.18E-02	5.36E-04	3.77E-02	4.55E-03	1.86E+00	
362.5	4248.9	1.06E-02	1.68E-02	1.68E-03	3.60E-01	1.77E-02	1.34E+00	6.05E-03	2.83E-05	5.02E-02	6.62E-04	4.26E-02	4.46E-03	1.85E+00	
359.6	4250.1	4.19E-03	2.40E-02	1.83E-03	2.39E-01	2.97E-02	1.47E+00	3.56E-03	2.72E-05	3.49E-02	7.43E-04	4.42E-02	4.01E-03	1.85E+00	
361.3	4246.1	1.47E-02	1.91E-02	2.48E-03	4.52E-01	5.86E-03	1.17E+00	6.25E-03	3.42E-05	1.46E-01	9.16E-04	2.90E-02	5.83E-03	1.85E+00	
361.1	4250.9	9.80E-03	2.34E-02	2.69E-03	2.85E-01	2.18E-02	1.42E+00	4.63E-03	4.37E-05	3.58E-02	9.92E-04	4.23E-02	4.16E-03	1.85E+00	
360.017	4246.59	2.93E-03	2.44E-02	1.21E-03	2.83E-01	5.99E-03	9.77E-01	3.37E-03	1.44E-05	5.15E-01	6.20E-04	2.84E-02	6.83E-03	1.85E+00	
359.362	4246.873	6.56E-03	1.17E-02	8.05E-04	5.38E-01	5.66E-03	1.08E+00	6.21E-03	9.31E-06	1.53E-01	3.61E-04	3.42E-02	7.06E-03	1.85E+00	
362.4	4247.5	7.61E-03	1.61E-02	1.57E-03	3.62E-01	1.40E-02	1.33E+00	6.16E-03	2.66E-05	6.05E-02	6.14E-04	4.17E-02	4.70E-03	1.84E+00	
358.9	4248.2	2.52E-03	2.39E-02	1.25E-03	3.87E-01	1.45E-02	1.30E+00	4.69E-03	1.52E-05	6.25E-02	6.16E-04	4.16E-02	5.17E-03	1.84E+00	
358.8	4247.8	2.71E-03	2.83E-02	1.58E-03	3.29E-01	9.82E-03	1.37E+00	4.48E-03	2.15E-05	5.21E-02	7.37E-04	3.33E-02	4.37E-03	1.83E+00	
358.8	4248.1	2.83E-03	2.55E-02	1.39E-03	3.40E-01	1.23E-02	1.35E+00	4.89E-03	2.01E-05	5.64E-02	6.69E-04	3.53E-02	4.39E-03	1.83E+00	
362.1	4245.9	1.25E-02	1.88E-02	1.98E-03	4.30E-01	7.25E-03	1.23E+00	6.51E-03	2.99E-05	9.28E-02	7.65E-04	3.02E-02	4.98E-03	1.83E+00	
358.94	4247.341	2.74E-03	3.57E-02	1.51E-03	3.05E-01	6.73E-03	1.38E+00	4.31E-03	2.13E-05	6.10E-02	8.47E-04	2.99E-02	3.51E-03	1.83E+00	
361.7	4250.1	1.73E-02	1.83E-02	2.54E-03	3.04E-01	3.11E-02	1.36E+00	4.94E-03	4.12E-05	4.56E-02	9.25E-04	4.58E-02	4.55E-03	1.83E+00	
361.9	4249.8	1.47E-02	1.84E-02	2.43E-03	3.07E-01	2.61E-02	1.36E+00	5.32E-03	4.20E-05	4.61E-02	8.91E-04	4.71E-02	4.58E-03	1.83E+00	
362.4	4249.1	1.22E-02	1.52E-02	2.01E-03	3.64E-01	1.85E-02	1.31E+00	6.45E-03	3.56E-05	4.82E-02	7.39E-04	4.31E-02	4.47E-03	1.83E+00	
358.8	4247.4	2.60E-03	3.17E-02	1.47E-03	3.26E-01	8.81E-03	1.36E+00	4.45E-03	1.99E-05	5.41E-02	7.76E-04	2.92E-02	3.44E-03	1.83E+00	
358.7	4248.4	3.28E-03	2.01E-02	1.23E-03	3.43E-01	1.28E-02	1.35E+00	4.27E-03	1.53E-05	5.49E-02	5.64E-04	3.43E-02	4.16E-03	1.83E+00	
362.4	4246.1	1.26E-02	1.83E-02	1.92E-03	4.10E-01	8.16E-03	1.26E+00	6.85E-03	3.21E-05	7.38E-02	7.37E-04	3.06E-02	4.76E-03	1.83E+00	
360.2	4250.7	4.76E-03	2.35E-02	1.99E-03	2.51E-01	2.73E-02	1.43E+00	3.87E-03	3.07E-05	3.18E-02	7.84E-04	4.36E-02	4.04E-03	1.83E+00	
362.3	4246	1.19E-02	1.83E-02	1.89E-03	4.16E-01	7.92E-03	1.25E+00	6.48E-03	2.94E-05	8.12E-02	7.28E-04	3.08E-02	4.87E-03	1.83E+00	
359.2	4249.8	4.03E-03	2.24E-02	1.76E-03	2.42E-01	2.45E-02	1.44E+00	3.60E-03	2.63E-05	3.75E-02	7.02E-04	4.11E-02	3.86E-03	1.82E+00	
361.6	4245.9	1.25E-02	1.86E-02	2.14E-03	4.41E-01	6.13E-03	1.18E+00	6.26E-03	3.04E-05	1.24E-01	8.10E-04	2.88E-02	5.39E-03	1.82E+00	
359	4249.5	4.14E-03	2.40E-02	1.84E-03	2.53E-01	2.07E-02	1.42E+00	3.70E-03	2.68E-05	4.66E-02	7.54E-04	3.95E-02	3.95E-03	1.82E+00	
360.9	4246.4	5.57E-03	1.75E-02	1.69E-03	4.13E-01	6.17E-03	1.11E+00	5.28E-03	2.16E-05	2.28E-01	6.63E-04	2.78E-02	6.07E-03	1.82E+00	
362.3	4247.2	9.31E-03	1.73E-02	1.85E-03	3.71E-01	1.19E-02	1.29E+00	6.46E-03	3.22E-05	6.95E-02	7.06E-04	3.59E-02	4.38E-03	1.82E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359	4249.3	4.24E-03	2.49E-02	1.68E-03	2.77E-01	2.17E-02	1.38E+00	4.05E-03	2.46E-05	5.59E-02	7.30E-04	4.21E-02	4.42E-03	1.82E+00	
361.5	4250.4	1.60E-02	1.87E-02	3.11E-03	3.10E-01	2.55E-02	1.34E+00	5.21E-03	5.23E-05	4.27E-02	1.09E-03	4.45E-02	4.47E-03	1.81E+00	
358.8	4249	4.11E-03	2.40E-02	1.53E-03	2.76E-01	1.65E-02	1.38E+00	3.58E-03	1.99E-05	6.69E-02	6.82E-04	3.77E-02	4.38E-03	1.81E+00	
359.3	4246.9	7.46E-03	1.24E-02	8.97E-04	5.34E-01	5.62E-03	1.07E+00	6.20E-03	1.04E-05	1.33E-01	3.98E-04	3.33E-02	6.38E-03	1.81E+00	
362.5	4246.2	1.25E-02	1.86E-02	1.90E-03	4.00E-01	8.07E-03	1.26E+00	6.89E-03	3.27E-05	6.73E-02	7.32E-04	2.99E-02	4.66E-03	1.81E+00	
358.8	4247.7	2.95E-03	3.00E-02	1.68E-03	3.27E-01	9.43E-03	1.34E+00	4.49E-03	2.31E-05	5.18E-02	7.79E-04	3.26E-02	4.15E-03	1.81E+00	
361.4	4250.6	1.26E-02	1.91E-02	2.78E-03	2.94E-01	2.30E-02	1.36E+00	4.90E-03	4.64E-05	4.00E-02	9.95E-04	4.28E-02	4.27E-03	1.81E+00	
362.3	4249.2	1.09E-02	1.48E-02	2.00E-03	3.60E-01	2.07E-02	1.30E+00	6.57E-03	3.65E-05	4.62E-02	7.32E-04	4.39E-02	4.55E-03	1.81E+00	
361.3	4250.7	1.15E-02	2.02E-02	2.74E-03	2.87E-01	2.21E-02	1.37E+00	4.69E-03	4.48E-05	3.86E-02	9.90E-04	4.23E-02	4.20E-03	1.81E+00	
362.4	4247	1.02E-02	1.84E-02	1.87E-03	3.85E-01	1.04E-02	1.26E+00	6.95E-03	3.38E-05	7.77E-02	7.24E-04	3.20E-02	4.22E-03	1.81E+00	
362.5	4249	1.05E-02	1.59E-02	1.67E-03	3.51E-01	1.73E-02	1.30E+00	5.95E-03	2.83E-05	4.85E-02	6.48E-04	4.18E-02	4.33E-03	1.80E+00	
361.2	4250.8	1.09E-02	2.18E-02	2.85E-03	2.82E-01	2.12E-02	1.37E+00	4.57E-03	4.60E-05	3.70E-02	1.03E-03	4.12E-02	4.11E-03	1.80E+00	
361.4	4246	1.50E-02	1.87E-02	2.42E-03	4.38E-01	5.81E-03	1.14E+00	6.09E-03	3.37E-05	1.33E-01	8.94E-04	2.84E-02	5.55E-03	1.80E+00	
359.7	4246.8	5.12E-03	1.97E-02	1.02E-03	3.78E-01	6.28E-03	1.14E+00	4.39E-03	1.19E-05	2.07E-01	5.10E-04	3.11E-02	6.73E-03	1.80E+00	
358.7	4248.3	3.16E-03	2.23E-02	1.33E-03	3.47E-01	1.23E-02	1.31E+00	3.97E-03	1.53E-05	5.37E-02	6.15E-04	3.43E-02	4.29E-03	1.80E+00	
359.1	4249.7	4.07E-03	2.25E-02	1.81E-03	2.43E-01	2.26E-02	1.42E+00	3.59E-03	2.68E-05	3.97E-02	7.17E-04	4.01E-02	3.84E-03	1.80E+00	
362.3	4247.3	7.93E-03	1.63E-02	1.68E-03	3.57E-01	1.26E-02	1.29E+00	6.14E-03	2.89E-05	6.47E-02	6.45E-04	3.75E-02	4.42E-03	1.80E+00	
362.2	4245.9	1.21E-02	1.82E-02	1.92E-03	4.16E-01	7.37E-03	1.21E+00	6.39E-03	2.95E-05	8.58E-02	7.41E-04	2.99E-02	4.86E-03	1.80E+00	
358.8	4247.5	3.11E-03	2.90E-02	1.54E-03	3.30E-01	9.20E-03	1.33E+00	5.07E-03	2.37E-05	4.90E-02	7.47E-04	3.04E-02	3.58E-03	1.79E+00	
362	4249.7	1.59E-02	1.78E-02	2.51E-03	3.14E-01	2.33E-02	1.32E+00	5.42E-03	4.33E-05	4.55E-02	8.98E-04	4.65E-02	4.57E-03	1.79E+00	
359.7	4250.2	4.40E-03	2.49E-02	1.86E-03	2.38E-01	2.98E-02	1.41E+00	3.56E-03	2.78E-05	3.47E-02	7.60E-04	4.35E-02	3.96E-03	1.79E+00	
362.3	4247.4	7.51E-03	1.57E-02	1.59E-03	3.60E-01	1.35E-02	1.28E+00	6.18E-03	2.73E-05	6.28E-02	6.13E-04	3.98E-02	4.61E-03	1.79E+00	
359.4	4250	3.78E-03	2.19E-02	1.68E-03	2.31E-01	2.61E-02	1.42E+00	3.42E-03	2.49E-05	3.41E-02	6.81E-04	4.13E-02	3.80E-03	1.79E+00	
359.9	4246.6	2.71E-03	2.36E-02	1.12E-03	2.80E-01	5.90E-03	9.33E-01	3.32E-03	1.33E-05	4.98E-01	5.85E-04	2.79E-02	6.41E-03	1.78E+00	
362.5	4247.5	7.17E-03	1.57E-02	1.52E-03	3.47E-01	1.34E-02	1.28E+00	5.83E-03	2.55E-05	5.76E-02	5.97E-04	3.96E-02	4.46E-03	1.77E+00	
361.8	4250	1.68E-02	1.76E-02	2.61E-03	2.91E-01	2.78E-02	1.31E+00	4.89E-03	4.39E-05	4.48E-02	9.41E-04	4.44E-02	4.39E-03	1.77E+00	
359.198	4247.104	8.09E-03	1.64E-02	1.20E-03	4.31E-01	6.61E-03	1.15E+00	5.79E-03	1.61E-05	1.12E-01	5.40E-04	3.13E-02	5.62E-03	1.77E+00	
362.4	4246	1.05E-02	1.77E-02	1.76E-03	3.99E-01	7.88E-03	1.21E+00	6.46E-03	2.85E-05	7.57E-02	6.85E-04	2.99E-02	4.62E-03	1.77E+00	
361.8	4245.8	1.10E-02	1.81E-02	1.94E-03	4.23E-01	6.34E-03	1.16E+00	6.28E-03	2.88E-05	1.11E-01	7.48E-04	2.84E-02	5.02E-03	1.77E+00	
360.19	4246.84	2.97E-03	2.77E-02	1.38E-03	2.88E-01	6.28E-03	9.74E-01	3.65E-03	1.74E-05	4.22E-01	7.03E-04	3.02E-02	8.62E-03	1.77E+00	
362.2	4249.4	9.61E-03	1.50E-02	1.89E-03	3.35E-01	2.22E-02	1.28E+00	6.26E-03	3.52E-05	4.34E-02	6.96E-04	4.55E-02	4.59E-03	1.77E+00	
361.9	4245.8	1.10E-02	1.83E-02	1.92E-03	4.19E-01	6.58E-03	1.16E+00	6.22E-03	2.85E-05	1.07E-01	7.44E-04	2.89E-02	4.99E-03	1.77E+00	
359.181	4246.988	7.74E-03	1.36E-02	9.88E-04	4.86E-01	5.88E-03	1.10E+00	5.68E-03	1.15E-05	1.05E-01	4.42E-04	3.06E-02	5.65E-03	1.76E+00	
358.7	4248.8	4.10E-03	2.50E-02	1.44E-03	2.74E-01	1.46E-02	1.33E+00	3.52E-03	1.85E-05	6.25E-02	6.70E-04	3.69E-02	4.27E-03	1.76E+00	
360.8	4246.4	4.70E-03	1.53E-02	1.46E-03	3.97E-01	6.10E-03	1.04E+00	5.25E-03	1.94E-05	2.59E-01	5.73E-04	2.67E-02	5.77E-03	1.76E+00	
361.6	4250.3	1.70E-02	1.83E-02	2.84E-03	3.04E-01	2.70E-02	1.29E+00	5.00E-03	4.67E-05	4.32E-02	1.01E-03	4.37E-02	4.42E-03	1.76E+00	
362	4245.8	1.09E-02	1.83E-02	1.88E-03	4.15E-01	6.76E-03	1.16E+00	6.14E-03	2.79E-05	1.01E-01	7.34E-04	2.89E-02	4.90E-03	1.76E+00	
359.6	4246.8	7.59E-03	1.86E-02	1.15E-03	4.05E-01	6.03E-03	1.09E+00	4.54E-03	1.29E-05	1.85E-01	5.36E-04	3.05E-02	7.30E-03	1.76E+00	
362.3	4245.9	1.30E-02	1.77E-02	1.93E-03	4.02E-01	7.50E-03	1.19E+00	6.21E-03	2.98E-05	8.08E-02	7.35E-04	2.97E-02	4.73E-03	1.76E+00	
362.5	4246.1	1.25E-02	1.78E-02	1.87E-03	3.89E-01	7.88E-03	1.22E+00	6.69E-03	3.22E-05	6.81E-02	7.18E-04	2.93E-02	4.53E-03	1.76E+00	
359	4249.2	4.33E-03	2.57E-02	1.67E-03	2.88E-01	2.18E-02	1.30E+00	4.27E-03	2.47E-05	6.12E-02	7.38E-04	4.29E-02	4.66E-03	1.76E+00	
360.3	4251	4.71E-03	2.15E-02	1.87E-03	2.34E-01	2.32E-02	1.39E+00	3.59E-03	2.87E-05	2.88E-02	7.38E-04	4.01E-02	3.74E-03	1.75E+00	
362.5	4246.9	1.01E-02	1.80E-02	1.79E-03	3.81E-01	9.55E-03	1.22E+00	6.89E-03	3.24E-05	7.28E-02	6.96E-04	3.00E-02	4.10E-03	1.75E+00	
358.7	4248.5	3.45E-03	2.08E-02	1.18E-03	3.31E-01	1.32E-02	1.28E+00	4.51E-03	1.60E-05	5.69E-02	5.59E-04	3.56E-02	4.28E-03	1.75E+00	
362.1	4249.6	1.37E-02	1.65E-02	2.36E-03	3.15E-01	2.16E-02	1.28E+00	5.67E-03	4.24E-05	4.38E-02	8.38E-04	4.62E-02	4.59E-03	1.75E+00	
361.7	4245.8	1.08E-02	1.78E-02	1.96E-03	4.22E-01	6.05E-03	1.14E+00	6.13E-03	2.85E-05	1.13E-01	7.50E-04	2.78E-02	5.03E-03	1.75E+00	
358.8	4248.5	3.46E-03	2.06E-02	1.17E-03	3.50E-01	1.49E-02	1.25E+00	4.80E-03	1.61E-05	6.31E-02	5.55E-04	3.93E-02	4.70E-03	1.75E+00	
361.1	4251	9.22E-03	2.23E-02	2.56E-03	2.71E-01	2.01E-02	1.34E+00	4.39E-03	4.15E-05	3.39E-02	9.45E-04	3.98E-02	3.93E-03	1.75E+00	
358.8	4247.6	3.39E-03	3.01E-02	1.70E-03	3.19E-01	9.30E-03	1.29E+00	4.81E-03	2.56E-05	5.27E-02	7.88E-04	3.15E-02	3.82E-03	1.75E+00	
361.5	4245.9	1.43E-02	1.82E-02	2.28E-03	4.23E-01	5.76E-03	1.12E+00	5.94E-03	3.20E-05	1.23E-01	8.48E-04	2.77E-02	5.29E-03	1.75E+00	
359.5	4250.1	3.86E-03	2.20E-02	1.70E-03	2.25E-01	2.65E-02	1.38E+00	3.36E-03	2.55E-05	3.30E-02	6.91E-04	4.08E-02	3.73E-03	1.74E+00	
359.2	4247.2	7.18E-03	2.01E-02	1.41E-03	3.77E-01	7.34E-03	1.19E+00	5.61E-03	2.10E-05	1.02E-01	6.45E-04	3.16E-02	4.82E-03	1.74E+00	
362.1	4245.8	1.02E-02	1.81E-02	1.81E-03	4.09E-01	6.87E-03	1.16E+00	6.15E-03	2.72E-05	9.31E-02	7.08E-04	2.87E-02	4.74E-03	1.74E+00	
361.5	4250.5	1.43E-02	1.81E-02	2.84E-03	2.95E-01	2.28E-02	1.29E+00	4.96E-03	4.78E-05	4.07E-02	1.01E-03	4.15E-02	4.21E-03	1.73E+00	
358.7	4248	3.51E-03	2.72E-02	1.61E-03	3.28E-01	1.05E-02	1.26E+00	4.60E-03	2.26E-05	5.72E-02	7.45E-04	3.25E-02	4.20E-03	1.73E+00	
360.1	4250.6	4.63E-03	2.29E-02	1.91E-03	2.43E-01	2.74E-02	1.35E+00	3.72E-03	2.93E-05	3.20E-02	7.54E-04	4.21E-02	3.91E-03	1.73E+00	
359	4249.6	3.99E-03	2.24E-02	1.79E-03	2.39E-01	2.02E-02	1.36E+00	3.52E-03	2.63E-05	4.24E-02	7.17E-04	3.77E-02	3.72E-03	1.73E+00	
361.9	4249.9	1.39E-02	1.75E-02	2.32E-03	2.88E-01	2.48E-02	1.28E+00	4.94E-03	3.98E-05	4.41E-02	8.52E-04	4.34E-02	4.26E-03	1.73E+00	
361.7	4250.2	1.68E-02	1.77E-02	2.52E-03	2.92E-01	2.82E-02	1.27E+00	4.73E-03	4.10E-05	4.34E-02	9.13E-04	4.24E-02	4.27E-03	1.73E+00	
360.75	4251.25	6.29E-03	2.09E-02	1.86E-03	2.51E-01	2.03E-02	1.35E+00	4.07E-03	3.01E-05	2.93E-02	7.34E-04	3.92E-02	3.72E-03	1.72E+00	
359.8	4250.3	4.47E-03	2.51E-02	1.88E-03	2.37E-01	2.96E-02	1.34E+00	3.55E-03	2.81E-05	3.43E-02	7.54E-04	4.24E-02	3.90E-03	1.72E+00	
362.2	4245.8	9.95E-03	1.76E-02	1.76E-03	4.00E-01	6.97E-03	1.16E+00	6.16E-03	2.71E-05	8.60E-02	6.88E-04	2.85E-02	4.62E-03	1.72E+00	
358.9	4249.4	3.93E-03	2.31E-02	1.62E-03	2.43E-01	1.84E-02	1.34E+00	3.53E-03	2.36E-05	4.91E-02	6.95E-04	3.65E-02	3.83E-03	1.72E+00	
358.8	4249.1	3.98E-03	2.37E-02	1.51E-03	2.60E-01	1.63E-02	1.31E+00	3.51E-03	2.04E-05	6.23E-02	6.77E-04	3.55E-02	4.12E-03	1.72E+00	
358.9	4247.3	2.85E-03	3.42E-02	1.47E-03	2.77E-01	8.27E-03	1.30E+00	4.11E-03	2.18E-05	5.87E-02	8.18E-04	2.82E-02	3.32E-03	1.72E+00	
362.5	4249.1	1.14E-02	1.48E-02	1.82E-03	3.41E-01	1.66E-02	1.23E+00	5.85E-03	3.11E-05	4.67E-02	6.78E-04	3.99E-02	4.16E-03	1.72E+00	
360.5	4251.25	5.31E-03	2.05E-02	1.85E-03	2.37E-01	2.17E-02	1.35E+00	3.66E-03	2.85E-05	2.80E-02	7.26E-04	4.03E-02	3.75E-03	1.71E+00	
359.2	4246.9	6.42E-03	1.25E-02	8.30E-04	4.95E-01	5.46E-03	1.03E+00	5.74E-03	9.61E-06	1.15E-01	3.81E-04	3.08E-02	5.61E-03	1.71E+00	
362.4	4247.4	7.32E-03	1.50E-02	1.53E-03	3.38E-01	1.28E-02	1.23E+00	5.70E-03	2.59E-05	5.97E-02	5.91E-04	3.81E-02	4.37E-03	1.71E+00	
362.4	4245.9	1.15E-02	1.71E-02	1.80E-03	3.88E-01	7.54E-03	1.17E+00	6.11E-03	2.84E-05	7.61E-02	6.90E-04	2.90E-02	4.52E-03	1.71E+00	
359.6	4250.2	4.10E-03	2.28E-02	1.74E-03	2.23E-01	2.66E-02	1.35E+00	3.36E-03	2.63E-05	3.26E-02	7.08E-04	4.04E-02	3.69E-03	1.71E+00	
359.176	4247.174	7.39E-03	1.93E-02	1.37E-03	3.73E-01	7.10E-03	1.15E+00	5.46E-03	2.01E-05	1.02E-01	6.25E-04	3.08E-02	4.88E-03	1.71E+00	
362.5	4246	1.06E-02	1.72E-02	1.73E-03	3.80E-01	7.68E-03	1.18E+00	6.42E-03	2.93E-05	6.97E-02	6.70E-04	2.87E-02	4.39E-03	1.71E+00	
361.4	4250.7	1.16E-02	1.85E-02	2.60E-03	2.78E-01	2.07E-02	1.28E+00	4.62E-03	4.32E-05	3.80E-02	9.33E-04	3.95E-02	3.98E-03	1.70E+00	
360	4250.5	4.52E-03	2.33E-02	1.87E-03	2.38E-01	2.80E-02	1.32E+00	3.61E-03	2.84E-05	3.27E-02	7.43E-04	4.16E-02	3.85E-03	1.70E+00	
358.6	4248.5	3.53E-03	2.08E-02	1.22E-03	3.13E-01	1.18E-02	1.26E+00	4.22E-03	1.64E-05	5.04E-02	5.70E-04	3.23E-02	3.88E-03	1.70E+00	
359.35	4246.786	5.03E-03	1.10E-02	6.89E-04	4.71E-01	5.31E-03	1.01E+00	5.39E-03	7.87E-06	1.49E-01	3.20E-04	3.08E-02	6.82E-03	1.70E+00	
361.6	4245.8	1.23E-02	1.76E-02	2.10E-03	4.10E-01	5.72E-03	1.10E+00	5.80E-03	2.97E-05	1.13E-01	7.88E-04	2.70E-02	5.02E-03	1.69E+00	
362.4	4249.2	1.07E-02	1.42E-02	1.93E-03	3.43E-01	1.80E-02	1.21E+00	6.24E-03	3.51E-05	4.53E-02	7.03E-04	4.02E-02	4.22E-03	1.69E+00	
359.3	4246.8	5.28E-03	1.08E-02	7.02E-04	4.80E-01	5.23E-03	1.00E+00	5.68E-03	8.30E-06	1.47E-01	3.22E-04	3.05E-02	6.59E-03	1.69E+00	
361	4246.3	6.72E-03	1.76E-02	1.81E-03	3.90E-01	5.86E-03	1.05E+00	5.04E-03	2.35E-05	1.81E-01	7.01E-04	2.64E-02	5.42E-03	1.69E+00	
362.75	4248	1.11E-02	1.62E-02	1.72E-03	3.64E-01	1.25E-02	1.19E+00	6.26E-03	2.95E-05	4.99E-02	6.68E-04	3.32E-02	3.77E-03	1.69E+00	
358.7	4247.4	2.73E-03	2.76E-02	1.41E-03	3.09E-01	8.29E-03	1.26E+00	4.35E-03	1.99E-05	5.13E-02	7.04E-04	2.73E-02	3.21E-03	1.69E+00	
361.2	4250.9	1.01E-02	2.10E-02	2.67E-03	2.67E-01	1.92E-02	1.29E+00	4.32E-03	4.32E-05	3.50E-02	9.67E-04	3.81E-02	3.83E-03	1.69E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
362.4	4247.1	9.54E-03	1.69E-02	1.83E-03	3.47E-01	1.07E-02	1.19E+00	6.08E-03	3.21E-05	7.03E-02	6.96E-04	3.20E-02	4.03E-03	1.69E+00	
358.7	4248.7	3.93E-03	2.35E-02	1.31E-03	2.93E-01	1.42E-02	1.25E+00	3.94E-03	1.76E-05	6.11E-02	6.19E-04	3.64E-02	4.21E-03	1.69E+00	
358.7	4248.9	4.15E-03	2.26E-02	1.45E-03	2.62E-01	1.46E-02	1.26E+00	3.32E-03	1.84E-05	6.32E-02	6.42E-04	3.58E-02	4.18E-03	1.69E+00	
362	4249.8	1.41E-02	1.72E-02	2.32E-03	2.93E-01	2.22E-02	1.24E+00	4.98E-03	3.93E-05	4.34E-02	8.41E-04	4.26E-02	4.21E-03	1.69E+00	
361.3	4250.8	1.08E-02	1.95E-02	2.65E-03	2.70E-01	1.97E-02	1.28E+00	4.42E-03	4.32E-05	3.65E-02	9.53E-04	3.88E-02	3.90E-03	1.69E+00	
362.3	4245.8	1.08E-02	1.70E-02	1.78E-03	3.89E-01	7.08E-03	1.14E+00	6.06E-03	2.78E-05	8.01E-02	6.86E-04	2.84E-02	4.54E-03	1.69E+00	
362.3	4249.3	9.42E-03	1.41E-02	1.83E-03	3.33E-01	2.02E-02	1.21E+00	6.08E-03	3.34E-05	4.32E-02	6.74E-04	4.14E-02	4.29E-03	1.69E+00	
358.7	4248.2	3.28E-03	2.47E-02	1.47E-03	3.17E-01	1.18E-02	1.24E+00	4.02E-03	1.86E-05	5.10E-02	6.76E-04	3.35E-02	4.23E-03	1.69E+00	
358.7	4247.9	3.19E-03	2.62E-02	1.56E-03	3.19E-01	9.77E-03	1.23E+00	4.28E-03	2.09E-05	5.14E-02	7.13E-04	3.24E-02	4.29E-03	1.69E+00	
361.2	4246.1	1.22E-02	1.78E-02	2.25E-03	4.05E-01	5.55E-03	1.06E+00	5.51E-03	3.07E-05	1.42E-01	8.35E-04	2.64E-02	5.27E-03	1.69E+00	
360.2	4250.8	4.53E-03	2.19E-02	1.86E-03	2.35E-01	2.44E-02	1.32E+00	3.64E-03	2.88E-05	2.99E-02	7.33E-04	4.00E-02	3.74E-03	1.68E+00	
359.2	4249.9	3.82E-03	2.04E-02	1.64E-03	2.24E-01	2.26E-02	1.33E+00	3.34E-03	2.45E-05	3.45E-02	6.50E-04	3.75E-02	3.54E-03	1.68E+00	
360.328	4246.639	2.45E-03	1.69E-02	1.08E-03	2.76E-01	6.44E-03	8.24E-01	3.97E-03	1.55E-05	5.14E-01	4.87E-04	2.72E-02	6.88E-03	1.68E+00	
358.6	4248.4	3.24E-03	1.86E-02	1.21E-03	3.22E-01	1.15E-02	1.23E+00	3.95E-03	1.48E-05	5.02E-02	5.37E-04	3.10E-02	3.82E-03	1.68E+00	
359.7	4250.3	4.27E-03	2.36E-02	1.78E-03	2.23E-01	2.65E-02	1.32E+00	3.35E-03	2.68E-05	3.24E-02	7.25E-04	3.96E-02	3.63E-03	1.68E+00	
359.9	4250.4	4.46E-03	2.43E-02	1.86E-03	2.36E-01	2.90E-02	1.30E+00	3.56E-03	2.81E-05	3.35E-02	7.50E-04	4.16E-02	3.84E-03	1.68E+00	
361.3	4246	1.29E-02	1.77E-02	2.24E-03	4.06E-01	5.47E-03	1.07E+00	5.64E-03	3.12E-05	1.30E-01	8.30E-04	2.64E-02	5.15E-03	1.68E+00	
361.1	4246.2	1.02E-02	1.78E-02	2.13E-03	3.97E-01	5.67E-03	1.05E+00	5.22E-03	2.80E-05	1.57E-01	7.96E-04	2.63E-02	5.29E-03	1.68E+00	
359.138	4246.944	6.67E-03	1.30E-02	8.85E-04	4.68E-01	5.60E-03	1.05E+00	5.46E-03	1.03E-05	9.57E-02	4.05E-04	2.94E-02	5.23E-03	1.68E+00	
359.8	4246.7	3.27E-03	2.01E-02	9.86E-04	3.09E-01	6.10E-03	1.01E+00	3.80E-03	1.21E-05	2.82E-01	5.01E-04	2.94E-02	6.13E-03	1.68E+00	
361.8	4245.7	1.17E-02	1.71E-02	1.96E-03	4.01E-01	5.94E-03	1.09E+00	5.94E-03	2.90E-05	1.04E-01	7.44E-04	2.68E-02	4.74E-03	1.67E+00	
361.9	4245.7	1.30E-02	1.73E-02	2.02E-03	3.96E-01	6.19E-03	1.10E+00	5.94E-03	3.03E-05	1.02E-01	7.67E-04	2.73E-02	4.72E-03	1.67E+00	
361.8	4250.1	1.62E-02	1.70E-02	2.49E-03	2.77E-01	2.60E-02	1.24E+00	4.60E-03	4.12E-05	4.30E-02	8.96E-04	4.11E-02	4.11E-03	1.67E+00	
360.5	4246.5	3.19E-03	1.31E-02	1.10E-03	3.46E-01	6.22E-03	9.10E-01	4.71E-03	1.50E-05	3.54E-01	4.45E-04	2.59E-02	5.40E-03	1.67E+00	
362.2	4249.5	9.60E-03	1.50E-02	1.90E-03	3.12E-01	2.04E-02	1.21E+00	5.87E-03	3.57E-05	4.16E-02	6.95E-04	4.35E-02	4.37E-03	1.67E+00	
359.1	4249.8	3.87E-03	2.07E-02	1.67E-03	2.26E-01	2.15E-02	1.31E+00	3.36E-03	2.48E-05	3.64E-02	6.59E-04	3.72E-02	3.55E-03	1.67E+00	
358.7	4248.1	3.16E-03	2.33E-02	1.41E-03	3.10E-01	1.12E-02	1.22E+00	4.45E-03	2.02E-05	5.40E-02	6.42E-04	3.17E-02	3.92E-03	1.66E+00	
362	4245.7	1.27E-02	1.75E-02	1.97E-03	3.91E-01	6.39E-03	1.10E+00	5.84E-03	2.94E-05	9.75E-02	7.53E-04	2.75E-02	4.66E-03	1.66E+00	
361.5	4250.6	1.28E-02	1.75E-02	2.60E-03	2.81E-01	2.07E-02	1.24E+00	4.72E-03	4.36E-05	3.89E-02	9.27E-04	3.88E-02	3.97E-03	1.66E+00	
361.6	4250.4	1.58E-02	1.75E-02	2.77E-03	2.90E-01	2.33E-02	1.22E+00	4.81E-03	4.59E-05	4.11E-02	9.81E-04	4.04E-02	4.14E-03	1.66E+00	
362.1	4245.7	1.15E-02	1.74E-02	1.86E-03	3.90E-01	6.51E-03	1.10E+00	5.82E-03	2.78E-05	9.24E-02	7.18E-04	2.74E-02	4.56E-03	1.66E+00	
362.5	4245.9	9.55E-03	1.66E-02	1.65E-03	3.72E-01	7.45E-03	1.14E+00	6.09E-03	2.69E-05	7.08E-02	6.38E-04	2.80E-02	4.28E-03	1.66E+00	
359.116	4247.017	6.60E-03	1.48E-02	9.77E-04	4.20E-01	5.97E-03	1.07E+00	5.37E-03	1.25E-05	9.55E-02	4.53E-04	2.87E-02	5.30E-03	1.65E+00	
362.2	4245.7	9.82E-03	1.70E-02	1.73E-03	3.86E-01	6.60E-03	1.11E+00	5.89E-03	2.64E-05	8.64E-02	6.73E-04	2.72E-02	4.44E-03	1.65E+00	
362.5	4247.4	7.34E-03	1.46E-02	1.52E-03	3.22E-01	1.23E-02	1.19E+00	5.35E-03	2.52E-05	5.70E-02	5.84E-04	3.65E-02	4.18E-03	1.65E+00	
362.4	4245.8	1.14E-02	1.66E-02	1.77E-03	3.76E-01	7.17E-03	1.12E+00	5.89E-03	2.77E-05	7.53E-02	6.77E-04	2.81E-02	4.40E-03	1.65E+00	
358.7	4247.8	3.26E-03	2.57E-02	1.67E-03	3.00E-01	9.10E-03	1.23E+00	4.06E-03	2.26E-05	4.58E-02	7.26E-04	3.02E-02	3.92E-03	1.65E+00	
362.1	4249.7	1.27E-02	1.63E-02	2.20E-03	2.94E-01	2.02E-02	1.21E+00	5.14E-03	3.85E-05	4.21E-02	7.93E-04	4.22E-02	4.22E-03	1.65E+00	
362.75	4248.25	1.03E-02	1.60E-02	1.59E-03	3.57E-01	1.20E-02	1.16E+00	6.39E-03	2.85E-05	4.68E-02	6.27E-04	3.35E-02	3.81E-03	1.65E+00	
359.584	4246.766	6.95E-03	1.80E-02	1.09E-03	3.79E-01	5.86E-03	1.03E+00	4.29E-03	1.23E-05	1.64E-01	5.10E-04	2.86E-02	6.59E-03	1.64E+00	
361.7	4245.7	1.05E-02	1.70E-02	1.92E-03	3.97E-01	5.65E-03	1.07E+00	5.73E-03	2.77E-05	1.05E-01	7.27E-04	2.62E-02	4.73E-03	1.64E+00	
358.7	4247.7	3.45E-03	2.66E-02	1.74E-03	2.96E-01	8.67E-03	1.22E+00	4.06E-03	2.37E-05	4.90E-02	7.48E-04	2.96E-02	3.74E-03	1.64E+00	
361.4	4245.9	1.34E-02	1.75E-02	2.23E-03	3.97E-01	5.42E-03	1.05E+00	5.62E-03	3.16E-05	1.18E-01	8.26E-04	2.60E-02	4.99E-03	1.64E+00	
358.6	4248.3	3.50E-03	2.07E-02	1.40E-03	3.18E-01	1.11E-02	1.20E+00	3.74E-03	1.65E-05	4.99E-02	6.13E-04	3.11E-02	3.99E-03	1.64E+00	
362.4	4247.2	7.88E-03	1.56E-02	1.64E-03	3.28E-01	1.12E-02	1.17E+00	5.64E-03	2.82E-05	6.31E-02	6.28E-04	3.30E-02	4.00E-03	1.64E+00	
362.75	4247.75	7.12E-03	1.69E-02	1.54E-03	3.33E-01	1.25E-02	1.17E+00	5.68E-03	2.63E-05	5.11E-02	6.24E-04	3.50E-02	3.92E-03	1.64E+00	
358.9	4249.5	3.89E-03	2.19E-02	1.69E-03	2.32E-01	1.80E-02	1.27E+00	3.39E-03	2.47E-05	4.50E-02	6.97E-04	3.50E-02	3.61E-03	1.64E+00	
362.75	4246.5	1.07E-02	1.80E-02	1.72E-03	3.73E-01	7.79E-03	1.13E+00	6.30E-03	2.91E-05	5.63E-02	6.75E-04	2.69E-02	3.87E-03	1.64E+00	
358.6	4248.6	3.69E-03	2.08E-02	1.17E-03	3.03E-01	1.22E-02	1.20E+00	4.20E-03	1.62E-05	5.30E-02	5.53E-04	3.33E-02	3.96E-03	1.64E+00	
358.8	4247.3	2.53E-03	3.12E-02	1.36E-03	2.70E-01	8.11E-03	1.24E+00	3.85E-03	1.94E-05	5.29E-02	7.49E-04	2.68E-02	3.15E-03	1.64E+00	
359.4	4250.1	3.61E-03	2.03E-02	1.58E-03	2.13E-01	2.37E-02	1.30E+00	3.17E-03	2.36E-05	3.16E-02	6.40E-04	3.76E-02	3.47E-03	1.63E+00	
359	4249.7	3.82E-03	2.08E-02	1.67E-03	2.25E-01	1.96E-02	1.28E+00	3.34E-03	2.49E-05	3.86E-02	6.66E-04	3.59E-02	3.50E-03	1.63E+00	
362.75	4248.5	8.87E-03	1.56E-02	1.53E-03	3.35E-01	1.16E-02	1.17E+00	6.26E-03	2.86E-05	4.59E-02	6.03E-04	3.39E-02	3.78E-03	1.63E+00	
362.3	4245.7	8.84E-03	1.65E-02	1.64E-03	3.77E-01	6.69E-03	1.10E+00	5.90E-03	2.56E-05	8.01E-02	6.37E-04	2.71E-02	4.33E-03	1.63E+00	
361.7	4250.3	1.63E-02	1.71E-02	2.56E-03	2.80E-01	2.48E-02	1.20E+00	4.56E-03	4.16E-05	4.14E-02	9.15E-04	3.94E-02	4.03E-03	1.63E+00	
361.9	4250	1.49E-02	1.66E-02	2.43E-03	2.72E-01	2.34E-02	1.21E+00	4.62E-03	4.13E-05	4.22E-02	8.75E-04	4.01E-02	4.00E-03	1.63E+00	
360.1	4250.7	4.44E-03	2.16E-02	1.82E-03	2.27E-01	2.42E-02	1.27E+00	3.49E-03	2.80E-05	2.99E-02	7.16E-04	3.84E-02	3.59E-03	1.62E+00	
358.9	4249.2	4.05E-03	2.32E-02	1.53E-03	2.66E-01	1.87E-02	1.20E+00	3.84E-03	2.20E-05	5.88E-02	6.72E-04	3.78E-02	4.24E-03	1.62E+00	
362.4	4247.3	7.01E-03	1.46E-02	1.51E-03	3.26E-01	1.19E-02	1.15E+00	5.53E-03	2.56E-05	6.00E-02	5.79E-04	3.49E-02	4.12E-03	1.62E+00	
358.7	4248.6	3.67E-03	2.06E-02	1.17E-03	3.14E-01	1.36E-02	1.16E+00	4.40E-03	1.64E-05	5.84E-02	5.50E-04	3.59E-02	4.24E-03	1.62E+00	
359.2	4246.8	5.16E-03	1.14E-02	7.14E-04	4.63E-01	5.04E-03	9.62E-01	5.61E-03	8.65E-06	1.32E-01	3.33E-04	2.87E-02	5.93E-03	1.62E+00	
358.7	4247.5	3.60E-03	2.67E-02	1.61E-03	2.99E-01	8.44E-03	1.20E+00	4.68E-03	2.52E-05	4.70E-02	7.30E-04	2.79E-02	3.31E-03	1.62E+00	
359.8	4250.4	4.27E-03	2.34E-02	1.78E-03	2.21E-01	2.62E-02	1.26E+00	3.34E-03	2.68E-05	3.20E-02	7.18E-04	3.83E-02	3.56E-03	1.62E+00	
362.5	4247	9.03E-03	1.66E-02	1.71E-03	3.35E-01	9.78E-03	1.13E+00	5.95E-03	3.04E-05	7.06E-02	6.60E-04	2.93E-02	3.84E-03	1.62E+00	
360	4250.6	4.35E-03	2.18E-02	1.79E-03	2.22E-01	2.47E-02	1.26E+00	3.38E-03	2.72E-05	3.04E-02	7.06E-04	3.79E-02	3.53E-03	1.62E+00	
359.1	4246.9	5.83E-03	1.25E-02	8.08E-04	4.53E-01	5.36E-03	1.00E+00	5.24E-03	9.35E-06	9.73E-02	3.76E-04	2.83E-02	4.93E-03	1.61E+00	
361.5	4245.8	1.25E-02	1.72E-02	2.09E-03	3.88E-01	5.38E-03	1.04E+00	5.49E-03	2.95E-05	1.10E-01	7.79E-04	2.57E-02	4.83E-03	1.61E+00	
362.5	4249.2	1.11E-02	1.38E-02	1.90E-03	3.27E-01	1.60E-02	1.14E+00	5.70E-03	3.31E-05	4.45E-02	6.90E-04	3.74E-02	3.96E-03	1.61E+00	
362.5	4245.8	1.03E-02	1.61E-02	1.67E-03	3.63E-01	7.17E-03	1.10E+00	5.80E-03	2.66E-05	7.09E-02	6.40E-04	2.74E-02	4.20E-03	1.60E+00	
358.869	4247.239	3.08E-03	3.20E-02	1.40E-03	2.54E-01	7.68E-03	1.22E+00	3.96E-03	2.19E-05	5.48E-02	7.74E-04	2.67E-02	3.18E-03	1.60E+00	
359.5	4250.2	3.80E-03	2.08E-02	1.64E-03	2.09E-01	2.38E-02	1.27E+00	3.16E-03	2.47E-05	3.08E-02	6.60E-04	3.73E-02	3.43E-03	1.60E+00	
358.7	4247.6	3.94E-03	2.80E-02	1.79E-03	2.93E-01	8.48E-03	1.18E+00	4.32E-03	2.64E-05	5.07E-02	7.85E-04	2.90E-02	3.54E-03	1.60E+00	
361.4	4250.8	1.06E-02	1.78E-02	2.42E-03	2.63E-01	1.86E-02	1.21E+00	4.36E-03	4.02E-05	3.61E-02	8.74E-04	3.68E-02	3.72E-03	1.60E+00	
361.2	4251	9.15E-03	2.03E-02	2.42E-03	2.53E-01	1.76E-02	1.22E+00	4.11E-03	3.92E-05	3.32E-02	8.88E-04	3.56E-02	3.60E-03	1.60E+00	
362.75	4248.25	1.05E-02	1.74E-02	1.68E-03	3.51E-01	7.33E-03	1.12E+00	5.93E-03	2.83E-05	5.79E-02	6.50E-04	2.67E-02	4.00E-03	1.60E+00	
360.2	4250.9	4.39E-03	2.08E-02	1.78E-03	2.23E-01	2.19E-02	1.25E+00	3.44E-03	2.74E-05	2.83E-02	7.00E-04	3.72E-02	3.51E-03	1.60E+00	
361	4251.25	7.22E-03	1.99E-02	2.01E-03	2.50E-01	1.87E-02	1.22E+00	4.07E-03	3.27E-05	3.03E-02	7.68E-04	3.75E-02	3.66E-03	1.60E+00	
359.7	4246.7	3.66E-03	1.80E-02	9.00E-04	3.09E-01	5.87E-03	1.01E+00	3.89E-03	1.14E-05	2.16E-01	4.55E-04	2.71E-02	5.58E-03	1.60E+00	
362	4249.9	1.32E-02	1.65E-02	2.22E-03	2.74E-01	2.10E-02	1.18E+00	4.61E-03	3.73E-05	4.16E-02	8.09E-04	3.93E-02	3.92E-03	1.60E+00	
362.3	4249.4	9.26E-03	1.38E-02	1.83E-03	3.10E-01	1.91E-02	1.15E+00	5.66E-03	3.34E-05	4.06E-02	6.67E-04	3.93E-02	4.07E-03	1.59E+00	
362.4	4245.7	9.26E-03	1.60E-02	1.62E-03	3.66E-01	6.79E-03	1.08E+00	5.77E-03	2.56E-05	7.49E-02	6.28E-04	2.70E-02	4.23E-03	1.59E+00	
360.9	4246.3	5.72E-03	1.58E-02	1.59E-03	3.55E-01	5.71E-03	9.79E-01	4.66E-03	2.09E-05	1.95E-01	6.12E-04	2.46E-02	5.02E-03	1.59E+00	
361.9	4245.6	1.38E-02	1.64E-02	2.06E-03	3.77E-01	5.81E-03	1.04E+00	5.71E-03	3.12E-05	9.53E-02	7.71E-04	2.58E-02	4.46E-03	1.59E+00	
358.5	4248.6	3.72E-03	2.05E-02	1.18E-03	2.89E-01	1.10E-02	1.18E+00	3.96E-03	1.62E-05	4.74E-02	5.53E-04	3.07E-02	3.68E-03	1.59E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
361.3	4250.9	1.03E-02	1.89E-02	2.59E-03	2.55E-01	1.78E-02	1.20E+00	4.17E-03	4.23E-05	3.45E-02	9.29E-04	3.57E-02	3.64E-03	1.59E+00	
361.8	4245.6	1.29E-02	1.63E-02	2.02E-03	3.80E-01	5.56E-03	1.04E+00	5.61E-03	2.99E-05	9.68E-02	7.55E-04	2.53E-02	4.48E-03	1.59E+00	
361.5	4250.7	1.20E-02	1.71E-02	2.55E-03	2.68E-01	1.89E-02	1.18E+00	4.50E-03	4.28E-05	3.72E-02	9.07E-04	3.64E-02	3.75E-03	1.59E+00	
358.7	4247.3	2.41E-03	2.89E-02	1.30E-03	2.66E-01	7.86E-03	1.20E+00	3.73E-03	1.82E-05	4.90E-02	7.02E-04	2.55E-02	2.99E-03	1.59E+00	
361.6	4250.5	1.43E-02	1.68E-02	2.59E-03	2.78E-01	2.07E-02	1.17E+00	4.62E-03	4.31E-05	3.92E-02	9.21E-04	3.76E-02	3.89E-03	1.58E+00	
358.6	4248	3.83E-03	2.47E-02	1.62E-03	3.03E-01	9.76E-03	1.15E+00	4.27E-03	2.28E-05	5.20E-02	7.20E-04	2.98E-02	3.91E-03	1.58E+00	
361.8	4250.2	1.51E-02	1.64E-02	2.30E-03	2.66E-01	2.43E-02	1.17E+00	4.37E-03	3.78E-05	4.13E-02	8.34E-04	3.80E-02	3.86E-03	1.58E+00	
362.2	4245.6	1.03E-02	1.65E-02	1.74E-03	3.70E-01	6.25E-03	1.05E+00	5.58E-03	2.61E-05	8.56E-02	6.70E-04	2.60E-02	4.28E-03	1.58E+00	
362	4245.6	1.40E-02	1.66E-02	2.04E-03	3.72E-01	6.01E-03	1.04E+00	5.61E-03	3.07E-05	9.27E-02	7.66E-04	2.61E-02	4.43E-03	1.58E+00	
362.2	4249.6	1.13E-02	1.51E-02	2.12E-03	2.91E-01	1.88E-02	1.15E+00	5.43E-03	3.96E-05	4.00E-02	7.55E-04	4.09E-02	4.13E-03	1.58E+00	
362.1	4245.6	1.19E-02	1.67E-02	1.86E-03	3.70E-01	6.15E-03	1.05E+00	5.52E-03	2.78E-05	8.95E-02	7.12E-04	2.62E-02	4.38E-03	1.58E+00	
359.6	4250.3	4.01E-03	2.16E-02	1.67E-03	2.09E-01	2.39E-02	1.24E+00	3.17E-03	2.53E-05	3.06E-02	6.76E-04	3.69E-02	3.40E-03	1.58E+00	
362.3	4245.6	9.06E-03	1.60E-02	1.63E-03	3.67E-01	6.33E-03	1.06E+00	5.68E-03	2.53E-05	8.06E-02	6.33E-04	2.59E-02	4.16E-03	1.58E+00	
361.6	4245.7	1.05E-02	1.67E-02	1.92E-03	3.80E-01	5.35E-03	1.02E+00	5.41E-03	2.74E-05	1.03E-01	7.24E-04	2.53E-02	4.64E-03	1.57E+00	
358.5	4248.5	3.58E-03	1.94E-02	1.23E-03	2.96E-01	1.07E-02	1.16E+00	3.90E-03	1.62E-05	4.57E-02	5.56E-04	2.93E-02	3.55E-03	1.57E+00	
359.396	4248.737	5.18E-03	1.25E-02	7.48E-04	4.10E-01	5.29E-03	9.68E-01	4.61E-03	8.40E-06	1.31E-01	3.52E-04	2.83E-02	6.41E-03	1.57E+00	
362.75	4247.5	6.43E-03	1.47E-02	1.42E-03	3.10E-01	1.19E-02	1.13E+00	5.11E-03	2.35E-05	5.06E-02	5.62E-04	3.42E-02	3.87E-03	1.57E+00	
362.4	4249.3	8.82E-03	1.34E-02	1.73E-03	3.15E-01	1.74E-02	1.12E+00	5.74E-03	3.15E-05	4.21E-02	6.34E-04	3.73E-02	3.93E-03	1.56E+00	
358.9	4249.6	3.77E-03	2.07E-02	1.68E-03	2.21E-01	1.75E-02	1.22E+00	3.24E-03	2.46E-05	4.12E-02	6.74E-04	3.36E-02	3.40E-03	1.56E+00	
360.2	4246.6	2.78E-03	2.57E-02	1.30E-03	2.74E-01	6.08E-03	9.14E-01	3.53E-03	1.67E-05	2.93E-01	6.57E-04	2.84E-02	7.27E-03	1.56E+00	
362.1	4249.8	1.29E-02	1.60E-02	2.20E-03	2.75E-01	1.91E-02	1.14E+00	4.69E-03	3.74E-05	4.06E-02	7.90E-04	3.87E-02	3.89E-03	1.56E+00	
362.5	4245.7	1.04E-02	1.56E-02	1.64E-03	3.53E-01	6.84E-03	1.06E+00	5.59E-03	2.60E-05	7.06E-02	6.28E-04	2.66E-02	4.10E-03	1.56E+00	
359.9	4250.5	4.26E-03	2.24E-02	1.75E-03	2.19E-01	2.55E-02	1.21E+00	3.34E-03	2.66E-05	3.11E-02	7.00E-04	3.76E-02	3.51E-03	1.55E+00	
359.8	4246.6	2.51E-03	1.88E-02	9.09E-04	2.72E-01	5.72E-03	8.96E-01	3.33E-03	1.11E-05	3.21E-01	4.67E-04	2.60E-02	5.56E-03	1.55E+00	
359.051	4247.057	6.02E-03	1.67E-02	1.05E-03	3.52E-01	6.17E-03	1.04E+00	4.94E-03	1.48E-05	8.99E-02	4.96E-04	2.73E-02	4.72E-03	1.55E+00	
358.9	4249.3	3.93E-03	2.18E-02	1.49E-03	2.52E-01	1.87E-02	1.16E+00	3.69E-03	2.19E-05	5.35E-02	6.46E-04	3.68E-02	4.00E-03	1.55E+00	
359.2	4250	3.63E-03	1.87E-02	1.52E-03	2.07E-01	2.07E-02	1.23E+00	3.09E-03	2.27E-05	3.18E-02	6.03E-04	3.45E-02	3.26E-03	1.55E+00	
358.5	4248.4	3.33E-03	1.74E-02	1.22E-03	3.03E-01	1.04E-02	1.13E+00	3.65E-03	1.47E-05	4.66E-02	5.27E-04	2.85E-02	3.57E-03	1.55E+00	
358.6	4247.4	2.41E-03	2.40E-02	1.24E-03	2.89E-01	7.71E-03	1.14E+00	4.26E-03	1.84E-05	4.73E-02	6.14E-04	2.52E-02	2.98E-03	1.55E+00	
362.75	4248.75	1.25E-02	1.51E-02	1.74E-03	3.07E-01	1.29E-02	1.11E+00	5.72E-03	3.25E-05	4.33E-02	6.61E-04	3.37E-02	3.71E-03	1.55E+00	
359.7	4250.4	4.11E-03	2.22E-02	1.70E-03	2.08E-01	2.37E-02	1.21E+00	3.16E-03	2.58E-05	3.04E-02	6.89E-04	3.60E-02	3.34E-03	1.55E+00	
358.856	4247.185	3.34E-03	2.93E-02	1.32E-03	2.49E-01	7.19E-03	1.17E+00	3.92E-03	2.07E-05	5.74E-02	7.18E-04	2.60E-02	3.24E-03	1.55E+00	
358.8	4249.4	3.70E-03	2.06E-02	1.47E-03	2.22E-01	1.61E-02	1.20E+00	3.22E-03	2.13E-05	4.73E-02	6.28E-04	3.25E-02	3.49E-03	1.55E+00	
362.4	4245.6	7.73E-03	1.55E-02	1.50E-03	3.57E-01	6.41E-03	1.05E+00	5.64E-03	2.37E-05	7.53E-02	5.87E-04	2.59E-02	4.07E-03	1.55E+00	
359.1	4249.9	3.74E-03	1.91E-02	1.59E-03	2.10E-01	2.01E-02	1.22E+00	3.14E-03	2.37E-05	3.34E-02	6.20E-04	3.42E-02	3.27E-03	1.55E+00	
359.1	4246.8	5.71E-03	1.14E-02	7.68E-04	4.38E-01	4.93E-03	9.30E-01	5.18E-03	9.09E-06	1.18E-01	3.51E-04	2.71E-02	5.20E-03	1.55E+00	
361.7	4245.6	1.19E-02	1.62E-02	1.99E-03	3.72E-01	5.30E-03	1.00E+00	5.33E-03	2.86E-05	9.64E-02	7.42E-04	2.47E-02	4.45E-03	1.54E+00	
358.6	4247.9	3.70E-03	2.46E-02	1.63E-03	2.94E-01	9.11E-03	1.13E+00	4.01E-03	2.22E-05	4.50E-02	7.19E-04	2.96E-02	3.90E-03	1.54E+00	
358.6	4248.2	3.64E-03	2.28E-02	1.53E-03	2.90E-01	1.07E-02	1.13E+00	3.79E-03	2.00E-05	4.76E-02	6.70E-04	2.99E-02	3.77E-03	1.54E+00	
361.9	4250.1	1.54E-02	1.59E-02	2.48E-03	2.58E-01	2.20E-02	1.14E+00	4.34E-03	4.17E-05	4.07E-02	8.82E-04	3.72E-02	3.77E-03	1.54E+00	
361.7	4250.4	1.53E-02	1.65E-02	2.52E-03	2.69E-01	2.17E-02	1.13E+00	4.40E-03	4.12E-05	3.95E-02	8.96E-04	3.68E-02	3.81E-03	1.54E+00	
360.8	4246.3	4.73E-03	1.38E-02	1.37E-03	3.44E-01	5.63E-03	9.21E-01	4.66E-03	1.85E-05	2.08E-01	5.27E-04	2.37E-02	4.73E-03	1.53E+00	
358.986	4247.098	5.22E-03	1.97E-02	1.15E-03	3.05E-01	6.44E-03	1.08E+00	4.48E-03	1.69E-05	8.24E-02	5.55E-04	2.66E-02	4.15E-03	1.53E+00	
362.5	4247.1	8.65E-03	1.54E-02	1.70E-03	3.07E-01	1.01E-02	1.09E+00	5.29E-03	2.93E-05	6.40E-02	6.43E-04	2.96E-02	3.71E-03	1.53E+00	
362.5	4247.3	6.78E-03	1.38E-02	1.44E-03	3.05E-01	1.13E-02	1.09E+00	5.09E-03	2.41E-05	5.66E-02	5.52E-04	3.33E-02	3.91E-03	1.53E+00	
358.7	4249	3.93E-03	2.00E-02	1.34E-03	2.51E-01	1.45E-02	1.13E+00	3.22E-03	1.73E-05	6.20E-02	5.83E-04	3.37E-02	3.95E-03	1.53E+00	
358.6	4248.9	3.94E-03	2.07E-02	1.31E-03	2.39E-01	1.30E-02	1.15E+00	3.06E-03	1.67E-05	5.74E-02	5.82E-04	3.22E-02	3.76E-03	1.53E+00	
359	4249.8	3.74E-03	1.94E-02	1.63E-03	2.11E-01	1.89E-02	1.19E+00	3.14E-03	2.43E-05	3.53E-02	6.35E-04	3.37E-02	3.27E-03	1.52E+00	
361.3	4245.9	1.21E-02	1.63E-02	2.11E-03	3.63E-01	5.14E-03	9.73E-01	5.12E-03	2.97E-05	1.16E-01	7.74E-04	2.39E-02	4.57E-03	1.52E+00	
361.6	4250.6	1.33E-02	1.62E-02	2.53E-03	2.67E-01	1.86E-02	1.12E+00	4.43E-03	4.21E-05	3.76E-02	8.95E-04	3.53E-02	3.69E-03	1.52E+00	
360.2	4251	4.26E-03	1.96E-02	1.70E-03	2.11E-01	1.99E-02	1.20E+00	3.25E-03	2.63E-05	2.68E-02	6.69E-04	3.44E-02	3.27E-03	1.52E+00	
358.89	4247.117	4.04E-03	2.39E-02	1.19E-03	2.67E-01	6.62E-03	1.11E+00	4.03E-03	1.80E-05	7.01E-02	6.16E-04	2.56E-02	3.62E-03	1.52E+00	
360.4	4246.6	2.38E-03	1.39E-02	1.01E-03	2.55E-01	5.38E-03	7.66E-01	3.49E-03	1.39E-05	4.42E-01	4.31E-04	2.24E-02	5.62E-03	1.52E+00	
362.3	4245.5	8.60E-03	1.56E-02	1.58E-03	3.55E-01	5.97E-03	1.01E+00	5.37E-03	2.39E-05	7.99E-02	6.14E-04	2.48E-02	4.02E-03	1.52E+00	
362.75	4246.75	9.19E-03	1.60E-02	1.62E-03	3.31E-01	8.12E-03	1.05E+00	5.81E-03	2.84E-05	6.19E-02	6.25E-04	2.55E-02	3.58E-03	1.52E+00	
361.9	4245.5	1.11E-02	1.57E-02	1.85E-03	3.60E-01	5.44E-03	9.98E-01	5.45E-03	2.79E-05	8.93E-02	6.95E-04	2.44E-02	4.22E-03	1.52E+00	
359.6	4246.7	4.90E-03	1.74E-02	9.42E-04	3.27E-01	5.66E-03	9.55E-01	3.85E-03	1.11E-05	1.70E-01	4.61E-04	2.58E-02	5.50E-03	1.52E+00	
362.75	4246	7.77E-03	1.59E-02	1.50E-03	3.29E-01	6.88E-03	1.06E+00	5.72E-03	2.61E-05	5.77E-02	5.84E-04	2.54E-02	3.83E-03	1.52E+00	
362.3	4249.5	8.49E-03	1.37E-02	1.74E-03	2.91E-01	1.78E-02	1.10E+00	5.40E-03	3.23E-05	3.87E-02	6.37E-04	3.79E-02	3.89E-03	1.52E+00	
361.2	4246	9.47E-03	1.63E-02	1.92E-03	3.58E-01	5.21E-03	9.63E-01	4.92E-03	2.64E-05	1.27E-01	7.17E-04	2.37E-02	4.60E-03	1.51E+00	
358.6	4247.3	2.29E-03	2.56E-02	1.21E-03	2.63E-01	7.51E-03	1.14E+00	3.66E-03	1.68E-05	4.57E-02	6.34E-04	2.41E-02	2.84E-03	1.51E+00	
362.5	4247.2	7.28E-03	1.44E-02	1.52E-03	2.99E-01	1.06E-02	1.06E+00	5.04E-03	2.57E-05	5.82E-02	5.81E-04	3.10E-02	3.74E-03	1.51E+00	
359.3	4246.7	4.30E-03	1.02E-02	6.24E-04	4.11E-01	4.93E-03	9.25E-01	4.74E-03	7.20E-06	1.18E-01	2.92E-04	2.71E-02	6.10E-03	1.51E+00	
362.5	4245.6	8.95E-03	1.51E-02	1.54E-03	3.45E-01	6.49E-03	1.03E+00	5.43E-03	2.43E-05	7.04E-02	5.93E-04	2.57E-02	3.97E-03	1.51E+00	
361.5	4250.8	1.12E-02	1.66E-02	2.45E-03	2.56E-01	1.73E-02	1.13E+00	4.28E-03	4.10E-05	3.56E-02	8.72E-04	3.41E-02	3.54E-03	1.51E+00	
361.4	4250.9	1.00E-02	1.73E-02	2.35E-03	2.49E-01	1.68E-02	1.14E+00	4.12E-03	3.88E-05	3.43E-02	8.46E-04	3.39E-02	3.48E-03	1.51E+00	
361.4	4245.8	1.08E-02	1.63E-02	1.96E-03	3.62E-01	5.08E-03	9.71E-01	5.18E-03	2.81E-05	1.07E-01	7.31E-04	2.39E-02	4.48E-03	1.51E+00	
362	4250	1.35E-02	1.58E-02	2.24E-03	2.58E-01	1.99E-02	1.11E+00	4.32E-03	3.75E-05	4.00E-02	8.08E-04	3.64E-02	3.68E-03	1.51E+00	
362.2	4245.5	9.47E-03	1.59E-02	1.66E-03	3.54E-01	5.90E-03	1.00E+00	5.27E-03	2.48E-05	8.31E-02	6.43E-04	2.50E-02	4.10E-03	1.51E+00	
362.75	4249	1.04E-02	1.46E-02	1.62E-03	2.93E-01	1.35E-02	1.09E+00	5.06E-03	2.80E-05	4.18E-02	6.20E-04	3.29E-02	3.57E-03	1.51E+00	
360.177	4246.578	2.79E-03	2.59E-02	1.29E-03	2.68E-01	5.96E-03	9.08E-01	3.42E-03	1.64E-05	2.55E-01	6.58E-04	2.80E-02	6.62E-03	1.51E+00	
362	4245.5	1.11E-02	1.58E-02	1.82E-03	3.55E-01	5.64E-03	9.95E-01	5.40E-03	2.78E-05	8.71E-02	6.92E-04	2.48E-02	4.20E-03	1.51E+00	
360	4250.7	4.19E-03	2.04E-02	1.70E-03	2.06E-01	2.19E-02	1.18E+00	3.17E-03	2.60E-05	2.84E-02	6.68E-04	3.47E-02	3.26E-03	1.51E+00	
360.75	4251.5	5.64E-03	1.86E-02	1.67E-03	2.24E-01	1.64E-02	1.17E+00	3.66E-03	2.73E-05	2.64E-02	6.58E-04	3.30E-02	3.20E-03	1.50E+00	
362.4	4245.5	7.41E-03	1.51E-02	1.47E-03	3.50E-01	6.04E-03	1.01E+00	5.41E-03	2.27E-05	7.55E-02	5.74E-04	2.48E-02	3.92E-03	1.50E+00	
358.5	4248.3	3.52E-03	1.93E-02	1.37E-03	2.94E-01	1.01E-02	1.09E+00	3.53E-03	1.65E-05	4.58E-02	5.91E-04	2.84E-02	3.66E-03	1.50E+00	
358.8	4247.2	2.97E-03	2.97E-02	1.30E-03	2.38E-01	7.31E-03	1.14E+00	3.78E-03	2.07E-05	5.21E-02	7.20E-04	2.54E-02	3.05E-03	1.50E+00	
361.8	4250.3	1.51E-02	1.60E-02	2.34E-03	2.56E-01	2.23E-02	1.11E+00	4.20E-03	3.85E-05	3.96E-02	8.39E-04	3.54E-02	3.66E-03	1.50E+00	
359.4	4250.2	3.55E-03	1.92E-02	1.54E-03	1.97E-01	2.15E-02	1.19E+00	2.97E-03	2.31E-05	2.94E-02	6.16E-04	3.44E-02	3.20E-03	1.50E+00	
361.8	4245.5	1.23E-02	1.57E-02	1.96E-03	3.60E-01	5.21E-03	9.81E-01	5.28E-03	2.88E-05	9.02E-02	7.28E-04	2.39E-02	4.23E-03	1.50E+00	
362.1	4245.5	1.17E-02	1.60E-02	1.83E-03	3.52E-01	5.80E-03	9.93E-01	5.27E-03	2.74E-05	8.51E-02	6.95E-04	2.50E-02	4.17E-03	1.50E+00	
362.2	4249.7	1.10E-02	1.50E-02	2.05E-03	2.73E-01	1.76E-02	1.10E+00	4.96E-03	3.73E-05	3.87E-02	7.35E-04	3.80E-02	3.66E-03	1.50E+00	
361.3	4251	9.48E-03	1.84E-02	2.41E-03	2.42E-01	1.62E-02	1.14E+00	3.95E-03	3.93E-05	3.28E-02	8.68E-04	3.32E-02	3.41E-03	1.50E+00	
361	4246.2	8.64E-03	1.58E-02	1.89E-03	3.39E-01	5.46E-03	9.38E-01	4.46E-03	2.48E-05	1.56E-01	7.01E-04	2.35E-02	4.64E-03	1.50E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
358.6	4247.7	3.09E-03	2.38E-02	1.56E-03	2.69E-01	8.03E-03	1.11E+00	3.73E-03	2.16E-05	4.79E-02	6.72E-04	2.69E-02	3.40E-03	1.50E+00	
359.9	4250.6	4.11E-03	2.10E-02	1.68E-03	2.05E-01	2.26E-02	1.17E+00	3.13E-03	2.56E-05	2.90E-02	6.66E-04	3.44E-02	3.23E-03	1.50E+00	
358.6	4247.8	3.12E-03	2.35E-02	1.55E-03	2.75E-01	8.48E-03	1.11E+00	3.76E-03	2.11E-05	4.20E-02	6.73E-04	2.77E-02	3.51E-03	1.50E+00	
359.2	4246.7	5.20E-03	1.01E-02	6.89E-04	4.25E-01	4.71E-03	9.01E-01	5.05E-03	6.18E-06	1.11E-01	3.10E-04	2.65E-02	5.73E-03	1.49E+00	
359	4247	5.29E-03	1.56E-02	9.31E-04	3.50E-01	5.79E-03	1.00E+00	4.75E-03	1.26E-05	7.73E-02	4.48E-04	2.60E-02	4.58E-03	1.49E+00	
361.1	4246.1	9.55E-03	1.61E-02	1.95E-03	3.45E-01	5.30E-03	9.42E-01	4.62E-03	2.62E-05	1.37E-01	7.24E-04	2.34E-02	4.58E-03	1.49E+00	
360.1	4250.8	4.24E-03	2.01E-02	1.71E-03	2.13E-01	2.15E-02	1.16E+00	3.28E-03	2.63E-05	2.80E-02	6.71E-04	3.52E-02	3.33E-03	1.49E+00	
359	4246.9	5.12E-03	1.32E-02	7.99E-04	3.96E-01	5.28E-03	9.52E-01	4.80E-03	9.67E-06	8.16E-02	3.83E-04	2.57E-02	4.42E-03	1.49E+00	
358.6	4248.8	3.83E-03	2.18E-02	1.26E-03	2.54E-01	1.30E-02	1.10E+00	3.33E-03	1.66E-05	5.66E-02	5.85E-04	3.27E-02	3.82E-03	1.49E+00	
361.5	4245.7	9.89E-03	1.61E-02	1.84E-03	3.56E-01	5.04E-03	9.63E-01	5.14E-03	2.65E-05	9.96E-02	6.92E-04	2.38E-02	4.39E-03	1.49E+00	
358.9	4249.7	3.65E-03	1.94E-02	1.63E-03	2.09E-01	1.71E-02	1.16E+00	3.09E-03	2.41E-05	3.76E-02	6.41E-04	3.22E-02	3.21E-03	1.48E+00	
360.007	4246.511	2.39E-03	2.17E-02	1.05E-03	2.59E-01	5.64E-03	8.99E-01	3.13E-03	1.27E-05	2.61E-01	5.45E-04	2.52E-02	5.35E-03	1.48E+00	
358.6	4247.5	3.06E-03	2.52E-02	1.45E-03	2.73E-01	7.73E-03	1.09E+00	4.36E-03	2.31E-05	4.45E-02	6.69E-04	2.57E-02	3.05E-03	1.48E+00	
358.6	4247.6	3.18E-03	2.54E-02	1.54E-03	2.68E-01	7.79E-03	1.09E+00	3.98E-03	2.29E-05	4.86E-02	6.89E-04	2.67E-02	3.28E-03	1.48E+00	
362.5	4249.3	1.01E-02	1.30E-02	1.86E-03	3.03E-01	1.54E-02	1.05E+00	5.39E-03	3.31E-05	4.16E-02	6.68E-04	3.45E-02	3.70E-03	1.48E+00	
358.8	4249.5	3.68E-03	1.99E-02	1.54E-03	2.13E-01	1.57E-02	1.15E+00	3.10E-03	2.24E-05	4.34E-02	6.36E-04	3.13E-02	3.32E-03	1.48E+00	
359.5	4250.3	3.74E-03	1.96E-02	1.56E-03	1.96E-01	2.16E-02	1.17E+00	3.00E-03	2.38E-05	2.89E-02	6.28E-04	3.43E-02	3.18E-03	1.48E+00	
362.1	4249.9	1.26E-02	1.55E-02	2.13E-03	2.59E-01	1.81E-02	1.08E+00	4.34E-03	3.57E-05	3.91E-02	7.70E-04	3.58E-02	3.63E-03	1.48E+00	
359.7	4246.6	2.66E-03	1.59E-02	7.88E-04	2.70E-01	5.53E-03	9.03E-01	3.45E-03	1.01E-05	2.42E-01	4.00E-04	2.43E-02	4.98E-03	1.47E+00	
359.9	4246.5	2.05E-03	2.00E-02	9.28E-04	2.54E-01	5.51E-03	8.33E-01	3.04E-03	1.11E-05	3.23E-01	4.92E-04	2.45E-02	5.23E-03	1.47E+00	
359	4246.8	6.21E-03	1.16E-02	8.30E-04	4.06E-01	4.86E-03	9.04E-01	4.78E-03	9.78E-06	1.02E-01	3.73E-04	2.55E-02	4.62E-03	1.47E+00	
361.6	4245.6	1.12E-02	1.59E-02	1.93E-03	3.53E-01	5.02E-03	9.54E-01	5.06E-03	2.76E-05	9.44E-02	7.17E-04	2.36E-02	4.30E-03	1.47E+00	
362.5	4245.5	7.51E-03	1.46E-02	1.44E-03	3.37E-01	6.11E-03	9.97E-01	5.28E-03	2.25E-05	7.06E-02	5.58E-04	2.47E-02	3.83E-03	1.47E+00	
358.6	4248.7	3.69E-03	2.05E-02	1.16E-03	2.72E-01	1.26E-02	1.06E+00	3.79E-03	1.62E-05	5.44E-02	5.44E-04	3.24E-02	3.80E-03	1.47E+00	
358.925	4247.049	4.51E-03	1.87E-02	1.02E-03	2.93E-01	6.09E-03	1.03E+00	4.26E-03	1.48E-05	7.59E-02	5.08E-04	2.53E-02	4.04E-03	1.46E+00	
358.8	4249.2	3.80E-03	2.06E-02	1.40E-03	2.43E-01	1.62E-02	1.08E+00	3.43E-03	1.97E-05	5.62E-02	6.08E-04	3.35E-02	3.84E-03	1.46E+00	
362.4	4249.4	8.29E-03	1.29E-02	1.67E-03	2.91E-01	1.67E-02	1.05E+00	5.23E-03	3.01E-05	3.92E-02	6.12E-04	3.49E-02	3.69E-03	1.46E+00	
361.6	4250.7	1.23E-02	1.58E-02	2.45E-03	2.56E-01	1.70E-02	1.08E+00	4.26E-03	4.08E-05	3.61E-02	8.65E-04	3.33E-02	3.50E-03	1.46E+00	
361.7	4250.5	1.42E-02	1.58E-02	2.45E-03	2.59E-01	1.91E-02	1.07E+00	4.24E-03	4.02E-05	3.78E-02	8.69E-04	3.44E-02	3.61E-03	1.46E+00	
362.75	4245.75	7.89E-03	1.48E-02	1.44E-03	3.22E-01	6.59E-03	1.01E+00	5.49E-03	2.46E-05	6.04E-02	5.58E-04	2.44E-02	3.66E-03	1.46E+00	
361.9	4250.2	1.41E-02	1.53E-02	2.24E-03	2.46E-01	2.08E-02	1.08E+00	4.11E-03	3.73E-05	3.92E-02	8.04E-04	3.46E-02	3.54E-03	1.46E+00	
359.6	4250.4	3.95E-03	2.06E-02	1.62E-03	1.96E-01	2.16E-02	1.14E+00	3.01E-03	2.48E-05	2.88E-02	6.53E-04	3.38E-02	3.14E-03	1.46E+00	
359.8	4250.5	4.06E-03	2.15E-02	1.66E-03	2.05E-01	2.32E-02	1.13E+00	3.14E-03	2.53E-05	2.98E-02	6.67E-04	3.46E-02	3.25E-03	1.46E+00	
360.295	4246.592	2.45E-03	1.81E-02	1.09E-03	2.68E-01	6.14E-03	8.14E-01	3.76E-03	1.53E-05	3.10E-01	5.05E-04	2.63E-02	5.56E-03	1.46E+00	
358.8	4247.1	3.53E-03	2.49E-02	1.17E-03	2.46E-01	6.51E-03	1.08E+00	3.79E-03	1.79E-05	6.16E-02	6.23E-04	2.44E-02	3.33E-03	1.45E+00	
362.4	4245.4	7.10E-03	1.47E-02	1.43E-03	3.39E-01	5.69E-03	9.76E-01	5.13E-03	2.17E-05	7.43E-02	5.60E-04	2.37E-02	3.79E-03	1.45E+00	
362.3	4245.4	8.42E-03	1.52E-02	1.55E-03	3.41E-01	5.64E-03	9.69E-01	5.03E-03	2.29E-05	7.74E-02	6.02E-04	2.39E-02	3.88E-03	1.45E+00	
358.5	4248	3.41E-03	2.23E-02	1.43E-03	2.79E-01	9.06E-03	1.05E+00	3.97E-03	2.03E-05	4.74E-02	6.39E-04	2.72E-02	3.62E-03	1.45E+00	
362.3	4249.6	9.51E-03	1.39E-02	1.91E-03	2.74E-01	1.66E-02	1.05E+00	5.16E-03	3.59E-05	3.72E-02	6.83E-04	3.65E-02	3.74E-03	1.45E+00	
360.5	4251.5	4.82E-03	1.74E-02	1.64E-03	2.08E-01	1.72E-02	1.13E+00	3.25E-03	2.56E-05	2.46E-02	6.36E-04	3.31E-02	3.16E-03	1.45E+00	
358.7	4247.2	3.01E-03	2.96E-02	1.36E-03	2.27E-01	7.22E-03	1.10E+00	3.59E-03	2.15E-05	4.83E-02	7.27E-04	2.42E-02	2.86E-03	1.45E+00	
361.7	4245.5	1.17E-02	1.55E-02	1.95E-03	3.48E-01	4.97E-03	9.41E-01	4.99E-03	2.79E-05	8.91E-02	7.19E-04	2.32E-02	4.15E-03	1.45E+00	
361.9	4245.4	1.01E-02	1.51E-02	1.75E-03	3.44E-01	5.10E-03	9.52E-01	5.16E-03	2.63E-05	8.39E-02	6.60E-04	2.31E-02	4.00E-03	1.45E+00	
362	4245.4	8.79E-03	1.52E-02	1.64E-03	3.39E-01	5.29E-03	9.54E-01	5.19E-03	2.51E-05	8.24E-02	6.29E-04	2.35E-02	3.97E-03	1.44E+00	
359.1	4246.7	6.56E-03	1.07E-02	8.35E-04	4.11E-01	4.56E-03	8.86E-01	5.05E-03	1.03E-05	1.05E-01	3.62E-04	2.53E-02	5.21E-03	1.44E+00	
359.562	4246.666	4.59E-03	1.68E-02	8.95E-04	3.12E-01	5.47E-03	8.99E-01	3.68E-03	1.05E-05	1.66E-01	4.41E-04	2.43E-02	5.16E-03	1.44E+00	
359.1	4250	3.61E-03	1.75E-02	1.52E-03	1.96E-01	1.86E-02	1.13E+00	2.93E-03	2.26E-05	3.08E-02	5.85E-04	3.16E-02	3.03E-03	1.44E+00	
362.2	4245.4	9.93E-03	1.53E-02	1.67E-03	3.37E-01	5.57E-03	9.54E-01	4.98E-03	2.47E-05	7.93E-02	6.40E-04	2.39E-02	3.93E-03	1.44E+00	
361.5	4250.9	1.00E-02	1.60E-02	2.20E-03	2.43E-01	1.58E-02	1.07E+00	4.07E-03	3.68E-05	3.40E-02	7.94E-04	3.20E-02	3.33E-03	1.43E+00	
358.5	4247.3	2.42E-03	2.28E-02	1.20E-03	2.59E-01	7.07E-03	1.07E+00	3.59E-03	1.67E-05	4.30E-02	5.92E-04	2.28E-02	2.70E-03	1.43E+00	
359.2	4250.1	3.44E-03	1.75E-02	1.43E-03	1.92E-01	1.90E-02	1.13E+00	2.86E-03	2.12E-05	2.94E-02	5.64E-04	3.18E-02	3.01E-03	1.43E+00	
362.1	4245.4	9.52E-03	1.53E-02	1.67E-03	3.35E-01	5.45E-03	9.49E-01	5.07E-03	2.52E-05	8.07E-02	6.40E-04	2.38E-02	3.95E-03	1.43E+00	
362.2	4249.8	1.15E-02	1.48E-02	2.08E-03	2.58E-01	1.66E-02	1.05E+00	4.53E-03	3.65E-05	3.76E-02	7.40E-04	3.52E-02	3.61E-03	1.43E+00	
358.5	4248.7	3.64E-03	1.97E-02	1.13E-03	2.64E-01	1.14E-02	1.04E+00	3.65E-03	1.56E-05	4.94E-02	5.25E-04	3.01E-02	3.58E-03	1.43E+00	
362	4250.1	1.45E-02	1.51E-02	2.37E-03	2.44E-01	1.89E-02	1.05E+00	4.09E-03	3.97E-05	3.86E-02	8.38E-04	3.40E-02	3.47E-03	1.43E+00	
361.8	4250.4	1.53E-02	1.55E-02	2.49E-03	2.47E-01	2.01E-02	1.05E+00	4.04E-03	4.07E-05	3.80E-02	8.73E-04	3.33E-02	3.49E-03	1.43E+00	
361.4	4251	9.49E-03	1.68E-02	2.27E-03	2.36E-01	1.53E-02	1.07E+00	3.90E-03	3.76E-05	3.27E-02	8.18E-04	3.16E-02	3.27E-03	1.43E+00	
362.5	4245.4	6.62E-03	1.41E-02	1.36E-03	3.29E-01	5.75E-03	9.63E-01	5.12E-03	2.12E-05	7.03E-02	5.32E-04	2.36E-02	3.69E-03	1.42E+00	
359	4249.9	3.62E-03	1.79E-02	1.53E-03	1.97E-01	1.79E-02	1.11E+00	2.95E-03	2.29E-05	3.24E-02	5.93E-04	3.13E-02	3.03E-03	1.42E+00	
358.5	4247.9	3.40E-03	2.30E-02	1.48E-03	2.71E-01	8.52E-03	1.04E+00	3.76E-03	2.06E-05	4.01E-02	6.62E-04	2.70E-02	3.54E-03	1.42E+00	
358.5	4248.2	3.67E-03	2.11E-02	1.51E-03	2.68E-01	9.78E-03	1.03E+00	3.57E-03	2.00E-05	4.48E-02	6.46E-04	2.70E-02	3.38E-03	1.42E+00	
358.8	4249.6	3.58E-03	1.90E-02	1.55E-03	2.04E-01	1.53E-02	1.10E+00	2.98E-03	2.27E-05	4.00E-02	6.26E-04	3.01E-02	3.14E-03	1.42E+00	
358.5	4247.4	2.18E-03	2.15E-02	1.13E-03	2.68E-01	7.12E-03	1.04E+00	4.08E-03	1.72E-05	4.33E-02	5.53E-04	2.34E-02	2.75E-03	1.42E+00	
361.8	4245.4	9.83E-03	1.51E-02	1.75E-03	3.40E-01	4.90E-03	9.26E-01	4.92E-03	2.54E-05	8.42E-02	6.57E-04	2.26E-02	3.97E-03	1.41E+00	
358.9	4247	4.32E-03	1.70E-02	9.22E-04	2.97E-01	5.77E-03	9.83E-01	4.25E-03	1.32E-05	6.82E-02	4.60E-04	2.44E-02	4.05E-03	1.41E+00	
359.3	4250.2	3.37E-03	1.78E-02	1.44E-03	1.87E-01	1.94E-02	1.11E+00	2.80E-03	2.14E-05	2.83E-02	5.73E-04	3.18E-02	2.98E-03	1.41E+00	
360.9	4246.2	7.20E-03	1.41E-02	1.63E-03	3.11E-01	5.31E-03	8.74E-01	4.18E-03	2.19E-05	1.61E-01	6.06E-04	2.19E-02	4.28E-03	1.41E+00	
361.6	4250.8	1.13E-02	1.54E-02	2.32E-03	2.46E-01	1.58E-02	1.04E+00	4.09E-03	3.86E-05	3.48E-02	8.22E-04	3.15E-02	3.33E-03	1.41E+00	
361	4251.5	6.22E-03	1.77E-02	1.77E-03	2.22E-01	1.52E-02	1.08E+00	3.66E-03	2.91E-05	2.72E-02	6.76E-04	3.15E-02	3.13E-03	1.41E+00	
359.8	4250.6	3.96E-03	2.03E-02	1.61E-03	1.92E-01	2.07E-02	1.10E+00	2.95E-03	2.47E-05	2.78E-02	6.41E-04	3.18E-02	3.00E-03	1.40E+00	
362.1	4250	1.21E-02	1.49E-02	2.06E-03	2.45E-01	1.72E-02	1.03E+00	4.07E-03	3.42E-05	3.78E-02	7.43E-04	3.33E-02	3.41E-03	1.40E+00	
358.5	4248.1	3.42E-03	1.98E-02	1.39E-03	2.65E-01	9.46E-03	1.02E+00	3.85E-03	2.02E-05	4.78E-02	5.95E-04	2.62E-02	3.33E-03	1.40E+00	
361.7	4250.6	1.33E-02	1.52E-02	2.38E-03	2.49E-01	1.71E-02	1.03E+00	4.09E-03	3.91E-05	3.63E-02	8.41E-04	3.24E-02	3.43E-03	1.40E+00	
358.7	4247.1	3.79E-03	2.70E-02	1.32E-03	2.27E-01	6.52E-03	1.05E+00	3.57E-03	2.07E-05	5.40E-02	6.85E-04	2.35E-02	3.06E-03	1.40E+00	
358.7	4249.4	3.49E-03	1.83E-02	1.34E-03	2.04E-01	1.42E-02	1.08E+00	2.94E-03	1.92E-05	4.54E-02	5.67E-04	2.91E-02	3.20E-03	1.40E+00	
358.9	4249.8	3.59E-03	1.82E-02	1.59E-03	1.97E-01	1.66E-02	1.09E+00	2.94E-03	2.38E-05	3.43E-02	6.14E-04	3.06E-02	3.02E-03	1.40E+00	
358.6	4247.2	2.91E-03	2.80E-02	1.34E-03	2.20E-01	7.05E-03	1.06E+00	3.38E-03	2.06E-05	4.57E-02	6.99E-04	2.30E-02	2.70E-03	1.40E+00	
359.9	4250.7	4.01E-03	1.98E-02	1.63E-03	1.92E-01	2.01E-02	1.09E+00	2.93E-03	2.49E-05	2.72E-02	6.41E-04	3.18E-02	3.00E-03	1.40E+00	
362.4	4249.5	7.96E-03	1.27E-02	1.65E-03	2.74E-01	1.57E-02	1.00E+00	4.94E-03	2.97E-05	3.70E-02	6.01E-04	3.37E-02	3.54E-03	1.40E+00	
362.4	4245.3	7.44E-03	1.43E-02	1.44E-03	3.26E-01	5.38E-03	9.34E-01	4.85E-03	2.15E-05	7.18E-02	5.61E-04	2.28E-02	3.66E-03	1.39E+00	
359	4246.7	6.80E-03	1.07E-02	8.80E-04	3.90E-01	4.49E-03	8.49E-01	4.82E-03	1.09E-05	9.45E-02	3.79E-04	2.42E-02	4.81E-03	1.39E+00	
359.6	4246.6	3.23E-03	1.58E-02	7.91E-04	2.71E-01	5.35E-03	8.69E-01	3.45E-03	1.01E-05	1.93E-01	4.02E-04	2.29E-02	4.66E-03	1.39E+00	
361.3	4245.8	1.08E-02	1.51E-02	1.93E-03	3.27E-01	4.84E-03	8.93E-01	4.65E-03	2.75E-05	1.06E-01	7.07E-04	2.17E-02	4.07E-03	1.39E+00	
358.9	4246.8	6.06E-03	1.24E-02	8.60E-04	3.70E-01	4.80E-03	8.75E-01	4.46E-03	1.04E-05	8.73E-02	3.92E-04	2.37E-02	4.07E-03	1.39E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
360.1	4250.9	4.07E-03	1.90E-02	1.62E-03	2.01E-01	1.92E-02	1.08E+00	3.10E-03	2.49E-05	2.64E-02	6.34E-04	3.25E-02	3.10E-03	1.39E+00	
359.4	4250.3	3.50E-03	1.81E-02	1.47E-03	1.85E-01	1.95E-02	1.10E+00	2.81E-03	2.24E-05	2.76E-02	5.89E-04	3.18E-02	2.97E-03	1.39E+00	
361.4	4245.7	9.10E-03	1.51E-02	1.77E-03	3.29E-01	4.78E-03	9.00E-01	4.77E-03	2.56E-05	9.85E-02	6.59E-04	2.19E-02	4.03E-03	1.39E+00	
361.9	4250.3	1.37E-02	1.49E-02	2.16E-03	2.36E-01	1.95E-02	1.02E+00	3.92E-03	3.60E-05	3.78E-02	7.75E-04	3.22E-02	3.35E-03	1.39E+00	
363	4248.5	7.49E-03	1.34E-02	1.30E-03	2.90E-01	9.36E-03	9.87E-01	5.10E-03	2.28E-05	4.08E-02	5.12E-04	2.73E-02	3.15E-03	1.39E+00	
362.3	4249.7	9.44E-03	1.39E-02	1.88E-03	2.59E-01	1.56E-02	1.01E+00	4.84E-03	3.51E-05	3.61E-02	6.75E-04	3.45E-02	3.56E-03	1.39E+00	
362.3	4245.3	9.19E-03	1.47E-02	1.58E-03	3.25E-01	5.33E-03	9.22E-01	4.74E-03	2.31E-05	7.38E-02	6.06E-04	2.29E-02	3.72E-03	1.38E+00	
362	4245.3	8.33E-03	1.47E-02	1.59E-03	3.26E-01	4.96E-03	9.17E-01	4.98E-03	2.42E-05	7.85E-02	6.08E-04	2.23E-02	3.77E-03	1.38E+00	
361.5	4245.6	1.02E-02	1.51E-02	1.82E-03	3.29E-01	4.75E-03	8.98E-01	4.81E-03	2.65E-05	9.23E-02	6.74E-04	2.20E-02	4.00E-03	1.38E+00	
358.8	4249.3	3.68E-03	1.93E-02	1.36E-03	2.29E-01	1.62E-02	1.02E+00	3.34E-03	1.98E-05	5.12E-02	5.82E-04	3.25E-02	3.63E-03	1.38E+00	
358.7	4249.1	3.75E-03	1.94E-02	1.32E-03	2.36E-01	1.43E-02	1.01E+00	3.14E-03	1.75E-05	5.80E-02	5.72E-04	3.15E-02	3.70E-03	1.38E+00	
359.7	4250.5	3.92E-03	2.04E-02	1.57E-03	1.94E-01	2.12E-02	1.07E+00	2.98E-03	2.42E-05	2.84E-02	6.35E-04	3.23E-02	3.04E-03	1.38E+00	
358.9	4246.9	5.02E-03	1.42E-02	8.51E-04	3.39E-01	5.22E-03	9.13E-01	4.44E-03	1.12E-05	6.90E-02	4.08E-04	2.37E-02	4.02E-03	1.38E+00	
362.5	4245.3	6.26E-03	1.37E-02	1.32E-03	3.20E-01	5.41E-03	9.29E-01	4.93E-03	2.04E-05	6.88E-02	5.17E-04	2.26E-02	3.57E-03	1.38E+00	
361.9	4245.3	9.68E-03	1.47E-02	1.71E-03	3.28E-01	4.79E-03	9.06E-01	4.85E-03	2.53E-05	7.92E-02	6.40E-04	2.19E-02	3.78E-03	1.38E+00	
358.5	4247.8	2.78E-03	2.16E-02	1.37E-03	2.54E-01	7.95E-03	1.01E+00	3.51E-03	1.89E-05	3.94E-02	6.08E-04	2.54E-02	3.17E-03	1.37E+00	
362.75	4245.5	7.00E-03	1.37E-02	1.30E-03	3.08E-01	6.06E-03	9.45E-01	4.87E-03	2.05E-05	6.11E-02	5.05E-04	2.34E-02	3.51E-03	1.37E+00	
359.5	4250.4	3.72E-03	1.88E-02	1.51E-03	1.85E-01	1.97E-02	1.08E+00	2.85E-03	2.33E-05	2.73E-02	6.07E-04	3.17E-02	2.95E-03	1.37E+00	
362.5	4249.4	9.13E-03	1.23E-02	1.77E-03	2.78E-01	1.47E-02	9.78E-01	4.97E-03	3.16E-05	3.86E-02	6.32E-04	3.19E-02	3.44E-03	1.37E+00	
362.1	4245.3	8.08E-03	1.47E-02	1.55E-03	3.21E-01	5.12E-03	9.13E-01	4.87E-03	2.35E-05	7.69E-02	5.97E-04	2.27E-02	3.76E-03	1.37E+00	
361.6	4245.5	1.14E-02	1.50E-02	1.90E-03	3.28E-01	4.72E-03	8.92E-01	4.75E-03	2.76E-05	8.73E-02	6.98E-04	2.20E-02	3.97E-03	1.37E+00	
362.2	4245.3	9.40E-03	1.48E-02	1.62E-03	3.21E-01	5.25E-03	9.12E-01	4.74E-03	2.39E-05	7.53E-02	6.19E-04	2.29E-02	3.75E-03	1.37E+00	
359.8	4246.5	1.94E-03	1.62E-02	7.85E-04	2.41E-01	5.38E-03	7.69E-01	2.97E-03	9.66E-06	3.05E-01	4.05E-04	2.26E-02	4.81E-03	1.37E+00	
361.2	4245.9	9.37E-03	1.49E-02	1.82E-03	3.18E-01	4.91E-03	8.75E-01	4.41E-03	2.52E-05	1.14E-01	6.70E-04	2.15E-02	4.06E-03	1.37E+00	
362.2	4249.9	1.18E-02	1.44E-02	2.09E-03	2.45E-01	1.57E-02	1.00E+00	4.20E-03	3.57E-05	3.66E-02	7.40E-04	3.28E-02	3.38E-03	1.37E+00	
358.5	4247.7	2.54E-03	2.14E-02	1.32E-03	2.45E-01	7.49E-03	1.01E+00	3.43E-03	1.85E-05	4.66E-02	5.90E-04	2.46E-02	3.10E-03	1.37E+00	
358.5	4247.5	2.46E-03	2.33E-02	1.25E-03	2.49E-01	7.11E-03	1.01E+00	4.00E-03	2.01E-05	4.24E-02	6.01E-04	2.38E-02	2.80E-03	1.37E+00	
363	4248.25	9.73E-03	1.33E-02	1.47E-03	2.97E-01	9.59E-03	9.55E-01	5.40E-03	2.68E-05	4.15E-02	5.63E-04	2.73E-02	3.15E-03	1.36E+00	
358.5	4247.6	2.45E-03	2.27E-02	1.28E-03	2.46E-01	7.21E-03	1.01E+00	3.64E-03	1.90E-05	4.64E-02	5.97E-04	2.46E-02	3.03E-03	1.36E+00	
362.75	4249.25	8.79E-03	1.28E-02	1.49E-03	2.79E-01	1.24E-02	9.70E-01	4.73E-03	2.53E-05	3.98E-02	5.60E-04	3.10E-02	3.35E-03	1.36E+00	
360.8	4246.2	5.08E-03	1.26E-02	1.31E-03	3.02E-01	5.24E-03	8.40E-01	4.19E-03	1.82E-05	1.65E-01	4.98E-04	2.12E-02	4.00E-03	1.36E+00	
360.1	4246.5	2.51E-03	2.28E-02	1.12E-03	2.50E-01	5.61E-03	8.52E-01	3.12E-03	1.40E-05	1.92E-01	5.79E-04	2.54E-02	5.12E-03	1.36E+00	
360	4250.8	3.98E-03	1.89E-02	1.58E-03	1.95E-01	1.95E-02	1.05E+00	2.98E-03	2.42E-05	2.66E-02	6.21E-04	3.18E-02	3.02E-03	1.36E+00	
362.75	4247.25	6.50E-03	1.26E-02	1.35E-03	2.64E-01	9.79E-03	9.76E-01	4.26E-03	2.17E-05	5.06E-02	5.12E-04	2.91E-02	3.44E-03	1.36E+00	
361.8	4250.5	1.42E-02	1.50E-02	2.37E-03	2.38E-01	1.78E-02	9.93E-01	3.90E-03	3.87E-05	3.65E-02	8.33E-04	3.14E-02	3.33E-03	1.36E+00	
360.25	4251.25	3.99E-03	1.73E-02	1.55E-03	1.92E-01	1.68E-02	1.06E+00	2.97E-03	2.40E-05	2.42E-02	6.05E-04	3.04E-02	2.92E-03	1.36E+00	
362	4250.2	1.34E-02	1.45E-02	2.19E-03	2.32E-01	1.79E-02	9.98E-01	3.89E-03	3.68E-05	3.73E-02	7.81E-04	3.17E-02	3.28E-03	1.36E+00	
359.2	4246.6	5.61E-03	9.23E-03	6.96E-04	3.65E-01	4.44E-03	8.23E-01	4.21E-03	8.03E-06	1.13E-01	3.00E-04	2.37E-02	5.15E-03	1.35E+00	
359.1	4246.6	5.68E-03	9.63E-03	7.24E-04	3.79E-01	4.27E-03	8.15E-01	4.61E-03	8.82E-06	1.06E-01	3.15E-04	2.36E-02	5.09E-03	1.35E+00	
358.7	4247	3.81E-03	2.17E-02	1.07E-03	2.40E-01	5.84E-03	9.98E-01	3.54E-03	1.58E-05	5.40E-02	5.55E-04	2.26E-02	3.29E-03	1.35E+00	
358.8	4249.7	3.47E-03	1.81E-02	1.55E-03	1.94E-01	1.50E-02	1.05E+00	2.86E-03	2.28E-05	3.68E-02	6.09E-04	2.89E-02	2.97E-03	1.35E+00	
360.1	4251	4.02E-03	1.82E-02	1.61E-03	1.90E-01	1.73E-02	1.06E+00	2.93E-03	2.47E-05	2.50E-02	6.23E-04	3.03E-02	2.90E-03	1.35E+00	
361.7	4245.4	9.37E-03	1.48E-02	1.72E-03	3.25E-01	4.68E-03	8.83E-01	4.67E-03	2.47E-05	8.31E-02	6.43E-04	2.18E-02	3.86E-03	1.35E+00	
361.6	4250.9	1.02E-02	1.49E-02	2.13E-03	2.36E-01	1.46E-02	1.00E+00	3.93E-03	3.55E-05	3.35E-02	7.63E-04	2.98E-02	3.17E-03	1.35E+00	
361.5	4251	9.24E-03	1.54E-02	2.07E-03	2.31E-01	1.45E-02	1.01E+00	3.87E-03	3.46E-05	3.26E-02	7.49E-04	2.99E-02	3.14E-03	1.35E+00	
361.7	4250.7	1.24E-02	1.47E-02	2.34E-03	2.40E-01	1.55E-02	9.88E-01	3.95E-03	3.84E-05	3.50E-02	8.21E-04	3.06E-02	3.27E-03	1.35E+00	
358.5	4247.2	2.82E-03	2.55E-02	1.30E-03	2.17E-01	6.81E-03	1.02E+00	3.22E-03	1.92E-05	4.31E-02	6.55E-04	2.17E-02	2.55E-03	1.35E+00	
362.4	4249.6	7.85E-03	1.28E-02	1.66E-03	2.62E-01	1.48E-02	9.69E-01	4.80E-03	3.03E-05	3.55E-02	6.01E-04	3.29E-02	3.44E-03	1.35E+00	
360.444	4246.5	2.69E-03	1.28E-02	1.01E-03	2.61E-01	5.77E-03	7.53E-01	3.63E-03	1.40E-05	2.80E-01	4.14E-04	2.15E-02	4.49E-03	1.35E+00	
359.7	4246.5	2.08E-03	1.40E-02	7.04E-04	2.41E-01	5.23E-03	7.81E-01	3.06E-03	8.96E-06	2.71E-01	3.54E-04	2.19E-02	4.46E-03	1.34E+00	
358.9	4246.7	6.76E-03	1.11E-02	9.03E-04	3.70E-01	4.44E-03	8.34E-01	4.44E-03	1.08E-05	8.26E-02	3.92E-04	2.31E-02	4.30E-03	1.34E+00	
361.25	4251.25	7.51E-03	1.76E-02	1.98E-03	2.21E-01	1.39E-02	1.01E+00	3.58E-03	3.22E-05	2.94E-02	7.35E-04	2.94E-02	3.04E-03	1.34E+00	
361.1	4246	7.24E-03	1.46E-02	1.65E-03	3.05E-01	4.99E-03	8.53E-01	4.14E-03	2.24E-05	1.22E-01	6.15E-04	2.12E-02	4.02E-03	1.34E+00	
361	4246.1	8.26E-03	1.43E-02	1.75E-03	2.99E-01	5.10E-03	8.45E-01	3.99E-03	2.34E-05	1.33E-01	6.42E-04	2.11E-02	4.04E-03	1.34E+00	
358.25	4248.5	2.80E-03	1.61E-02	9.99E-04	2.65E-01	8.51E-03	9.71E-01	3.20E-03	1.21E-05	4.09E-02	4.55E-04	2.42E-02	3.04E-03	1.34E+00	
359.1	4250.1	3.44E-03	1.62E-02	1.40E-03	1.83E-01	1.72E-02	1.05E+00	2.72E-03	2.09E-05	2.84E-02	5.42E-04	2.94E-02	2.81E-03	1.34E+00	
358.6	4247.1	3.98E-03	2.68E-02	1.42E-03	2.11E-01	6.46E-03	1.01E+00	3.36E-03	2.26E-05	4.79E-02	7.04E-04	2.24E-02	2.83E-03	1.33E+00	
362.1	4250.1	1.32E-02	1.44E-02	2.18E-03	2.33E-01	1.64E-02	9.80E-01	3.87E-03	3.62E-05	3.65E-02	7.71E-04	3.12E-02	3.22E-03	1.33E+00	
359.383	4246.627	3.72E-03	1.27E-02	6.74E-04	3.19E-01	4.96E-03	8.25E-01	3.76E-03	7.96E-06	1.36E-01	3.35E-04	2.33E-02	5.00E-03	1.33E+00	
362.5	4245.2	6.45E-03	1.35E-02	1.33E-03	3.10E-01	5.11E-03	8.98E-01	4.72E-03	2.03E-05	6.67E-02	5.17E-04	2.16E-02	3.46E-03	1.33E+00	
362.3	4249.8	1.01E-02	1.38E-02	1.95E-03	2.46E-01	1.46E-02	9.68E-01	4.49E-03	3.57E-05	3.53E-02	6.93E-04	3.24E-02	3.37E-03	1.33E+00	
361.8	4245.3	8.18E-03	1.46E-02	1.60E-03	3.19E-01	4.61E-03	8.73E-01	4.60E-03	2.30E-05	7.86E-02	6.04E-04	2.14E-02	3.71E-03	1.33E+00	
362.4	4245.2	7.17E-03	1.39E-02	1.41E-03	3.12E-01	5.09E-03	8.90E-01	4.60E-03	2.08E-05	6.88E-02	5.46E-04	2.18E-02	3.52E-03	1.33E+00	
358.5	4248.8	3.65E-03	1.98E-02	1.15E-03	2.37E-01	1.17E-02	9.68E-01	3.18E-03	1.55E-05	5.10E-02	5.32E-04	2.94E-02	3.47E-03	1.33E+00	
363	4247.5	6.78E-03	1.35E-02	1.41E-03	2.64E-01	9.82E-03	9.52E-01	4.36E-03	2.33E-05	4.40E-02	5.45E-04	2.88E-02	3.30E-03	1.33E+00	
359	4250	3.57E-03	1.65E-02	1.51E-03	1.85E-01	1.68E-02	1.04E+00	2.76E-03	2.26E-05	2.99E-02	5.72E-04	2.91E-02	2.82E-03	1.33E+00	
363	4246.5	8.28E-03	1.49E-02	1.46E-03	2.95E-01	6.72E-03	9.25E-01	5.03E-03	2.49E-05	4.52E-02	5.67E-04	2.21E-02	3.07E-03	1.33E+00	
362	4245.2	7.75E-03	1.43E-02	1.53E-03	3.12E-01	4.67E-03	8.80E-01	4.69E-03	2.30E-05	7.46E-02	5.85E-04	2.12E-02	3.59E-03	1.32E+00	
361.9	4250.4	1.43E-02	1.45E-02	2.30E-03	2.27E-01	1.81E-02	9.72E-01	3.77E-03	3.82E-05	3.85E-02	8.09E-04	3.03E-02	3.20E-03	1.32E+00	
359.2	4250.2	3.30E-03	1.65E-02	1.36E-03	1.79E-01	1.76E-02	1.04E+00	2.66E-03	2.02E-05	2.73E-02	5.36E-04	2.95E-02	2.79E-03	1.32E+00	
362.1	4245.2	7.05E-03	1.42E-02	1.46E-03	3.08E-01	4.82E-03	8.79E-01	4.68E-03	2.22E-05	7.35E-02	5.63E-04	2.15E-02	3.59E-03	1.32E+00	
359.6	4250.5	3.78E-03	1.91E-02	1.49E-03	1.84E-01	1.95E-02	1.03E+00	2.85E-03	2.30E-05	2.71E-02	6.01E-04	3.06E-02	2.88E-03	1.32E+00	
362.3	4245.2	7.79E-03	1.41E-02	1.47E-03	3.09E-01	5.04E-03	8.78E-01	4.52E-03	2.16E-05	7.05E-02	5.68E-04	2.20E-02	3.56E-03	1.32E+00	
359	4246.6	5.32E-03	1.01E-02	7.26E-04	3.71E-01	4.17E-03	7.93E-01	4.67E-03	9.14E-06	9.72E-02	3.23E-04	2.27E-02	4.75E-03	1.31E+00	
359.3	4246.6	4.16E-03	1.08E-02	6.43E-04	3.28E-01	4.68E-03	8.10E-01	3.80E-03	7.46E-06	1.24E-01	3.03E-04	2.27E-02	4.94E-03	1.31E+00	
362.2	4245.2	8.00E-03	1.42E-02	1.51E-03	3.06E-01	4.95E-03	8.74E-01	4.57E-03	2.26E-05	7.21E-02	5.80E-04	2.18E-02	3.58E-03	1.31E+00	
363	4248.75	7.80E-03	1.33E-02	1.34E-03	2.63E-01	1.05E-02	9.40E-01	4.98E-03	2.53E-05	3.79E-02	5.22E-04	2.76E-02	3.09E-03	1.31E+00	
358.6	4249	3.78E-03	1.74E-02	1.21E-03	2.28E-01	1.28E-02	9.54E-01	2.94E-03	1.55E-05	5.59E-02	5.15E-04	3.03E-02	3.59E-03	1.31E+00	
362.2	4250	1.08E-02	1.40E-02	1.93E-03	2.33E-01	1.50E-02	9.59E-01	3.94E-03	3.26E-05	3.56E-02	6.93E-04	3.07E-02	3.19E-03	1.31E+00	
358.9	4249.9	3.50E-03	1.69E-02	1.50E-03	1.85E-01	1.60E-02	1.02E+00	2.77E-03	2.25E-05	3.14E-02	5.76E-04	2.87E-02	2.82E-03	1.31E+00	
359.7	4250.6	3.80E-03	1.92E-02	1.50E-03	1.81E-01	1.90E-02	1.02E+00	2.81E-03	2.32E-05	2.66E-02	6.03E-04	2.96E-02	2.81E-03	1.31E+00	
362.75	4247	7.26E-03	1.34E-02	1.42E-03	2.59E-01	8.59E-03	9.24E-01	4.36E-03	2.38E-05	5.96E-02	5.40E-04	2.51E-02	3.23E-03	1.31E+00	
358.6	4247	3.94E-03	2.35E-02	1.18E-03	2.21E-01	5.86E-03	9.72E-01	3.31E-03	1.76E-05	4.86E-02	6.05E-04	2.17E-02	3.01E-03	1.31E+00	
359.3	4250.3	3.31E-03	1.69E-02	1.39E-03	1.75E-01	1.78E-02	1.03E+00	2.63E-03	2.09E-05	2.66E-02	5.52E-04	2.94E-02	2.77E-03	1.30E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
363	4246.25	7.34E-03	1.49E-02	1.40E-03	2.68E-01	6.39E-03	9.11E-01	4.70E-03	2.28E-05	4.40E-02	5.42E-04	2.21E-02	3.12E-03	1.30E+00	
361.9	4245.2	8.29E-03	1.43E-02	1.58E-03	3.11E-01	4.51E-03	8.60E-01	4.53E-03	2.30E-05	7.47E-02	5.97E-04	2.08E-02	3.56E-03	1.30E+00	
361.7	4250.8	1.12E-02	1.43E-02	2.17E-03	2.32E-01	1.43E-02	9.56E-01	3.82E-03	3.57E-05	3.38E-02	7.69E-04	2.90E-02	3.12E-03	1.30E+00	
362.5	4249.5	8.18E-03	1.20E-02	1.66E-03	2.60E-01	1.40E-02	9.29E-01	4.61E-03	2.94E-05	3.62E-02	5.96E-04	3.06E-02	3.28E-03	1.30E+00	
359.8	4250.7	3.86E-03	1.91E-02	1.56E-03	1.80E-01	1.86E-02	1.02E+00	2.78E-03	2.39E-05	2.61E-02	6.14E-04	2.92E-02	2.78E-03	1.30E+00	
362.4	4249.7	7.96E-03	1.29E-02	1.68E-03	2.52E-01	1.39E-02	9.37E-01	4.65E-03	3.11E-05	3.44E-02	6.08E-04	3.17E-02	3.32E-03	1.30E+00	
361.8	4250.6	1.30E-02	1.44E-02	2.22E-03	2.30E-01	1.59E-02	9.48E-01	3.77E-03	3.64E-05	3.51E-02	7.87E-04	2.97E-02	3.18E-03	1.30E+00	
363	4248	8.80E-03	1.33E-02	1.48E-03	2.71E-01	9.56E-03	9.16E-01	4.64E-03	2.53E-05	4.08E-02	5.85E-04	2.57E-02	2.95E-03	1.30E+00	
363	4245.75	5.86E-03	1.36E-02	1.25E-03	2.79E-01	5.85E-03	9.08E-01	4.91E-03	2.20E-05	5.14E-02	4.91E-04	2.17E-02	3.24E-03	1.29E+00	
359.4	4250.4	3.47E-03	1.72E-02	1.41E-03	1.74E-01	1.79E-02	1.02E+00	2.67E-03	2.16E-05	2.60E-02	5.62E-04	2.95E-02	2.77E-03	1.29E+00	
358.25	4248.75	3.69E-03	1.86E-02	1.15E-03	2.31E-01	9.13E-03	9.58E-01	3.12E-03	1.56E-05	3.93E-02	5.16E-04	2.53E-02	3.03E-03	1.29E+00	
358.7	4249.6	3.34E-03	1.73E-02	1.36E-03	1.88E-01	1.36E-02	9.95E-01	2.75E-03	1.98E-05	3.87E-02	5.57E-04	2.71E-02	2.90E-03	1.29E+00	
361.5	4245.5	1.06E-02	1.42E-02	1.81E-03	3.04E-01	4.49E-03	8.40E-01	4.46E-03	2.67E-05	8.60E-02	6.62E-04	2.03E-02	3.68E-03	1.29E+00	
362	4250.3	1.21E-02	1.39E-02	1.97E-03	2.21E-01	1.70E-02	9.50E-01	3.71E-03	3.29E-05	3.61E-02	7.09E-04	2.97E-02	3.10E-03	1.29E+00	
359.4	4246.6	3.42E-03	1.32E-02	6.75E-04	2.99E-01	4.94E-03	7.94E-01	3.57E-03	8.07E-06	1.44E-01	3.41E-04	2.23E-02	4.69E-03	1.29E+00	
359.9	4250.8	3.80E-03	1.83E-02	1.50E-03	1.81E-01	1.81E-02	1.00E+00	2.76E-03	2.29E-05	2.56E-02	5.92E-04	2.92E-02	2.79E-03	1.29E+00	
360.75	4251.75	5.05E-03	1.63E-02	1.50E-03	1.98E-01	1.34E-02	9.95E-01	3.25E-03	2.46E-05	2.38E-02	5.86E-04	2.77E-02	2.74E-03	1.29E+00	
358.8	4249.8	3.36E-03	1.71E-02	1.47E-03	1.84E-01	1.47E-02	9.99E-01	2.74E-03	2.19E-05	3.36E-02	5.74E-04	2.78E-02	2.81E-03	1.29E+00	
358.8	4246.7	7.10E-03	1.18E-02	9.77E-04	3.44E-01	4.38E-03	8.12E-01	4.10E-03	1.16E-05	7.31E-02	4.22E-04	2.18E-02	3.83E-03	1.28E+00	
363	4245.5	6.49E-03	1.30E-02	1.24E-03	2.81E-01	5.54E-03	8.92E-01	4.86E-03	2.14E-05	5.37E-02	4.84E-04	2.12E-02	3.16E-03	1.28E+00	
361.4	4245.6	8.04E-03	1.41E-02	1.62E-03	3.00E-01	4.52E-03	8.35E-01	4.40E-03	2.38E-05	9.10E-02	6.04E-04	2.01E-02	3.65E-03	1.28E+00	
361.6	4245.4	9.60E-03	1.42E-02	1.71E-03	3.05E-01	4.46E-03	8.37E-01	4.47E-03	2.51E-05	8.15E-02	6.33E-04	2.05E-02	3.65E-03	1.28E+00	
362.75	4245.25	6.95E-03	1.28E-02	1.27E-03	2.69E-01	5.34E-03	8.76E-01	4.59E-03	2.02E-05	6.01E-02	4.90E-04	2.18E-02	3.30E-03	1.28E+00	
358.7	4246.9	4.10E-03	1.71E-02	9.12E-04	2.55E-01	5.22E-03	9.14E-01	3.65E-03	1.30E-05	5.47E-02	4.56E-04	2.15E-02	3.40E-03	1.28E+00	
362.3	4249.9	1.11E-02	1.35E-02	2.05E-03	2.34E-01	1.39E-02	9.32E-01	4.18E-03	3.66E-05	3.45E-02	7.17E-04	3.04E-02	3.19E-03	1.28E+00	
363	4247.75	7.05E-03	1.39E-02	1.44E-03	2.55E-01	1.00E-02	9.16E-01	4.27E-03	2.41E-05	4.16E-02	5.60E-04	2.69E-02	3.06E-03	1.28E+00	
360.2	4246.5	2.45E-03	2.18E-02	1.13E-03	2.46E-01	5.61E-03	7.95E-01	3.22E-03	1.49E-05	1.72E-01	5.66E-04	2.44E-02	5.26E-03	1.28E+00	
358.5	4248.9	3.72E-03	1.83E-02	1.16E-03	2.21E-01	1.17E-02	9.34E-01	2.86E-03	1.50E-05	5.18E-02	5.15E-04	2.87E-02	3.40E-03	1.28E+00	
363	4249	9.36E-03	1.27E-02	1.48E-03	2.48E-01	1.10E-02	9.21E-01	4.42E-03	2.63E-05	3.57E-02	5.58E-04	2.66E-02	2.98E-03	1.27E+00	
363	4246	6.30E-03	1.41E-02	1.29E-03	2.74E-01	6.06E-03	8.95E-01	4.60E-03	2.16E-05	4.59E-02	5.04E-04	2.21E-02	3.19E-03	1.27E+00	
362.5	4245.1	6.00E-03	1.31E-02	1.28E-03	2.98E-01	4.85E-03	8.56E-01	4.49E-03	1.93E-05	6.44E-02	5.00E-04	2.08E-02	3.33E-03	1.27E+00	
361.3	4245.7	8.06E-03	1.39E-02	1.64E-03	2.95E-01	4.58E-03	8.22E-01	4.21E-03	2.35E-05	9.74E-02	6.08E-04	1.99E-02	3.64E-03	1.27E+00	
358.9	4246.6	5.79E-03	1.03E-02	7.93E-04	3.55E-01	4.12E-03	7.75E-01	4.43E-03	9.90E-06	8.83E-02	3.47E-04	2.18E-02	4.32E-03	1.27E+00	
358.5	4249	3.75E-03	1.68E-02	1.17E-03	2.10E-01	1.15E-02	9.41E-01	2.70E-03	1.50E-05	5.08E-02	5.00E-04	2.78E-02	3.30E-03	1.27E+00	
362.1	4250.2	1.28E-02	1.38E-02	2.13E-03	2.21E-01	1.57E-02	9.32E-01	3.70E-03	3.55E-05	3.54E-02	7.51E-04	2.92E-02	3.05E-03	1.27E+00	
358.5	4247.1	3.73E-03	2.57E-02	1.40E-03	1.99E-01	6.37E-03	9.63E-01	3.17E-03	2.23E-05	4.22E-02	6.86E-04	2.12E-02	2.61E-03	1.27E+00	
359.6	4246.5	2.32E-03	1.34E-02	6.71E-04	2.39E-01	5.07E-03	7.78E-01	3.19E-03	8.97E-06	2.02E-01	3.41E-04	2.10E-02	4.19E-03	1.27E+00	
362.4	4245.1	6.48E-03	1.35E-02	1.34E-03	2.97E-01	4.83E-03	8.48E-01	4.38E-03	1.98E-05	6.61E-02	5.22E-04	2.10E-02	3.38E-03	1.27E+00	
361.7	4245.3	7.82E-03	1.42E-02	1.55E-03	3.02E-01	4.42E-03	8.30E-01	4.38E-03	2.25E-05	7.76E-02	5.86E-04	2.05E-02	3.58E-03	1.27E+00	
362.1	4245.1	6.52E-03	1.37E-02	1.40E-03	2.96E-01	4.55E-03	8.45E-01	4.50E-03	2.13E-05	7.02E-02	5.41E-04	2.05E-02	3.42E-03	1.27E+00	
361.6	4251	9.29E-03	1.43E-02	1.98E-03	2.26E-01	1.36E-02	9.34E-01	3.77E-03	3.32E-05	3.23E-02	7.14E-04	2.81E-02	3.01E-03	1.27E+00	
361.9	4250.5	1.35E-02	1.41E-02	2.21E-03	2.20E-01	1.65E-02	9.25E-01	3.63E-03	3.65E-05	3.52E-02	7.77E-04	2.86E-02	3.06E-03	1.26E+00	
362	4245.1	6.71E-03	1.39E-02	1.43E-03	2.98E-01	4.41E-03	8.39E-01	4.43E-03	2.13E-05	7.04E-02	5.50E-04	2.01E-02	3.40E-03	1.26E+00	
359.5	4250.5	3.61E-03	1.75E-02	1.40E-03	1.73E-01	1.80E-02	9.86E-01	2.70E-03	2.18E-05	2.57E-02	5.64E-04	2.90E-02	2.73E-03	1.26E+00	
359.486	4246.561	3.06E-03	1.47E-02	7.18E-04	2.69E-01	5.04E-03	7.82E-01	3.33E-03	8.91E-06	1.58E-01	3.71E-04	2.10E-02	4.30E-03	1.26E+00	
362.2	4245.1	7.25E-03	1.37E-02	1.44E-03	2.93E-01	4.67E-03	8.41E-01	4.43E-03	2.18E-05	6.93E-02	5.53E-04	2.08E-02	3.44E-03	1.26E+00	
362.3	4245.1	7.19E-03	1.36E-02	1.42E-03	2.94E-01	4.77E-03	8.40E-01	4.35E-03	2.10E-05	6.78E-02	5.45E-04	2.10E-02	3.42E-03	1.26E+00	
362.5	4249.6	7.56E-03	1.19E-02	1.60E-03	2.50E-01	1.32E-02	9.00E-01	4.41E-03	2.82E-05	3.44E-02	5.75E-04	3.00E-02	3.19E-03	1.26E+00	
358.7	4249.3	3.48E-03	1.74E-02	1.26E-03	2.10E-01	1.42E-02	9.25E-01	3.01E-03	1.80E-05	4.86E-02	5.33E-04	2.91E-02	3.31E-03	1.26E+00	
362.4	4249.8	9.10E-03	1.29E-02	1.85E-03	2.40E-01	1.31E-02	9.07E-01	4.45E-03	3.44E-05	3.35E-02	6.54E-04	3.01E-02	3.18E-03	1.26E+00	
359.7	4246.4	2.28E-03	1.49E-02	8.07E-04	2.18E-01	4.95E-03	7.41E-01	2.76E-03	1.02E-05	2.45E-01	3.90E-04	2.03E-02	3.94E-03	1.25E+00	
358.7	4249.2	3.57E-03	1.81E-02	1.26E-03	2.16E-01	1.42E-02	9.13E-01	3.05E-03	1.78E-05	5.27E-02	5.42E-04	2.88E-02	3.38E-03	1.25E+00	
360.9	4246.1	6.93E-03	1.28E-02	1.53E-03	2.77E-01	4.97E-03	7.90E-01	3.77E-03	2.08E-05	1.32E-01	5.60E-04	1.98E-02	3.69E-03	1.25E+00	
358.6	4246.9	3.86E-03	1.89E-02	9.63E-04	2.31E-01	5.27E-03	9.15E-01	3.32E-03	1.39E-05	5.00E-02	4.93E-04	2.09E-02	3.13E-03	1.25E+00	
362.2	4250.1	1.16E-02	1.36E-02	1.99E-03	2.22E-01	1.44E-02	9.16E-01	3.73E-03	3.34E-05	3.45E-02	7.07E-04	2.88E-02	3.02E-03	1.25E+00	
361.8	4245.2	7.21E-03	1.41E-02	1.49E-03	2.99E-01	4.36E-03	8.22E-01	4.31E-03	2.14E-05	7.37E-02	5.65E-04	2.02E-02	3.47E-03	1.25E+00	
363	4247.25	5.80E-03	1.18E-02	1.24E-03	2.43E-01	8.93E-03	8.99E-01	3.85E-03	1.97E-05	4.49E-02	4.74E-04	2.63E-02	3.12E-03	1.25E+00	
358.6	4249.1	3.65E-03	1.72E-02	1.21E-03	2.17E-01	1.27E-02	9.07E-01	2.85E-03	1.59E-05	5.30E-02	5.18E-04	2.87E-02	3.39E-03	1.25E+00	
361	4251.75	5.41E-03	1.59E-02	1.58E-03	1.99E-01	1.28E-02	9.53E-01	3.29E-03	2.60E-05	2.47E-02	6.03E-04	2.73E-02	2.75E-03	1.25E+00	
358.5	4247	4.01E-03	2.38E-02	1.25E-03	2.06E-01	5.84E-03	9.35E-01	3.12E-03	1.90E-05	4.35E-02	6.24E-04	2.07E-02	2.77E-03	1.25E+00	
361.8	4250.7	1.22E-02	1.39E-02	2.17E-03	2.23E-01	1.44E-02	9.11E-01	3.65E-03	3.54E-05	3.38E-02	7.64E-04	2.82E-02	3.04E-03	1.25E+00	
361.2	4245.8	8.94E-03	1.37E-02	1.71E-03	2.85E-01	4.64E-03	8.01E-01	3.99E-03	2.39E-05	1.03E-01	6.23E-04	1.96E-02	3.62E-03	1.25E+00	
361.7	4250.9	1.00E-02	1.38E-02	1.98E-03	2.24E-01	1.33E-02	9.14E-01	3.70E-03	3.27E-05	3.27E-02	7.09E-04	2.76E-02	2.98E-03	1.25E+00	
359.6	4246.4	2.35E-03	1.37E-02	7.29E-04	2.21E-01	4.83E-03	7.51E-01	2.89E-03	9.51E-06	2.25E-01	3.57E-04	1.96E-02	3.87E-03	1.24E+00	
359	4250.1	3.41E-03	1.52E-02	1.38E-03	1.73E-01	1.56E-02	9.74E-01	2.59E-03	2.06E-05	2.76E-02	5.24E-04	2.72E-02	2.63E-03	1.24E+00	
360	4250.9	3.79E-03	1.77E-02	1.48E-03	1.84E-01	1.75E-02	9.57E-01	2.82E-03	2.26E-05	2.51E-02	5.81E-04	2.93E-02	2.82E-03	1.24E+00	
359.1	4250.2	3.30E-03	1.53E-02	1.31E-03	1.70E-01	1.60E-02	9.76E-01	2.54E-03	1.96E-05	2.64E-02	5.09E-04	2.73E-02	2.62E-03	1.24E+00	
359	4246.5	5.11E-03	9.38E-03	6.82E-04	3.44E-01	3.90E-03	7.45E-01	4.21E-03	8.34E-06	1.02E-01	3.00E-04	2.11E-02	4.50E-03	1.24E+00	
358.7	4246.8	5.58E-03	1.41E-02	9.33E-04	2.86E-01	4.72E-03	8.35E-01	3.81E-03	1.24E-05	6.54E-02	4.25E-04	2.07E-02	3.32E-03	1.24E+00	
358.7	4249.7	3.25E-03	1.66E-02	1.36E-03	1.80E-01	1.33E-02	9.57E-01	2.65E-03	1.99E-05	3.58E-02	5.47E-04	2.62E-02	2.76E-03	1.24E+00	
359.6	4250.6	3.69E-03	1.79E-02	1.42E-03	1.72E-01	1.76E-02	9.65E-01	2.68E-03	2.22E-05	2.54E-02	5.71E-04	2.81E-02	2.66E-03	1.24E+00	
359.1	4246.5	4.11E-03	8.73E-03	5.83E-04	3.30E-01	4.04E-03	7.49E-01	3.88E-03	6.85E-06	1.10E-01	2.62E-04	2.11E-02	4.52E-03	1.24E+00	
358.8	4246.6	6.65E-03	1.06E-02	9.29E-04	3.37E-01	4.08E-03	7.67E-01	4.12E-03	1.13E-05	7.77E-02	3.96E-04	2.09E-02	3.96E-03	1.23E+00	
362	4250.4	1.30E-02	1.35E-02	2.11E-03	2.13E-01	1.61E-02	9.05E-01	3.55E-03	3.53E-05	3.49E-02	7.44E-04	2.79E-02	2.95E-03	1.23E+00	
359.8	4246.4	1.98E-03	1.75E-02	8.46E-04	2.23E-01	5.07E-03	7.43E-01	2.76E-03	1.05E-05	2.10E-01	4.36E-04	2.08E-02	4.05E-03	1.23E+00	
361.9	4245.1	6.55E-03	1.39E-02	1.42E-03	2.93E-01	4.27E-03	8.13E-01	4.23E-03	2.05E-05	7.00E-02	5.44E-04	1.97E-02	3.35E-03	1.23E+00	
363	4246.75	7.11E-03	1.32E-02	1.34E-03	2.55E-01	7.09E-03	8.61E-01	4.33E-03	2.27E-05	5.45E-02	5.14E-04	2.17E-02	2.98E-03	1.23E+00	
362.3	4250	1.01E-02	1.31E-02	1.87E-03	2.23E-01	1.33E-02	8.97E-01	3.89E-03	3.27E-05	3.36E-02	6.66E-04	2.85E-02	3.01E-03	1.23E+00	
358.9	4250	3.46E-03	1.57E-02	1.47E-03	1.74E-01	1.51E-02	9.56E-01	2.61E-03	2.21E-05	2.89E-02	5.52E-04	2.68E-02	2.63E-03	1.23E+00	
358.6	4249.5	3.25E-03	1.61E-02	1.22E-03	1.81E-01	1.24E-02	9.40E-01	2.62E-03	1.76E-05	4.05E-02	5.09E-04	2.55E-02	2.81E-03	1.23E+00	
359.2	4250.3	3.22E-03	1.57E-02	1.32E-03	1.67E-01	1.63E-02	9.64E-01	2.49E-03	1.97E-05	2.56E-02	5.18E-04	2.74E-02	2.60E-03	1.23E+00	
360	4251	3.77E-03	1.71E-02	1.48E-03	1.75E-01	1.58E-02	9.55E-01	2.67E-03	2.26E-05	2.39E-02	5.76E-04	2.75E-02	2.65E-03	1.22E+00	
358.7	4246.7	6.86E-03	1.23E-02	9.82E-04	3.13E-01	4.33E-03	7.95E-01	3.85E-03	1.21E-05	6.45E-02	4.23E-04	2.05E-02	3.42E-03	1.22E+00	
358.5	4246.9	3.77E-03	2.05E-02	1.02E-03	2.13E-01	5.31E-03	9.06E-01	3.06E-03	1.47E-05	4.63E-02	5.28E-04	2.02E-02	2.91E-03	1.22E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
362.5	4249.7	7.23E-03	1.19E-02	1.57E-03	2.42E-01	1.25E-02	8.75E-01	4.34E-03	2.81E-05	3.31E-02	5.65E-04	2.91E-02	3.10E-03	1.22E+00	
359.7	4250.7	3.76E-03	1.82E-02	1.48E-03	1.70E-01	1.71E-02	9.50E-01	2.63E-03	2.30E-05	2.50E-02	5.87E-04	2.73E-02	2.60E-03	1.22E+00	
358.25	4247.25	3.05E-03	1.82E-02	1.34E-03	2.30E-01	5.92E-03	8.95E-01	3.16E-03	1.85E-05	3.93E-02	5.65E-04	1.91E-02	2.32E-03	1.22E+00	
362.5	4245	5.70E-03	1.28E-02	1.25E-03	2.87E-01	4.63E-03	8.16E-01	4.26E-03	1.86E-05	6.21E-02	4.86E-04	1.99E-02	3.22E-03	1.22E+00	
359.3	4250.4	3.23E-03	1.59E-02	1.31E-03	1.64E-01	1.64E-02	9.58E-01	2.49E-03	1.99E-05	2.50E-02	5.21E-04	2.75E-02	2.59E-03	1.22E+00	
363	4245.25	5.85E-03	1.23E-02	1.13E-03	2.72E-01	5.13E-03	8.38E-01	4.30E-03	1.78E-05	5.37E-02	4.42E-04	2.03E-02	3.02E-03	1.22E+00	
361.1	4245.9	7.08E-03	1.34E-02	1.54E-03	2.73E-01	4.71E-03	7.79E-01	3.74E-03	2.11E-05	1.10E-01	5.69E-04	1.94E-02	3.58E-03	1.22E+00	
358.9	4248.5	5.96E-03	9.72E-03	7.96E-04	3.36E-01	3.83E-03	7.31E-01	4.32E-03	1.02E-05	9.79E-02	3.42E-04	2.06E-02	4.32E-03	1.21E+00	
362.2	4245	6.59E-03	1.32E-02	1.38E-03	2.82E-01	4.41E-03	8.12E-01	4.29E-03	2.10E-05	6.64E-02	5.29E-04	1.98E-02	3.29E-03	1.21E+00	
362.1	4245	5.93E-03	1.33E-02	1.34E-03	2.84E-01	4.29E-03	8.10E-01	4.30E-03	2.02E-05	6.67E-02	5.17E-04	1.95E-02	3.27E-03	1.21E+00	
362.4	4245	6.55E-03	1.30E-02	1.34E-03	2.84E-01	4.59E-03	8.11E-01	4.20E-03	1.97E-05	6.41E-02	5.15E-04	2.01E-02	3.26E-03	1.21E+00	
359.8	4250.8	3.70E-03	1.78E-02	1.45E-03	1.70E-01	1.68E-02	9.46E-01	2.59E-03	2.22E-05	2.46E-02	5.74E-04	2.71E-02	2.60E-03	1.21E+00	
360	4246.4	2.12E-03	1.80E-02	8.97E-04	2.30E-01	5.22E-03	7.86E-01	2.84E-03	1.11E-05	1.39E-01	4.60E-04	2.14E-02	4.25E-03	1.21E+00	
358.8	4249.9	3.24E-03	1.60E-02	1.36E-03	1.73E-01	1.43E-02	9.39E-01	2.61E-03	2.05E-05	3.06E-02	5.32E-04	2.63E-02	2.63E-03	1.21E+00	
362.3	4245	6.64E-03	1.31E-02	1.36E-03	2.82E-01	4.52E-03	8.08E-01	4.22E-03	2.04E-05	6.56E-02	5.23E-04	2.01E-02	3.29E-03	1.21E+00	
360.8	4246.1	4.99E-03	1.16E-02	1.24E-03	2.70E-01	4.89E-03	7.60E-01	3.77E-03	1.73E-05	1.29E-01	4.64E-04	1.92E-02	3.43E-03	1.21E+00	
362.1	4250.3	1.12E-02	1.31E-02	1.87E-03	2.11E-01	1.49E-02	8.87E-01	3.54E-03	3.13E-05	3.43E-02	6.72E-04	2.74E-02	2.89E-03	1.21E+00	
358.25	4248.25	3.12E-03	1.69E-02	1.20E-03	2.35E-01	8.05E-03	8.76E-01	3.09E-03	1.58E-05	3.76E-02	5.15E-04	2.25E-02	2.84E-03	1.21E+00	
360.5	4251.75	4.35E-03	1.48E-02	1.45E-03	1.82E-01	1.35E-02	9.36E-01	2.88E-03	2.30E-05	2.20E-02	5.57E-04	2.71E-02	2.66E-03	1.21E+00	
362.4	4249.9	9.84E-03	1.27E-02	1.93E-03	2.27E-01	1.24E-02	8.74E-01	4.19E-03	3.56E-05	3.27E-02	6.72E-04	2.83E-02	3.02E-03	1.21E+00	
361.9	4250.6	1.23E-02	1.36E-02	2.04E-03	2.13E-01	1.49E-02	8.82E-01	3.51E-03	3.37E-05	3.39E-02	7.26E-04	2.72E-02	2.93E-03	1.21E+00	
361	4246	6.40E-03	1.30E-02	1.49E-03	2.67E-01	4.80E-03	7.70E-01	3.62E-03	2.01E-05	1.16E-01	5.50E-04	1.93E-02	3.56E-03	1.21E+00	
360.4	4246.5	2.44E-03	1.29E-02	9.60E-04	2.29E-01	4.99E-03	6.93E-01	3.16E-03	1.33E-05	2.35E-01	4.04E-04	1.95E-02	4.04E-03	1.21E+00	
358.6	4246.8	4.87E-03	1.55E-02	9.30E-04	2.50E-01	4.74E-03	8.42E-01	3.48E-03	1.30E-05	5.79E-02	4.39E-04	1.99E-02	3.07E-03	1.20E+00	
361.25	4251.5	6.53E-03	1.61E-02	1.79E-03	2.00E-01	1.16E-02	9.07E-01	3.25E-03	2.90E-05	2.67E-02	6.65E-04	2.56E-02	2.70E-03	1.20E+00	
361.5	4245.4	8.98E-03	1.34E-02	1.63E-03	2.80E-01	4.25E-03	7.86E-01	4.18E-03	2.43E-05	7.99E-02	6.01E-04	1.88E-02	3.37E-03	1.20E+00	
359.4	4250.5	3.40E-03	1.62E-02	1.32E-03	1.63E-01	1.65E-02	9.42E-01	2.54E-03	2.05E-05	2.46E-02	5.28E-04	2.74E-02	2.58E-03	1.20E+00	
359.5	4246.5	2.60E-03	1.37E-02	6.70E-04	2.44E-01	4.92E-03	7.48E-01	3.16E-03	8.69E-06	1.61E-01	3.45E-04	1.98E-02	4.00E-03	1.20E+00	
362.75	4245	5.63E-03	1.21E-02	1.17E-03	2.75E-01	4.72E-03	8.17E-01	4.31E-03	1.84E-05	5.66E-02	4.55E-04	1.95E-02	3.07E-03	1.20E+00	
361.6	4245.3	7.76E-03	1.34E-02	1.53E-03	2.83E-01	4.23E-03	7.87E-01	4.18E-03	2.26E-05	7.65E-02	5.69E-04	1.91E-02	3.36E-03	1.20E+00	
361.8	4250.8	1.07E-02	1.33E-02	1.95E-03	2.17E-01	1.32E-02	8.78E-01	3.53E-03	3.18E-05	3.27E-02	6.95E-04	2.68E-02	2.91E-03	1.20E+00	
362	4245	5.99E-03	1.35E-02	1.35E-03	2.83E-01	4.17E-03	7.96E-01	4.18E-03	2.00E-05	6.65E-02	5.22E-04	1.91E-02	3.22E-03	1.20E+00	
359.9	4246.4	1.91E-03	1.75E-02	8.39E-04	2.32E-01	5.16E-03	7.58E-01	2.83E-03	1.03E-05	1.51E-01	4.38E-04	2.19E-02	4.20E-03	1.20E+00	
358.7	4246.6	6.20E-03	1.11E-02	8.90E-04	3.19E-01	4.03E-03	7.58E-01	3.82E-03	1.06E-05	6.85E-02	3.85E-04	1.99E-02	3.57E-03	1.20E+00	
362.2	4250.2	1.20E-02	1.31E-02	2.02E-03	2.12E-01	1.38E-02	8.73E-01	3.55E-03	3.38E-05	3.34E-02	7.10E-04	2.71E-02	2.86E-03	1.19E+00	
361.4	4245.5	8.79E-03	1.32E-02	1.62E-03	2.75E-01	4.30E-03	7.77E-01	4.04E-03	2.38E-05	8.42E-02	5.95E-04	1.86E-02	3.33E-03	1.19E+00	
361.7	4245.2	6.56E-03	1.35E-02	1.41E-03	2.82E-01	4.19E-03	7.81E-01	4.13E-03	2.07E-05	7.28E-02	5.36E-04	1.92E-02	3.31E-03	1.19E+00	
358.25	4248	3.18E-03	1.74E-02	1.25E-03	2.33E-01	7.55E-03	8.59E-01	3.42E-03	1.84E-05	3.81E-02	5.32E-04	2.22E-02	3.00E-03	1.19E+00	
360.1	4246.4	2.30E-03	1.99E-02	1.01E-03	2.28E-01	5.22E-03	7.67E-01	2.86E-03	1.28E-05	1.35E-01	5.14E-04	2.20E-02	4.22E-03	1.19E+00	
361.7	4251	9.38E-03	1.34E-02	1.91E-03	2.16E-01	1.25E-02	8.69E-01	3.58E-03	3.16E-05	3.17E-02	6.84E-04	2.62E-02	2.86E-03	1.19E+00	
363	4249.25	8.39E-03	1.22E-02	1.40E-03	2.39E-01	1.02E-02	8.46E-01	4.23E-03	2.48E-05	3.53E-02	5.26E-04	2.64E-02	2.93E-03	1.19E+00	
358.7	4249.8	3.11E-03	1.59E-02	1.30E-03	1.72E-01	1.30E-02	9.16E-01	2.55E-03	1.93E-05	3.30E-02	5.21E-04	2.53E-02	2.63E-03	1.19E+00	
361.5	4251.25	8.01E-03	1.43E-02	1.88E-03	2.07E-01	1.18E-02	8.81E-01	3.42E-03	3.12E-05	2.94E-02	6.78E-04	2.58E-02	2.76E-03	1.19E+00	
359.2	4246.5	4.11E-03	9.32E-03	6.03E-04	2.93E-01	4.24E-03	7.25E-01	3.50E-03	7.20E-06	1.18E-01	2.73E-04	2.03E-02	4.21E-03	1.18E+00	
358.6	4249.6	3.14E-03	1.55E-02	1.20E-03	1.74E-01	1.21E-02	9.07E-01	2.54E-03	1.74E-05	3.75E-02	4.95E-04	2.47E-02	2.68E-03	1.18E+00	
362.5	4249.8	7.31E-03	1.18E-02	1.59E-03	2.32E-01	1.19E-02	8.49E-01	4.27E-03	2.93E-05	3.22E-02	5.69E-04	2.78E-02	2.98E-03	1.18E+00	
358.8	4246.5	6.24E-03	9.76E-03	8.68E-04	3.24E-01	3.80E-03	7.20E-01	4.15E-03	1.11E-05	8.78E-02	3.67E-04	1.98E-02	4.03E-03	1.18E+00	
358.5	4249.3	3.32E-03	1.56E-02	1.17E-03	1.81E-01	1.12E-02	8.93E-01	2.48E-03	1.59E-05	4.37E-02	4.90E-04	2.45E-02	2.82E-03	1.18E+00	
362	4250.5	1.28E-02	1.32E-02	2.08E-03	2.05E-01	1.50E-02	8.63E-01	3.41E-03	3.47E-05	3.38E-02	7.29E-04	2.63E-02	2.82E-03	1.18E+00	
359.5	4246.4	2.77E-03	1.35E-02	7.21E-04	2.19E-01	4.70E-03	7.22E-01	2.93E-03	9.66E-06	1.89E-01	3.54E-04	1.86E-02	3.69E-03	1.18E+00	
361.8	4245.1	6.18E-03	1.35E-02	1.37E-03	2.80E-01	4.13E-03	7.75E-01	4.05E-03	1.98E-05	6.93E-02	5.23E-04	1.90E-02	3.25E-03	1.18E+00	
359.5	4250.6	3.56E-03	1.66E-02	1.35E-03	1.63E-01	1.63E-02	9.18E-01	2.55E-03	2.10E-05	2.43E-02	5.40E-04	2.68E-02	2.54E-03	1.18E+00	
362.3	4250.1	9.92E-03	1.27E-02	1.81E-03	2.13E-01	1.27E-02	8.59E-01	3.64E-03	3.09E-05	3.26E-02	6.43E-04	2.69E-02	2.85E-03	1.18E+00	
362.75	4249.5	7.34E-03	1.07E-02	1.43E-03	2.47E-01	1.08E-02	8.26E-01	4.39E-03	2.53E-05	3.59E-02	5.13E-04	2.55E-02	2.87E-03	1.17E+00	
358.6	4246.7	5.56E-03	1.28E-02	8.91E-04	2.80E-01	4.31E-03	7.86E-01	3.59E-03	1.14E-05	5.73E-02	3.97E-04	1.94E-02	3.07E-03	1.17E+00	
358.5	4246.8	4.14E-03	1.71E-02	9.18E-04	2.22E-01	4.80E-03	8.45E-01	3.15E-03	1.30E-05	5.20E-02	4.56E-04	1.92E-02	2.87E-03	1.17E+00	
362.2	4244.9	6.10E-03	1.28E-02	1.33E-03	2.73E-01	4.17E-03	7.82E-01	4.15E-03	2.01E-05	6.35E-02	5.09E-04	1.89E-02	3.15E-03	1.17E+00	
358.6	4249.2	3.46E-03	1.65E-02	1.18E-03	2.03E-01	1.26E-02	8.50E-01	2.77E-03	1.62E-05	4.94E-02	5.03E-04	2.71E-02	3.18E-03	1.17E+00	
358.6	4249.3	3.35E-03	1.60E-02	1.18E-03	1.95E-01	1.26E-02	8.61E-01	2.73E-03	1.65E-05	4.63E-02	4.97E-04	2.64E-02	3.05E-03	1.17E+00	
362.3	4244.9	6.03E-03	1.26E-02	1.30E-03	2.72E-01	4.28E-03	7.80E-01	4.09E-03	1.95E-05	6.34E-02	5.00E-04	1.92E-02	3.16E-03	1.17E+00	
361.3	4245.6	6.96E-03	1.30E-02	1.49E-03	2.67E-01	4.35E-03	7.58E-01	3.85E-03	2.15E-05	8.87E-02	5.53E-04	1.83E-02	3.29E-03	1.17E+00	
362.4	4244.9	6.15E-03	1.26E-02	1.29E-03	2.73E-01	4.37E-03	7.79E-01	4.03E-03	1.91E-05	6.24E-02	4.97E-04	1.93E-02	3.14E-03	1.17E+00	
362.5	4244.9	5.55E-03	1.24E-02	1.23E-03	2.75E-01	4.42E-03	7.80E-01	4.04E-03	1.80E-05	6.03E-02	4.75E-04	1.92E-02	3.10E-03	1.17E+00	
358.5	4249.1	3.59E-03	1.57E-02	1.14E-03	2.00E-01	1.13E-02	8.52E-01	2.60E-03	1.48E-05	4.84E-02	4.81E-04	2.63E-02	3.11E-03	1.17E+00	
359	4250.2	3.32E-03	1.42E-02	1.31E-03	1.62E-01	1.46E-02	9.12E-01	2.43E-03	1.97E-05	2.57E-02	4.97E-04	2.55E-02	2.47E-03	1.16E+00	
361.9	4245	6.20E-03	1.34E-02	1.36E-03	2.75E-01	4.05E-03	7.67E-01	3.99E-03	1.98E-05	6.60E-02	5.23E-04	1.87E-02	3.16E-03	1.16E+00	
358.6	4249.4	3.26E-03	1.56E-02	1.18E-03	1.88E-01	1.26E-02	8.64E-01	2.68E-03	1.68E-05	4.34E-02	4.91E-04	2.58E-02	2.93E-03	1.16E+00	
362.1	4244.9	5.56E-03	1.30E-02	1.29E-03	2.73E-01	4.06E-03	7.73E-01	4.10E-03	1.94E-05	6.32E-02	4.99E-04	1.86E-02	3.11E-03	1.16E+00	
361.9	4250.7	1.13E-02	1.30E-02	1.91E-03	2.07E-01	1.35E-02	8.47E-01	3.39E-03	3.14E-05	3.27E-02	6.82E-04	2.59E-02	2.81E-03	1.16E+00	
360.298	4246.497	2.33E-03	1.61E-02	1.00E-03	2.23E-01	5.64E-03	7.01E-01	3.21E-03	1.44E-05	1.78E-01	4.58E-04	2.16E-02	3.91E-03	1.16E+00	
358.9	4250.1	3.39E-03	1.45E-02	1.39E-03	1.64E-01	1.42E-02	9.02E-01	2.46E-03	2.09E-05	2.68E-02	5.19E-04	2.52E-02	2.47E-03	1.16E+00	
362.4	4250	9.23E-03	1.23E-02	1.79E-03	2.15E-01	1.19E-02	8.41E-01	3.88E-03	3.23E-05	3.19E-02	6.31E-04	2.66E-02	2.85E-03	1.16E+00	
359.1	4250.3	3.23E-03	1.45E-02	1.29E-03	1.59E-01	1.49E-02	9.07E-01	2.38E-03	1.93E-05	2.47E-02	4.97E-04	2.55E-02	2.45E-03	1.16E+00	
362.1	4250.4	1.17E-02	1.27E-02	1.92E-03	2.02E-01	1.42E-02	8.46E-01	3.38E-03	3.23E-05	3.33E-02	6.82E-04	2.59E-02	2.76E-03	1.15E+00	
360	4246.3	2.69E-03	1.91E-02	1.01E-03	2.13E-01	4.89E-03	7.75E-01	2.64E-03	1.25E-05	1.12E-01	5.03E-04	1.98E-02	3.65E-03	1.15E+00	
359.9	4250.9	3.61E-03	1.71E-02	1.39E-03	1.71E-01	1.64E-02	8.87E-01	2.60E-03	2.12E-05	2.42E-02	5.50E-04	2.70E-02	2.61E-03	1.15E+00	
359.4	4246.5	2.79E-03	1.29E-02	6.41E-04	2.56E-01	4.72E-03	7.11E-01	3.14E-03	7.88E-06	1.38E-01	3.29E-04	1.97E-02	3.96E-03	1.15E+00	
363.25	4248.5	7.86E-03	1.15E-02	1.28E-03	2.41E-01	7.75E-03	8.17E-01	4.34E-03	2.30E-05	3.61E-02	4.87E-04	2.28E-02	2.63E-03	1.15E+00	
359.6	4250.7	3.66E-03	1.70E-02	1.40E-03	1.62E-01	1.59E-02	8.97E-01	2.52E-03	2.19E-05	2.40E-02	5.57E-04	2.58E-02	2.47E-03	1.15E+00	
363	4247	6.41E-03	1.16E-02	1.26E-03	2.23E-01	7.65E-03	8.19E-01	3.61E-03	2.03E-05	5.16E-02	4.75E-04	2.30E-02	2.90E-03	1.15E+00	
358.6	4246.6	5.31E-03	1.14E-02	8.12E-04	2.95E-01	3.98E-03	7.45E-01	3.57E-03	9.83E-06	6.21E-02	3.61E-04	1.89E-02	3.23E-03	1.15E+00	
358.25	4247.5	2.19E-03	1.87E-02	1.08E-03	2.12E-01	5.97E-03	8.44E-01	3.28E-03	1.67E-05	3.75E-02	5.00E-04	2.03E-02	2.41E-03	1.15E+00	
358.5	4249.4	3.20E-03	1.50E-02	1.14E-03	1.75E-01	1.13E-02	8.71E-01	2.44E-03	1.60E-05	4.16E-02	4.75E-04	2.38E-02	2.72E-03	1.15E+00	
358.9	4246.4	5.00E-03	9.25E-03	6.77E-04	3.13E-01	3.59E-03	6.92E-01	3.94E-03	8.50E-06	9.55E-02	2.98E-04	1.92E-02	4.09E-03	1.15E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
358.25	4247.75	2.57E-03	1.79E-02	1.20E-03	2.11E-01	6.66E-03	8.39E-01	2.98E-03	1.69E-05	3.99E-02	5.23E-04	2.08E-02	2.58E-03	1.15E+00	
359.3	4246.5	3.33E-03	1.14E-02	6.21E-04	2.66E-01	4.48E-03	7.09E-01	3.25E-03	7.59E-06	1.24E-01	3.04E-04	1.98E-02	3.97E-03	1.15E+00	
358.7	4246.5	6.10E-03	1.00E-02	8.79E-04	3.10E-01	3.76E-03	7.10E-01	3.83E-03	1.08E-05	7.75E-02	3.72E-04	1.90E-02	3.64E-03	1.15E+00	
359.2	4250.4	3.13E-03	1.50E-02	1.27E-03	1.56E-01	1.50E-02	8.98E-01	2.34E-03	1.90E-05	2.41E-02	4.98E-04	2.55E-02	2.43E-03	1.14E+00	
360.25	4251.5	3.59E-03	1.49E-02	1.38E-03	1.69E-01	1.31E-02	8.89E-01	2.63E-03	2.15E-05	2.14E-02	5.34E-04	2.52E-02	2.47E-03	1.14E+00	
363.25	4245.5	5.25E-03	1.21E-02	1.12E-03	2.44E-01	5.02E-03	8.00E-01	4.25E-03	1.95E-05	4.68E-02	4.38E-04	1.90E-02	2.82E-03	1.14E+00	
361.8	4250.9	9.94E-03	1.28E-02	1.86E-03	2.10E-01	1.22E-02	8.29E-01	3.43E-03	3.04E-05	3.17E-02	6.64E-04	2.55E-02	2.79E-03	1.14E+00	
361.2	4245.7	6.77E-03	1.27E-02	1.46E-03	2.58E-01	4.40E-03	7.38E-01	3.63E-03	2.06E-05	9.31E-02	5.41E-04	1.81E-02	3.25E-03	1.14E+00	
363.25	4248.75	6.80E-03	1.16E-02	1.17E-03	2.33E-01	8.77E-03	8.13E-01	4.06E-03	2.04E-05	3.49E-02	4.56E-04	2.29E-02	2.65E-03	1.14E+00	
358.6	4249.7	3.03E-03	1.50E-02	1.17E-03	1.68E-01	1.18E-02	8.76E-01	2.45E-03	1.71E-05	3.47E-02	4.81E-04	2.38E-02	2.56E-03	1.14E+00	
362.2	4250.3	1.08E-02	1.25E-02	1.83E-03	2.03E-01	1.32E-02	8.33E-01	3.40E-03	3.08E-05	3.24E-02	6.51E-04	2.55E-02	2.71E-03	1.14E+00	
362	4244.9	6.33E-03	1.32E-02	1.37E-03	2.69E-01	3.96E-03	7.55E-01	3.95E-03	2.00E-05	6.30E-02	5.21E-04	1.82E-02	3.06E-03	1.14E+00	
358.8	4250	3.26E-03	1.49E-02	1.36E-03	1.64E-01	1.37E-02	8.82E-01	2.47E-03	2.05E-05	2.81E-02	5.17E-04	2.48E-02	2.46E-03	1.14E+00	
359.3	4250.5	3.19E-03	1.51E-02	1.25E-03	1.54E-01	1.51E-02	8.94E-01	2.37E-03	1.92E-05	2.36E-02	4.99E-04	2.57E-02	2.43E-03	1.14E+00	
359.7	4250.8	3.63E-03	1.71E-02	1.40E-03	1.60E-01	1.56E-02	8.84E-01	2.47E-03	2.15E-05	2.37E-02	5.53E-04	2.52E-02	2.43E-03	1.14E+00	
362.5	4249.9	7.88E-03	1.18E-02	1.67E-03	2.20E-01	1.13E-02	8.18E-01	4.09E-03	3.11E-05	3.13E-02	5.91E-04	2.63E-02	2.84E-03	1.14E+00	
360.9	4246	6.08E-03	1.17E-02	1.38E-03	2.51E-01	4.67E-03	7.23E-01	3.45E-03	1.90E-05	1.11E-01	5.06E-04	1.82E-02	3.25E-03	1.14E+00	
363.25	4248.25	7.85E-03	1.15E-02	1.28E-03	2.46E-01	7.73E-03	7.98E-01	4.26E-03	2.22E-05	3.50E-02	4.85E-04	2.22E-02	2.58E-03	1.13E+00	
363.25	4245.75	6.03E-03	1.24E-02	1.19E-03	2.42E-01	5.24E-03	7.90E-01	4.09E-03	2.02E-05	4.48E-02	4.61E-04	1.92E-02	2.84E-03	1.13E+00	
362	4250.6	1.18E-02	1.28E-02	1.95E-03	1.98E-01	1.39E-02	8.25E-01	3.29E-03	3.23E-05	3.26E-02	6.88E-04	2.50E-02	2.71E-03	1.13E+00	
358.5	4246.7	4.54E-03	1.41E-02	8.43E-04	2.45E-01	4.34E-03	7.82E-01	3.33E-03	1.14E-05	5.09E-02	3.99E-04	1.85E-02	2.82E-03	1.13E+00	
358.8	4246.4	5.84E-03	9.30E-03	7.88E-04	3.09E-01	3.54E-03	6.81E-01	4.02E-03	1.03E-05	9.10E-02	3.36E-04	1.87E-02	3.96E-03	1.13E+00	
362.3	4244.8	6.04E-03	1.23E-02	1.29E-03	2.63E-01	4.07E-03	7.53E-01	3.94E-03	1.93E-05	6.09E-02	4.92E-04	1.83E-02	3.03E-03	1.13E+00	
362.3	4250.2	1.08E-02	1.23E-02	1.88E-03	2.04E-01	1.23E-02	8.21E-01	3.44E-03	3.18E-05	3.16E-02	6.60E-04	2.53E-02	2.70E-03	1.13E+00	
359.9	4251	3.53E-03	1.64E-02	1.36E-03	1.63E-01	1.49E-02	8.72E-01	2.47E-03	2.06E-05	2.30E-02	5.34E-04	2.54E-02	2.46E-03	1.13E+00	
362.2	4244.8	5.76E-03	1.25E-02	1.28E-03	2.64E-01	3.95E-03	7.52E-01	3.97E-03	1.94E-05	6.06E-02	4.92E-04	1.80E-02	3.00E-03	1.12E+00	
360.1	4246.3	2.97E-03	2.08E-02	1.15E-03	2.11E-01	4.88E-03	7.45E-01	2.66E-03	1.45E-05	1.11E-01	5.57E-04	2.02E-02	3.64E-03	1.12E+00	
359	4246.4	4.58E-03	8.61E-03	6.17E-04	3.00E-01	3.70E-03	6.84E-01	3.57E-03	7.34E-06	9.67E-02	2.70E-04	1.91E-02	3.91E-03	1.12E+00	
361	4252	4.90E-03	1.46E-02	1.45E-03	1.79E-01	1.07E-02	8.61E-01	2.96E-03	2.40E-05	2.26E-02	5.53E-04	2.37E-02	2.43E-03	1.12E+00	
361.6	4245.2	6.48E-03	1.27E-02	1.38E-03	2.62E-01	4.03E-03	7.40E-01	3.93E-03	2.07E-05	7.17E-02	5.18E-04	1.78E-02	3.10E-03	1.12E+00	
358.7	4249.9	3.00E-03	1.49E-02	1.23E-03	1.63E-01	1.28E-02	8.68E-01	2.45E-03	1.84E-05	3.02E-02	4.88E-04	2.42E-02	2.48E-03	1.12E+00	
360.2	4246.4	2.29E-03	1.95E-02	1.05E-03	2.22E-01	5.21E-03	7.20E-01	2.95E-03	1.39E-05	1.25E-01	5.14E-04	2.15E-02	4.24E-03	1.12E+00	
359.9	4246.3	2.06E-03	1.77E-02	8.62E-04	2.16E-01	4.84E-03	7.38E-01	2.65E-03	1.06E-05	1.15E-01	4.46E-04	2.02E-02	3.59E-03	1.12E+00	
361.5	4245.3	7.46E-03	1.26E-02	1.47E-03	2.60E-01	4.06E-03	7.37E-01	3.88E-03	2.19E-05	7.45E-02	5.43E-04	1.75E-02	3.09E-03	1.12E+00	
363.25	4245.25	5.87E-03	1.17E-02	1.13E-03	2.42E-01	4.74E-03	7.82E-01	4.13E-03	1.92E-05	4.71E-02	4.37E-04	1.85E-02	2.71E-03	1.12E+00	
361.7	4245.1	6.53E-03	1.28E-02	1.37E-03	2.63E-01	3.99E-03	7.38E-01	3.90E-03	2.03E-05	6.86E-02	5.17E-04	1.79E-02	3.09E-03	1.12E+00	
360.75	4252	4.61E-03	1.43E-02	1.37E-03	1.76E-01	1.13E-02	8.60E-01	2.90E-03	2.26E-05	2.16E-02	5.28E-04	2.38E-02	2.39E-03	1.12E+00	
363	4245	6.53E-03	1.15E-02	1.15E-03	2.51E-01	4.76E-03	7.66E-01	3.92E-03	1.79E-05	5.05E-02	4.41E-04	1.90E-02	2.82E-03	1.12E+00	
362.4	4244.8	5.48E-03	1.20E-02	1.22E-03	2.62E-01	4.16E-03	7.46E-01	3.87E-03	1.81E-05	6.04E-02	4.71E-04	1.84E-02	3.02E-03	1.12E+00	
359.4	4250.6	3.37E-03	1.53E-02	1.27E-03	1.54E-01	1.51E-02	8.74E-01	2.41E-03	1.98E-05	2.32E-02	5.07E-04	2.54E-02	2.41E-03	1.12E+00	
359.6	4246.3	2.72E-03	1.32E-02	8.30E-04	2.03E-01	4.60E-03	6.97E-01	2.59E-03	1.06E-05	1.70E-01	3.74E-04	1.82E-02	3.39E-03	1.12E+00	
361.8	4251	9.50E-03	1.26E-02	1.85E-03	2.05E-01	1.15E-02	8.12E-01	3.33E-03	3.01E-05	3.09E-02	6.58E-04	2.44E-02	2.69E-03	1.11E+00	
361.1	4245.8	7.54E-03	1.24E-02	1.50E-03	2.47E-01	4.46E-03	7.18E-01	3.44E-03	2.09E-05	9.77E-02	5.47E-04	1.79E-02	3.22E-03	1.11E+00	
362.5	4244.8	5.24E-03	1.19E-02	1.19E-03	2.63E-01	4.22E-03	7.44E-01	3.84E-03	1.73E-05	5.86E-02	4.59E-04	1.84E-02	2.98E-03	1.11E+00	
358	4248.5	2.77E-03	1.37E-02	9.39E-04	2.17E-01	6.97E-03	8.10E-01	2.73E-03	1.18E-05	3.55E-02	4.11E-04	1.99E-02	2.59E-03	1.11E+00	
358.6	4246.5	5.46E-03	1.04E-02	8.15E-04	2.93E-01	3.72E-03	7.02E-01	3.57E-03	9.92E-06	6.91E-02	3.53E-04	1.82E-02	3.35E-03	1.11E+00	
361.8	4245	6.40E-03	1.29E-02	1.35E-03	2.62E-01	3.94E-03	7.32E-01	3.83E-03	1.98E-05	6.53E-02	5.14E-04	1.79E-02	3.05E-03	1.11E+00	
362.4	4250.1	9.05E-03	1.19E-02	1.72E-03	2.04E-01	1.14E-02	8.07E-01	3.59E-03	3.02E-05	3.09E-02	6.09E-04	2.51E-02	2.70E-03	1.11E+00	
358.5	4246.6	4.60E-03	1.19E-02	7.72E-04	2.68E-01	3.97E-03	7.38E-01	3.40E-03	9.78E-06	5.55E-02	3.54E-04	1.81E-02	2.95E-03	1.11E+00	
362.1	4244.8	5.33E-03	1.27E-02	1.26E-03	2.61E-01	3.85E-03	7.37E-01	3.90E-03	1.87E-05	6.02E-02	4.85E-04	1.77E-02	2.95E-03	1.11E+00	
359.5	4246.3	2.97E-03	1.26E-02	7.94E-04	2.03E-01	4.49E-03	6.83E-01	2.73E-03	1.07E-05	1.75E-01	3.62E-04	1.77E-02	3.33E-03	1.11E+00	
361.4	4245.4	9.58E-03	1.24E-02	1.63E-03	2.53E-01	4.10E-03	7.23E-01	3.74E-03	2.41E-05	7.77E-02	5.89E-04	1.72E-02	3.06E-03	1.11E+00	
363.25	4246	5.78E-03	1.27E-02	1.20E-03	2.44E-01	5.38E-03	7.72E-01	3.94E-03	1.93E-05	3.97E-02	4.61E-04	1.90E-02	2.72E-03	1.11E+00	
363.25	4247.25	5.81E-03	1.10E-02	1.20E-03	2.16E-01	7.83E-03	7.95E-01	3.42E-03	1.91E-05	3.98E-02	4.54E-04	2.28E-02	2.72E-03	1.11E+00	
362.1	4250.5	1.19E-02	1.23E-02	1.95E-03	1.94E-01	1.35E-02	8.08E-01	3.24E-03	3.27E-05	3.23E-02	6.85E-04	2.45E-02	2.64E-03	1.10E+00	
361	4245.9	5.48E-03	1.20E-02	1.32E-03	2.43E-01	4.54E-03	7.10E-01	3.34E-03	1.82E-05	1.03E-01	4.91E-04	1.79E-02	3.21E-03	1.10E+00	
359.8	4246.3	2.11E-03	1.78E-02	8.77E-04	2.11E-01	4.78E-03	7.10E-01	2.62E-03	1.09E-05	1.26E-01	4.47E-04	1.93E-02	3.57E-03	1.10E+00	
361.9	4244.9	7.26E-03	1.30E-02	1.42E-03	2.59E-01	3.86E-03	7.25E-01	3.78E-03	2.07E-05	6.27E-02	5.33E-04	1.77E-02	3.00E-03	1.10E+00	
359.8	4250.9	3.51E-03	1.66E-02	1.34E-03	1.60E-01	1.53E-02	8.46E-01	2.45E-03	2.04E-05	2.34E-02	5.32E-04	2.51E-02	2.43E-03	1.10E+00	
360.8	4246	4.80E-03	1.08E-02	1.17E-03	2.47E-01	4.60E-03	7.00E-01	3.44E-03	1.63E-05	1.03E-01	4.35E-04	1.77E-02	3.03E-03	1.10E+00	
358.25	4247	3.29E-03	2.20E-02	1.18E-03	1.73E-01	5.63E-03	8.33E-01	2.75E-03	1.87E-05	3.35E-02	5.84E-04	1.82E-02	2.30E-03	1.10E+00	
358.6	4249.8	2.93E-03	1.45E-02	1.16E-03	1.61E-01	1.16E-02	8.44E-01	2.37E-03	1.71E-05	3.23E-02	4.71E-04	2.31E-02	2.46E-03	1.10E+00	
359.4	4246.4	3.12E-03	1.34E-02	7.11E-04	2.23E-01	4.54E-03	6.75E-01	2.90E-03	9.25E-06	1.50E-01	3.51E-04	1.78E-02	3.56E-03	1.09E+00	
361.9	4250.8	1.04E-02	1.24E-02	1.81E-03	2.01E-01	1.23E-02	7.93E-01	3.28E-03	2.95E-05	3.17E-02	6.45E-04	2.47E-02	2.70E-03	1.09E+00	
358.25	4249	3.55E-03	1.56E-02	1.09E-03	1.77E-01	8.95E-03	8.18E-01	2.28E-03	1.40E-05	4.10E-02	4.66E-04	2.23E-02	2.67E-03	1.09E+00	
359.5	4250.7	3.55E-03	1.58E-02	1.32E-03	1.54E-01	1.48E-02	8.50E-01	2.41E-03	2.07E-05	2.29E-02	5.24E-04	2.46E-02	2.35E-03	1.09E+00	
358.7	4246.4	5.77E-03	9.14E-03	8.04E-04	2.97E-01	3.52E-03	6.64E-01	3.88E-03	1.05E-05	8.62E-02	3.40E-04	1.80E-02	3.65E-03	1.09E+00	
358.9	4250.2	3.33E-03	1.34E-02	1.34E-03	1.55E-01	1.34E-02	8.52E-01	2.32E-03	2.01E-05	2.50E-02	4.93E-04	2.37E-02	2.33E-03	1.09E+00	
362.75	4244.75	6.18E-03	1.15E-02	1.20E-03	2.53E-01	4.20E-03	7.37E-01	3.82E-03	1.81E-05	5.24E-02	4.57E-04	1.75E-02	2.78E-03	1.09E+00	
359	4250.3	3.25E-03	1.35E-02	1.27E-03	1.52E-01	1.37E-02	8.53E-01	2.28E-03	1.90E-05	2.40E-02	4.78E-04	2.39E-02	2.31E-03	1.09E+00	
362.5	4250	7.97E-03	1.15E-02	1.64E-03	2.08E-01	1.07E-02	7.87E-01	3.82E-03	3.02E-05	3.04E-02	5.80E-04	2.48E-02	2.69E-03	1.09E+00	
363.25	4249	6.82E-03	1.10E-02	1.21E-03	2.12E-01	8.88E-03	7.87E-01	3.96E-03	2.26E-05	3.22E-02	4.61E-04	2.23E-02	2.51E-03	1.09E+00	
363	4249.5	8.66E-03	1.01E-02	1.44E-03	2.33E-01	8.96E-03	7.62E-01	3.82E-03	2.37E-05	3.44E-02	5.11E-04	2.29E-02	2.65E-03	1.09E+00	
362.2	4250.4	1.03E-02	1.19E-02	1.74E-03	1.94E-01	1.26E-02	7.94E-01	3.25E-03	2.92E-05	3.15E-02	6.19E-04	2.41E-02	2.59E-03	1.09E+00	
363.25	4246.25	5.65E-03	1.27E-02	1.21E-03	2.38E-01	5.47E-03	7.58E-01	3.94E-03	2.01E-05	3.61E-02	4.68E-04	1.84E-02	2.53E-03	1.08E+00	
358	4248.75	2.92E-03	1.55E-02	9.60E-04	1.99E-01	7.38E-03	7.98E-01	2.77E-03	1.34E-05	3.39E-02	4.28E-04	2.06E-02	2.48E-03	1.08E+00	
359.7	4246.3	2.59E-03	1.48E-02	8.89E-04	2.01E-01	4.69E-03	6.87E-01	2.54E-03	1.12E-05	1.45E-01	4.06E-04	1.87E-02	3.42E-03	1.08E+00	
362.3	4244.7	5.69E-03	1.19E-02	1.25E-03	2.52E-01	3.88E-03	7.24E-01	3.79E-03	1.87E-05	5.81E-02	4.75E-04	1.74E-02	2.88E-03	1.08E+00	
361.3	4245.5	8.30E-03	1.22E-02	1.54E-03	2.45E-01	4.14E-03	7.04E-01	3.53E-03	2.22E-05	8.10E-02	5.57E-04	1.70E-02	3.00E-03	1.08E+00	
358.5	4246.5	4.48E-03	1.07E-02	7.26E-04	2.76E-01	3.69E-03	6.98E-01	3.38E-03	8.91E-06	6.13E-02	3.29E-04	1.75E-02	3.08E-03	1.08E+00	
362	4244.8	5.85E-03	1.28E-02	1.30E-03	2.55E-01	3.76E-03	7.16E-01	3.74E-03	1.91E-05	6.00E-02	4.98E-04	1.73E-02	2.90E-03	1.08E+00	
361.25	4251.75	5.62E-03	1.45E-02	1.60E-03	1.82E-01	9.84E-03	8.11E-01	2.97E-03	2.60E-05	2.45E-02	5.92E-04	2.24E-02	2.40E-03	1.08E+00	
359.1	4250.4	3.14E-03	1.39E-02	1.24E-03	1.49E-01	1.38E-02	8.45E-01	2.23E-03	1.86E-05	2.32E-02	4.78E-04	2.38E-02	2.29E-03	1.08E+00	
358.8	4250.1	3.28E-03	1.38E-02	1.36E-03	1.55E-01	1.29E-02	8.36E-01	2.34E-03	2.05E-05	2.60E-02	5.05E-04	2.33E-02	2.32E-03	1.08E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
362.2	4244.7	5.44E-03	1.21E-02	1.24E-03	2.53E-01	3.77E-03	7.19E-01	3.79E-03	1.86E-05	5.77E-02	4.75E-04	1.71E-02	2.85E-03	1.08E+00	
362.3	4250.3	1.00E-02	1.18E-02	1.74E-03	1.95E-01	1.18E-02	7.64E-01	3.28E-03	2.92E-05	3.06E-02	6.15E-04	2.39E-02	2.56E-03	1.07E+00	
359.1	4246.4	3.59E-03	8.46E-03	5.48E-04	2.69E-01	3.86E-03	6.63E-01	3.20E-03	6.52E-06	1.00E-01	2.48E-04	1.84E-02	3.68E-03	1.07E+00	
362	4250.7	1.07E-02	1.22E-02	1.78E-03	1.92E-01	1.27E-02	7.82E-01	3.18E-03	2.94E-05	3.16E-02	6.34E-04	2.38E-02	2.60E-03	1.07E+00	
359.6	4250.8	3.56E-03	1.61E-02	1.33E-03	1.53E-01	1.44E-02	8.33E-01	2.38E-03	2.07E-05	2.27E-02	5.28E-04	2.38E-02	2.30E-03	1.07E+00	
361.5	4251.5	7.07E-03	1.36E-02	1.73E-03	1.87E-01	9.92E-03	7.98E-01	3.05E-03	2.83E-05	2.68E-02	6.24E-04	2.25E-02	2.45E-03	1.07E+00	
360.3	4246.446	2.32E-03	1.53E-02	9.72E-04	2.09E-01	5.42E-03	6.65E-01	2.99E-03	1.39E-05	1.48E-01	4.40E-04	1.98E-02	3.46E-03	1.07E+00	
361.75	4251.25	8.44E-03	1.25E-02	1.81E-03	1.95E-01	1.03E-02	7.85E-01	3.22E-03	2.99E-05	2.91E-02	6.42E-04	2.28E-02	2.53E-03	1.07E+00	
359.2	4250.5	3.06E-03	1.43E-02	1.21E-03	1.46E-01	1.39E-02	8.40E-01	2.22E-03	1.83E-05	2.27E-02	4.77E-04	2.39E-02	2.28E-03	1.07E+00	
362.4	4244.7	5.14E-03	1.16E-02	1.18E-03	2.51E-01	3.98E-03	7.15E-01	3.72E-03	1.75E-05	5.81E-02	4.53E-04	1.75E-02	2.89E-03	1.07E+00	
360	4246.2	3.24E-03	1.81E-02	1.07E-03	1.98E-01	4.60E-03	7.25E-01	2.45E-03	1.33E-05	9.57E-02	5.06E-04	1.82E-02	3.28E-03	1.07E+00	
363.25	4247.5	6.32E-03	1.21E-02	1.31E-03	2.09E-01	7.72E-03	7.65E-01	3.51E-03	2.19E-05	3.71E-02	5.00E-04	2.27E-02	2.65E-03	1.07E+00	
359.9	4246.2	2.25E-03	1.74E-02	8.78E-04	2.01E-01	4.57E-03	7.20E-01	2.47E-03	1.08E-05	9.53E-02	4.48E-04	1.86E-02	3.23E-03	1.07E+00	
362.258	4250.367	9.98E-03	1.17E-02	1.70E-03	1.92E-01	1.20E-02	7.78E-01	3.23E-03	2.86E-05	3.08E-02	6.06E-04	2.36E-02	2.54E-03	1.07E+00	22
358.6	4246.4	4.87E-03	9.40E-03	7.22E-04	2.85E-01	3.50E-03	6.58E-01	3.65E-03	9.25E-06	7.84E-02	3.15E-04	1.74E-02	3.40E-03	1.06E+00	
358	4247.25	2.86E-03	1.65E-02	1.25E-03	2.07E-01	5.02E-03	7.73E-01	3.00E-03	1.82E-05	3.60E-02	5.13E-04	1.69E-02	2.08E-03	1.06E+00	
362.5	4244.7	5.02E-03	1.15E-02	1.15E-03	2.50E-01	4.04E-03	7.10E-01	3.66E-03	1.69E-05	5.69E-02	4.45E-04	1.76E-02	2.86E-03	1.06E+00	
358.25	4246.75	5.03E-03	1.87E-02	1.12E-03	1.89E-01	4.69E-03	7.79E-01	2.66E-03	1.58E-05	4.21E-02	5.26E-04	1.75E-02	2.47E-03	1.06E+00	
360	4251.25	3.43E-03	1.50E-02	1.33E-03	1.55E-01	1.26E-02	8.25E-01	2.36E-03	2.03E-05	2.11E-02	5.14E-04	2.32E-02	2.28E-03	1.06E+00	
361.9	4250.9	9.90E-03	1.20E-02	1.78E-03	1.96E-01	1.14E-02	7.69E-01	3.18E-03	2.89E-05	3.07E-02	6.33E-04	2.37E-02	2.61E-03	1.06E+00	
363.25	4245	7.45E-03	1.11E-02	1.18E-03	2.33E-01	4.47E-03	7.32E-01	3.78E-03	1.92E-05	4.68E-02	4.47E-04	1.75E-02	2.59E-03	1.06E+00	
362.4	4250.2	8.92E-03	1.14E-02	1.66E-03	1.95E-01	1.10E-02	7.71E-01	3.35E-03	2.86E-05	2.99E-02	5.88E-04	2.37E-02	2.56E-03	1.06E+00	
362.1	4250.6	1.08E-02	1.19E-02	1.78E-03	1.86E-01	1.27E-02	7.74E-01	3.11E-03	2.97E-05	3.13E-02	6.30E-04	2.32E-02	2.52E-03	1.06E+00	
361.6	4245.1	7.32E-03	1.20E-02	1.41E-03	2.44E-01	3.85E-03	6.98E-01	3.69E-03	2.13E-05	6.70E-02	5.20E-04	1.66E-02	2.88E-03	1.06E+00	
358.5	4249.2	3.36E-03	1.48E-02	1.10E-03	1.86E-01	1.12E-02	7.65E-01	2.52E-03	1.49E-05	4.56E-02	4.60E-04	2.46E-02	2.89E-03	1.06E+00	
360.2	4246.3	2.50E-03	1.96E-02	1.08E-03	2.05E-01	4.85E-03	6.96E-01	2.73E-03	1.43E-05	1.01E-01	5.24E-04	1.99E-02	3.64E-03	1.06E+00	
361.7	4245	6.54E-03	1.22E-02	1.33E-03	2.45E-01	3.81E-03	6.98E-01	3.68E-03	2.00E-05	6.44E-02	5.00E-04	1.68E-02	2.89E-03	1.06E+00	
359.8	4251	3.41E-03	1.59E-02	1.29E-03	1.53E-01	1.40E-02	8.17E-01	2.32E-03	1.96E-05	2.23E-02	5.12E-04	2.36E-02	2.30E-03	1.06E+00	
363.25	4246.5	6.24E-03	1.21E-02	1.24E-03	2.26E-01	5.67E-03	7.42E-01	3.75E-03	2.06E-05	3.67E-02	4.72E-04	1.83E-02	2.45E-03	1.05E+00	
359.3	4250.6	3.15E-03	1.43E-02	1.19E-03	1.46E-01	1.40E-02	8.25E-01	2.26E-03	1.84E-05	2.22E-02	4.73E-04	2.38E-02	2.27E-03	1.05E+00	
362.1	4244.7	4.97E-03	1.23E-02	1.21E-03	2.49E-01	3.67E-03	6.99E-01	3.70E-03	1.79E-05	5.74E-02	4.65E-04	1.68E-02	2.80E-03	1.05E+00	
361.8	4244.9	7.57E-03	1.24E-02	1.41E-03	2.46E-01	3.76E-03	6.94E-01	3.64E-03	2.09E-05	6.19E-02	5.24E-04	1.68E-02	2.88E-03	1.05E+00	
361.2	4245.6	5.91E-03	1.18E-02	1.34E-03	2.35E-01	4.19E-03	6.83E-01	3.34E-03	1.91E-05	8.46E-02	4.95E-04	1.69E-02	2.94E-03	1.05E+00	
360.4	4246.4	2.50E-03	1.20E-02	9.15E-04	2.07E-01	4.66E-03	6.37E-01	2.89E-03	1.28E-05	1.61E-01	3.81E-04	1.75E-02	3.25E-03	1.05E+00	
361.5	4245.2	6.69E-03	1.19E-02	1.36E-03	2.40E-01	3.88E-03	6.91E-01	3.61E-03	2.04E-05	6.95E-02	5.04E-04	1.64E-02	2.85E-03	1.05E+00	
363.25	4247	5.78E-03	1.05E-02	1.14E-03	2.04E-01	6.99E-03	7.47E-01	3.21E-03	1.80E-05	4.49E-02	4.30E-04	2.12E-02	2.64E-03	1.05E+00	
358.5	4249.7	2.94E-03	1.37E-02	1.09E-03	1.56E-01	1.06E-02	8.01E-01	2.28E-03	1.59E-05	3.38E-02	4.44E-04	2.18E-02	2.38E-03	1.05E+00	
359.3	4246.4	2.96E-03	1.18E-02	6.24E-04	2.31E-01	4.32E-03	6.45E-01	2.95E-03	7.96E-06	1.25E-01	3.10E-04	1.79E-02	3.53E-03	1.05E+00	
360.9	4245.9	4.53E-03	1.08E-02	1.17E-03	2.31E-01	4.42E-03	6.73E-01	3.21E-03	1.62E-05	9.61E-02	4.35E-04	1.69E-02	2.94E-03	1.04E+00	
363.25	4249.25	6.93E-03	1.09E-02	1.26E-03	2.10E-01	8.69E-03	7.46E-01	3.73E-03	2.23E-05	3.14E-02	4.73E-04	2.23E-02	2.50E-03	1.04E+00	
362.5	4250.1	8.34E-03	1.12E-02	1.66E-03	1.97E-01	1.03E-02	7.56E-01	3.54E-03	2.98E-05	2.95E-02	5.82E-04	2.34E-02	2.55E-03	1.04E+00	
359.4	4246.3	3.56E-03	1.27E-02	8.13E-04	2.01E-01	4.36E-03	6.42E-01	2.76E-03	1.12E-05	1.55E-01	3.71E-04	1.66E-02	3.21E-03	1.04E+00	
359.7	4250.9	3.44E-03	1.60E-02	1.28E-03	1.52E-01	1.43E-02	8.04E-01	2.34E-03	1.97E-05	2.26E-02	5.11E-04	2.34E-02	2.27E-03	1.04E+00	
358.6	4249.9	2.84E-03	1.39E-02	1.13E-03	1.54E-01	1.15E-02	8.01E-01	2.29E-03	1.68E-05	2.99E-02	4.53E-04	2.23E-02	2.34E-03	1.04E+00	
358.5	4246.4	4.28E-03	9.91E-03	6.87E-04	2.74E-01	3.47E-03	6.56E-01	3.41E-03	8.55E-06	6.99E-02	3.09E-04	1.68E-02	3.16E-03	1.04E+00	
362.2	4250.5	1.05E-02	1.15E-02	1.74E-03	1.85E-01	1.21E-02	7.60E-01	3.11E-03	2.93E-05	3.06E-02	6.17E-04	2.29E-02	2.47E-03	1.04E+00	
363	4244.75	7.85E-03	1.07E-02	1.24E-03	2.35E-01	4.31E-03	7.09E-01	3.69E-03	1.95E-05	4.78E-02	4.62E-04	1.72E-02	2.63E-03	1.04E+00	
359.2	4246.4	3.01E-03	9.84E-03	5.55E-04	2.42E-01	4.08E-03	6.45E-01	3.03E-03	6.95E-06	1.11E-01	2.67E-04	1.79E-02	3.55E-03	1.04E+00	
359.4	4250.7	3.39E-03	1.46E-02	1.25E-03	1.46E-01	1.38E-02	8.10E-01	2.29E-03	1.96E-05	2.19E-02	4.94E-04	2.34E-02	2.25E-03	1.04E+00	
361.9	4251	9.50E-03	1.18E-02	1.77E-03	1.92E-01	1.06E-02	7.54E-01	3.10E-03	2.86E-05	2.99E-02	6.27E-04	2.28E-02	2.53E-03	1.04E+00	
363.25	4246.75	6.19E-03	1.12E-02	1.18E-03	2.09E-01	6.21E-03	7.34E-01	3.44E-03	1.93E-05	4.42E-02	4.46E-04	1.94E-02	2.56E-03	1.04E+00	
361.9	4244.8	6.53E-03	1.24E-02	1.33E-03	2.44E-01	3.68E-03	6.87E-01	3.59E-03	1.96E-05	5.95E-02	5.02E-04	1.67E-02	2.83E-03	1.04E+00	
360.1	4246.2	3.82E-03	1.94E-02	1.27E-03	1.96E-01	4.58E-03	6.95E-01	2.48E-03	1.61E-05	9.39E-02	5.69E-04	1.84E-02	3.24E-03	1.04E+00	
358.7	4246.3	5.35E-03	8.65E-03	7.21E-04	2.83E-01	3.29E-03	6.31E-01	3.79E-03	9.65E-06	8.06E-02	3.07E-04	1.71E-02	3.60E-03	1.04E+00	
358	4248.25	2.78E-03	1.36E-02	1.03E-03	2.02E-01	6.64E-03	7.53E-01	2.74E-03	1.40E-05	3.36E-02	4.33E-04	1.86E-02	2.43E-03	1.04E+00	
358.9	4246.3	4.05E-03	8.69E-03	5.85E-04	2.76E-01	3.41E-03	6.34E-01	3.30E-03	6.99E-06	8.52E-02	2.63E-04	1.75E-02	3.51E-03	1.04E+00	
360.5	4252	3.98E-03	1.28E-02	1.32E-03	1.61E-01	1.07E-02	7.97E-01	2.58E-03	2.11E-05	1.98E-02	4.98E-04	2.27E-02	2.27E-03	1.03E+00	
358.5	4249.5	3.06E-03	1.38E-02	1.08E-03	1.67E-01	1.11E-02	7.69E-01	2.40E-03	1.55E-05	3.91E-02	4.44E-04	2.29E-02	2.59E-03	1.03E+00	
361.4	4245.3	8.56E-03	1.17E-02	1.49E-03	2.34E-01	3.92E-03	6.76E-01	3.47E-03	2.21E-05	7.18E-02	5.42E-04	1.62E-02	2.81E-03	1.03E+00	
358.5	4249.6	2.99E-03	1.37E-02	1.07E-03	1.62E-01	1.09E-02	7.76E-01	2.35E-03	1.56E-05	3.65E-02	4.41E-04	2.23E-02	2.47E-03	1.03E+00	
358.9	4250.3	3.24E-03	1.26E-02	1.24E-03	1.46E-01	1.26E-02	8.03E-01	2.19E-03	1.86E-05	2.34E-02	4.60E-04	2.24E-02	2.19E-03	1.03E+00	
362.3	4244.6	4.83E-03	1.14E-02	1.15E-03	2.41E-01	3.72E-03	6.88E-01	3.63E-03	1.73E-05	5.54E-02	4.42E-04	1.65E-02	2.72E-03	1.03E+00	
361.1	4245.7	6.01E-03	1.15E-02	1.32E-03	2.28E-01	4.24E-03	6.67E-01	3.19E-03	1.85E-05	8.73E-02	4.84E-04	1.67E-02	2.92E-03	1.03E+00	
362.4	4244.6	5.07E-03	1.13E-02	1.16E-03	2.40E-01	3.81E-03	6.87E-01	3.57E-03	1.73E-05	5.58E-02	4.43E-04	1.67E-02	2.75E-03	1.03E+00	
358	4248	2.44E-03	1.42E-02	9.93E-04	2.09E-01	6.37E-03	7.36E-01	3.02E-03	1.44E-05	3.30E-02	4.24E-04	1.88E-02	2.58E-03	1.03E+00	
362.3	4250.4	9.67E-03	1.12E-02	1.65E-03	1.86E-01	1.13E-02	7.46E-01	3.14E-03	2.78E-05	2.98E-02	5.87E-04	2.26E-02	2.44E-03	1.02E+00	
361	4245.8	6.20E-03	1.12E-02	1.33E-03	2.24E-01	4.30E-03	6.62E-01	3.13E-03	1.86E-05	9.19E-02	4.84E-04	1.67E-02	2.93E-03	1.02E+00	
362.5	4244.6	5.46E-03	1.12E-02	1.18E-03	2.39E-01	3.89E-03	6.85E-01	3.50E-03	1.73E-05	5.52E-02	4.49E-04	1.68E-02	2.75E-03	1.02E+00	
358.8	4250.2	3.27E-03	1.28E-02	1.33E-03	1.47E-01	1.22E-02	7.96E-01	2.21E-03	2.00E-05	2.42E-02	4.84E-04	2.21E-02	2.19E-03	1.02E+00	
362	4244.7	5.35E-03	1.23E-02	1.23E-03	2.41E-01	3.59E-03	6.79E-01	3.56E-03	1.82E-05	5.72E-02	4.72E-04	1.64E-02	2.75E-03	1.02E+00	
358	4247.75	2.38E-03	1.60E-02	1.05E-03	1.98E-01	5.86E-03	7.40E-01	2.70E-03	1.44E-05	3.60E-02	4.66E-04	1.81E-02	2.30E-03	1.02E+00	
362.2	4244.6	4.71E-03	1.17E-02	1.15E-03	2.41E-01	3.61E-03	6.81E-01	3.60E-03	1.73E-05	5.50E-02	4.45E-04	1.62E-02	2.69E-03	1.02E+00	
359	4250.4	3.10E-03	1.29E-02	1.16E-03	1.43E-01	1.28E-02	7.98E-01	2.14E-03	1.74E-05	2.24E-02	4.45E-04	2.23E-02	2.17E-03	1.02E+00	
359.5	4250.8	3.47E-03	1.49E-02	1.25E-03	1.46E-01	1.35E-02	7.92E-01	2.29E-03	1.96E-05	2.17E-02	4.95E-04	2.27E-02	2.20E-03	1.02E+00	
362	4250.8	1.01E-02	1.17E-02	1.72E-03	1.87E-01	1.17E-02	7.38E-01	3.07E-03	2.82E-05	3.06E-02	6.11E-04	2.28E-02	2.51E-03	1.02E+00	
363.25	4248	5.97E-03	1.14E-02	1.16E-03	2.09E-01	7.57E-03	7.24E-01	3.45E-03	1.92E-05	3.32E-02	4.49E-04	2.07E-02	2.39E-03	1.02E+00	
358.25	4246.5	6.49E-03	1.30E-02	1.06E-03	2.28E-01	3.74E-03	6.94E-01	2.99E-03	1.40E-05	4.94E-02	4.49E-04	1.64E-02	2.60E-03	1.02E+00	
359.8	4246.2	2.12E-03	1.73E-02	8.53E-04	1.99E-01	4.51E-03	6.77E-01	2.48E-03	1.06E-05	9.24E-02	4.36E-04	1.81E-02	3.20E-03	1.02E+00	
358.5	4249.8	2.88E-03	1.35E-02	1.09E-03	1.51E-01	1.05E-02	7.79E-01	2.22E-03	1.60E-05	3.15E-02	4.42E-04	2.13E-02	2.30E-03	1.02E+00	
362.4	4250.3	8.90E-03	1.10E-02	1.61E-03	1.87E-01	1.06E-02	7.35E-01	3.17E-03	2.74E-05	2.90E-02	5.71E-04	2.24E-02	2.43E-03	1.01E+00	
359.1	4250.5	2.97E-03	1.33E-02	1.13E-03	1.40E-01	1.29E-02	7.91E-01	2.10E-03	1.70E-05	2.18E-02	4.45E-04	2.23E-02	2.14E-03	1.01E+00	
358.6	4246.3	4.47E-03	8.58E-03	6.44E-04	2.73E-01	3.29E-03	6.17E-01	3.68E-03	8.68E-06	7.71E-02	2.82E-04	1.66E-02	3.38E-03	1.01E+00	
360.8	4245.9	4.22E-03	1.00E-02	1.07E-03	2.30E-01	4.36E-03	6.49E-01	3.21E-03	1.49E-05	8.71E-02	3.98E-04	1.64E-02	2.75E-03	1.01E+00	
359.5	4246.2	2.93E-03	1.19E-02	8.28E-04	1.90E-01	4.28E-03	6.46E-01	2.50E-03	1.09E-05	1.28E-01	3.64E-04	1.66E-02	3.00E-03	1.01E+00	

TABLE 3.7-1
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
358.7	4250.1	3.05E-03	1.32E-02	1.22E-03	1.47E-01	1.18E-02	7.77E-01	2.22E-03	1.84E-05	2.53E-02	4.63E-04	2.17E-02	2.19E-03	1.01E+00	
362.1	4250.7	1.02E-02	1.14E-02	1.69E-03	1.80E-01	1.19E-02	7.31E-01	3.00E-03	2.81E-05	3.04E-02	6.01E-04	2.21E-02	2.42E-03	1.00E+00	
361.3	4245.4	8.83E-03	1.15E-02	1.53E-03	2.25E-01	3.96E-03	6.56E-01	3.27E-03	2.22E-05	7.46E-02	5.46E-04	1.60E-02	2.75E-03	1.00E+00	
362.75	4249.75	6.58E-03	9.65E-03	1.39E-03	2.05E-01	9.38E-03	7.11E-01	3.57E-03	2.42E-05	3.04E-02	4.89E-04	2.25E-02	2.52E-03	1.00E+00	
359.6	4250.9	3.42E-03	1.51E-02	1.23E-03	1.45E-01	1.32E-02	7.76E-01	2.25E-03	1.90E-05	2.17E-02	4.89E-04	2.21E-02	2.15E-03	1.00E+00	
363.5	4245.25	4.62E-03	1.10E-02	1.01E-03	2.12E-01	4.39E-03	7.06E-01	3.71E-03	1.76E-05	4.04E-02	3.95E-04	1.67E-02	2.42E-03	1.00E+00	
359.9	4246.1	2.54E-03	1.68E-02	9.05E-04	1.86E-01	4.32E-03	6.88E-01	2.32E-03	1.13E-05	7.99E-02	4.47E-04	1.72E-02	2.93E-03	1.00E+00	
362.5	4250.2	8.27E-03	1.08E-02	1.61E-03	1.87E-01	9.90E-03	7.26E-01	3.29E-03	2.82E-05	2.85E-02	5.63E-04	2.22E-02	2.43E-03	1.00E+00	
362.1	4244.6	4.77E-03	1.18E-02	1.17E-03	2.36E-01	3.52E-03	6.66E-01	3.52E-03	1.74E-05	5.49E-02	4.49E-04	1.60E-02	2.65E-03	1.00E+00	
363.5	4245.5	5.27E-03	1.11E-02	1.07E-03	2.12E-01	4.60E-03	7.02E-01	3.56E-03	1.80E-05	4.06E-02	4.12E-04	1.70E-02	2.47E-03	1.00E+00	

TABLE 3.7-2
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
360.302	4247.704	2.13E-03	3.57E-02	1.49E-03	3.65E+01	9.99E-03	3.61E+00	2.58E-02	1.44E-02	7.62E-01	8.28E-04	3.01E+00	4.65E-01	4.46E+01	
360.623	4247.86	3.54E-03	4.95E-02	2.25E-03	1.16E+01	1.20E-02	2.08E+01	2.56E-01	1.70E-02	5.74E-01	1.18E-03	1.22E-01	4.05E-02	3.35E+01	
360.6	4247.8	2.30E-03	4.72E-02	2.19E-03	1.06E+01	9.94E-03	1.64E+01	1.31E-01	1.70E-02	4.93E-01	1.14E-03	1.40E-01	3.72E-02	2.78E+01	
360.578	4247.772	2.27E-03	4.68E-02	2.15E-03	1.03E+01	9.48E-03	1.44E+01	8.74E-02	1.69E-02	4.66E-01	1.13E-03	1.69E-01	3.81E-02	2.56E+01	
360.239	4248.398	4.13E-03	8.25E-01	2.32E-02	1.30E+00	7.18E-02	1.98E+01	1.97E-02	1.21E-02	9.84E-02	1.67E-02	2.77E-01	2.17E-02	2.25E+01	
360.668	4247.947	7.04E-03	5.15E-02	2.35E-03	5.07E+00	1.60E-02	1.04E+01	2.75E-01	1.71E-02	2.71E-01	1.23E-03	1.00E-01	2.31E-02	1.63E+01	
360.705	4247.78	1.48E-03	3.73E-02	2.17E-03	5.40E+00	1.22E-02	9.86E+00	9.83E-02	1.84E-02	3.00E-01	1.03E-03	8.63E-02	2.24E-02	1.58E+01	
360.4	4248.912	6.00E-03	6.03E-02	3.36E-03	1.16E+00	7.34E-01	1.23E+01	1.11E-02	1.29E-02	2.67E-01	1.58E-03	6.43E-01	3.97E-02	1.52E+01	
360.6	4247.7	1.91E-03	3.86E-02	1.97E-03	5.93E+00	8.10E-03	8.00E+00	4.65E-02	1.76E-02	3.19E-01	9.91E-04	1.34E-01	2.94E-02	1.45E+01	
360.341	4248.904	5.54E-03	6.92E-02	3.56E-03	1.02E+00	5.11E-01	1.18E+01	1.03E-02	1.25E-02	1.85E-01	1.72E-03	5.07E-01	3.20E-02	1.41E+01	
360.7	4247.9	6.22E-03	4.41E-02	2.19E-03	4.44E+00	1.31E-02	8.87E+00	1.60E-01	1.76E-02	2.45E-01	1.10E-03	8.62E-02	1.99E-02	1.39E+01	
360.301	4247.402	4.15E-03	1.72E-02	8.16E-04	8.56E-01	5.68E-03	8.60E+00	5.27E-03	1.59E-02	4.10E+00	4.21E-04	6.65E-02	1.68E-01	1.38E+01	
360.263	4247.743	2.05E-03	4.87E-02	1.86E-03	7.90E+00	1.05E-02	3.51E+00	2.87E-02	1.41E-02	3.86E-01	1.10E-03	5.75E-01	9.02E-02	1.26E+01	
360.656	4247.671	1.96E-03	3.55E-02	2.03E-03	4.77E+00	1.09E-02	7.20E+00	4.37E-02	1.88E-02	2.83E-01	9.79E-04	1.03E-01	2.40E-02	1.25E+01	
360.23	4248.121	2.37E-03	6.59E-01	1.86E-02	1.93E+00	2.74E-02	8.82E+00	2.56E-02	1.26E-02	1.31E-01	1.33E-02	1.55E-01	1.81E-02	1.18E+01	
360.4	4249	5.86E-03	5.33E-02	3.34E-03	9.08E-01	6.24E-01	9.42E+00	9.66E-03	1.28E-02	1.86E-01	1.48E-03	4.34E-01	2.79E-02	1.17E+01	
360.196	4248.694	5.12E-03	1.69E-01	6.12E-03	9.08E-01	1.62E-01	9.83E+00	1.03E-02	1.15E-02	9.45E-02	3.61E-03	2.92E-01	2.20E-02	1.15E+01	
360.7	4248	7.94E-03	4.64E-02	2.26E-03	3.31E+00	1.78E-02	7.66E+00	1.31E-01	1.72E-02	1.89E-01	1.15E-03	9.65E-02	1.76E-02	1.15E+01	
360.289	4248.002	2.29E-03	2.01E-01	6.18E-03	3.78E+00	2.05E-02	6.86E+00	4.18E-02	1.34E-02	1.92E-01	4.14E-03	2.22E-01	3.02E-02	1.14E+01	
360.5	4249	7.16E-03	4.38E-02	2.97E-03	1.10E+00	1.07E+00	8.14E+00	1.04E-02	1.35E-02	2.17E-01	1.30E-03	5.64E-01	3.76E-02	1.12E+01	
360.2	4248.1	2.38E-03	4.76E-01	1.36E-02	1.70E+00	2.49E-02	8.57E+00	2.19E-02	1.27E-02	1.28E-01	9.65E-03	1.42E-01	1.66E-02	1.11E+01	
360.713	4248.035	8.12E-03	4.24E-02	2.18E-03	2.74E+00	1.92E-02	6.76E+00	9.76E-02	1.72E-02	1.63E-01	1.08E-03	1.00E-01	1.62E-02	9.96E+00	
360.302	4247.5	4.16E-03	2.10E-02	1.00E-03	1.40E+00	6.71E-03	3.11E+00	7.84E-03	1.54E-02	5.05E+00	5.20E-04	8.49E-02	5.58E-02	9.75E+00	
360.527	4247.67	2.81E-03	3.66E-02	1.74E-03	4.68E+00	8.23E-03	4.37E+00	2.75E-02	1.69E-02	3.16E-01	9.02E-04	2.05E-01	3.83E-02	9.70E+00	
360.169	4248.084	2.51E-03	3.22E-01	9.53E-03	1.48E+00	2.30E-02	7.39E+00	1.89E-02	1.29E-02	1.27E-01	6.58E-03	1.28E-01	1.53E-02	9.54E+00	
360.198	4248.033	2.55E-03	2.50E-01	7.57E-03	1.88E+00	2.03E-02	6.84E+00	2.28E-02	1.32E-02	1.45E-01	5.13E-03	1.40E-01	1.79E-02	9.35E+00	
360.245	4247.842	2.32E-03	8.00E-02	2.88E-03	4.29E+00	1.30E-02	4.24E+00	2.97E-02	1.39E-02	2.70E-01	1.76E-03	3.17E-01	4.37E-02	9.31E+00	
360.8	4247.8	3.12E-03	3.36E-02	2.14E-03	2.92E+00	1.62E-02	5.63E+00	8.09E-02	2.01E-02	1.79E-01	9.83E-04	9.14E-02	1.62E-02	9.20E+00	
360.3	4249	5.10E-03	6.23E-02	3.46E-03	7.36E-01	3.50E-01	7.57E+00	8.33E-03	1.21E-02	1.26E-01	1.59E-03	3.01E-01	2.04E-02	9.19E+00	
360.188	4248.787	5.16E-03	1.16E-01	4.64E-03	7.88E-01	1.81E-01	7.68E+00	8.88E-03	1.14E-02	9.49E-02	2.57E-03	2.71E-01	2.00E-02	9.18E+00	
360.578	4247.646	3.12E-03	3.40E-02	1.75E-03	4.00E+00	7.26E-03	4.63E+00	2.86E-02	1.76E-02	2.76E-01	8.76E-04	1.37E-01	3.27E-02	9.17E+00	
360.212	4247.985	2.57E-03	1.65E-01	5.25E-03	2.27E+00	1.80E-02	6.01E+00	2.55E-02	1.35E-02	1.67E-01	3.43E-03	1.57E-01	2.09E-02	8.86E+00	
360.117	4248.126	2.37E-03	3.46E-01	1.00E-02	1.12E+00	2.48E-02	6.96E+00	1.45E-02	1.26E-02	1.10E-01	7.04E-03	1.17E-01	1.29E-02	8.74E+00	
360.253	4248.902	5.15E-03	7.91E-02	3.73E-03	7.93E-01	2.85E-01	7.08E+00	8.70E-03	1.18E-02	1.18E-01	1.87E-03	3.18E-01	2.24E-02	8.73E+00	
360.226	4247.933	2.51E-03	1.19E-01	3.97E-03	2.78E+00	1.59E-02	5.21E+00	2.72E-02	1.37E-02	2.00E-01	2.52E-03	1.85E-01	2.55E-02	8.59E+00	
360.6	4249	8.59E-03	3.46E-02	2.55E-03	1.14E+00	1.12E+00	5.28E+00	1.03E-02	1.42E-02	2.06E-01	1.09E-03	5.51E-01	3.86E-02	8.41E+00	
360.8	4247.9	9.70E-03	3.66E-02	2.12E-03	2.44E+00	2.06E-02	5.43E+00	6.99E-02	1.92E-02	1.51E-01	1.00E-03	9.06E-02	1.46E-02	8.29E+00	
360.052	4248.165	2.06E-03	3.56E-01	1.02E-02	8.43E-01	2.56E-02	6.49E+00	1.11E-02	1.22E-02	9.37E-02	7.23E-03	1.04E-01	1.08E-02	7.97E+00	
360.186	4248.85	5.09E-03	9.55E-02	4.07E-03	7.21E-01	1.87E-01	6.56E+00	8.20E-03	1.13E-02	9.38E-02	2.16E-03	2.56E-01	1.88E-02	7.96E+00	
360.1	4248.2	2.14E-03	5.83E-01	1.62E-02	9.77E-01	3.00E-02	6.08E+00	1.31E-02	1.19E-02	9.48E-02	1.18E-02	1.17E-01	1.20E-02	7.95E+00	
360.261	4247.858	2.34E-03	3.88E-02	1.54E-03	3.82E+00	8.79E-03	3.21E+00	1.89E-02	1.46E-02	4.71E-01	8.85E-04	2.39E-01	4.37E-02	7.88E+00	
360.5	4249.1	6.65E-03	3.82E-02	2.81E-03	8.04E-01	6.33E-01	5.56E+00	8.67E-03	1.32E-02	1.43E-01	1.19E-03	3.58E-01	2.47E-02	7.60E+00	
360.2	4248.9	5.03E-03	8.38E-02	3.80E-03	6.96E-01	2.05E-01	6.05E+00	7.93E-03	1.14E-02	9.66E-02	1.94E-03	2.56E-01	1.85E-02	7.44E+00	
360.03	4248.262	2.14E-03	2.09E-01	6.21E-03	7.43E-01	3.15E-02	6.09E+00	1.00E-02	1.17E-02	7.97E-02	4.30E-03	1.08E-01	1.03E-02	7.31E+00	
360.775	4248.017	9.82E-03	3.48E-02	1.99E-03	1.94E+00	1.85E-02	4.91E+00	6.27E-02	1.79E-02	1.26E-01	9.44E-04	8.93E-02	1.32E-02	7.23E+00	
360.4	4249.1	5.37E-03	4.29E-02	2.89E-03	7.00E-01	4.21E-01	5.42E+00	8.16E-03	1.25E-02	1.27E-01	1.24E-03	2.95E-01	1.99E-02	7.05E+00	
360.6	4247.6	4.29E-03	3.01E-02	1.64E-03	2.96E+00	6.71E-03	3.58E+00	2.26E-02	1.82E-02	2.51E-01	8.02E-04	1.09E-01	3.04E-02	7.01E+00	
360.6	4249.1	8.18E-03	3.36E-02	2.67E-03	8.13E-01	6.41E-01	4.96E+00	8.60E-03	1.39E-02	1.40E-01	1.12E-03	3.50E-01	2.49E-02	7.00E+00	
360.187	4248.927	4.95E-03	7.98E-02	3.71E-03	6.48E-01	1.89E-01	5.57E+00	7.51E-03	1.13E-02	9.07E-02	1.86E-03	2.33E-01	1.69E-02	6.86E+00	
360.305	4247.6	3.01E-03	2.70E-02	1.22E-03	2.46E+00	8.10E-03	3.07E+00	1.33E-02	1.50E-02	9.70E-01	6.50E-04	1.40E-01	3.66E-02	6.74E+00	
360.9	4247.9	1.53E-02	2.93E-02	1.94E-03	1.87E+00	2.14E-02	4.45E+00	4.50E-02	2.18E-02	1.26E-01	8.76E-04	9.59E-02	1.33E-02	6.69E+00	
360.8	4248	1.09E-02	3.29E-02	1.93E-03	1.74E+00	1.78E-02	4.41E+00	5.48E-02	1.83E-02	1.17E-01	9.08E-04	8.38E-02	1.21E-02	6.51E+00	
360.2	4249	4.78E-03	6.75E-02	3.43E-03	5.97E-01	1.95E-01	5.18E+00	7.05E-03	1.14E-02	8.84E-02	1.63E-03	2.14E-01	1.53E-02	6.39E+00	
360.9	4247.8	9.47E-03	2.85E-02	1.96E-03	1.84E+00	1.67E-02	4.15E+00	4.44E-02	2.27E-02	1.29E-01	8.73E-04	8.02E-02	1.22E-02	6.34E+00	
360.9	4248	1.64E-02	2.69E-02	1.88E-03	1.59E+00	2.78E-02	4.16E+00	4.51E-02	2.12E-02	1.11E-01	8.30E-04	1.18E-01	1.46E-02	6.13E+00	
360.7	4249	9.73E-03	2.72E-02	2.21E-03	9.73E-01	6.66E-01	3.73E+00	9.85E-03	1.51E-02	1.76E-01	9.18E-04	4.33E-01	3.06E-02	6.07E+00	
360.9	4247.7	4.70E-03	2.62E-02	1.99E-03	1.84E+00	1.32E-02	3.90E+00	3.76E-02	2.40E-02	1.36E-01	8.64E-04	6.77E-02	1.13E-02	6.06E+00	
360.403	4249.137	5.20E-03	3.96E-02	2.73E-03	5.94E-01	3.56E-01	4.58E+00	7.59E-03	1.24E-02	1.08E-01	1.16E-03	2.27E-01	1.52E-02	5.96E+00	
360.8	4248.102	1.04E-02	2.85E-02	1.86E-03	1.47E+00	2.35E-02	4.10E+00	4.24E-02	1.80E-02	1.04E-01	8.42E-04	1.09E-01	1.43E-02	5.93E+00	
360.498	4249.157	6.17E-03	3.40E-02	2.58E-03	6.62E-01	4.47E-01	4.26E+00	7.84E-03	1.30E-02	1.11E-01	1.08E-03	2.72E-01	1.91E-02	5.84E+00	
360.607	4247.562	4.67E-03	2.77E-02	1.56E-03	2.42E+00	7.23E-03	2.95E+00	1.92E-02	1.87E-02	2.54E-01	7.52E-04	9.78E-02	3.46E-02	5.83E+00	
360.3	4249.1	4.62E-03	4.80E-02	2.90E-03	5.92E-01	2.60E-01	4.52E+00	7.21E-03	1.18E-02	9.59E-02	1.28E-03	2.23E-01	1.56E-02	5.78E+00	
360.254	4247.334	3.56E-03	2.01E-02	8.35E-04	4.83E-01	4.98E-03	4.28E+00	4.11E-03	1.61E-02	8.12E-01	4.63E-04	4.40E-02	7.51E-02	5.74E+00	
360.728	4248.992	9.99E-03	2.58E-02	2.14E-03	9.26E-01	5.86E-01	3.46E+00	9.79E-03	1.54E-02	1.60E-01	8.84E-04	4.04E-01	2.87E-02	5.65E+00	
360.7	4249.1	9.47E-03	2.78E-02	2.45E-03	7.28E-01	4.44E-01	3.92E+00	8.30E-03	1.48E-02	1.22E-01	1.01E-03	2.94E-01	2.13E-02	5.59E+00	
360.334	4249.128	4.69E-03	4.37E-02	2.78E-03	5.55E-01	2.73E-01	4.36E+00	7.16E-03	1.20E-02	9.49E-02	1.21E-03	2.01E-01	1.37E-02	5.57E+00	
360.256	4247.423	4.43E-03	2.43E-02	1.03E-03	7.72E-01	5.71E-03	2.93E+00	5.58E-03	1.58E-02	1.65E+00	5.69E-04	5.42E-02	4.64E-02	5.51E+00	
360.546	4247.561	5.11E-03	2.63E-02	1.40E-03	2.36E+00	6.16E-03	2.56E+00	1.64E-02	1.77E-02	3.16E-01	6.87E-04	1.05E-01	2.12E-02	5.46E+00	
360.9	4247.6	2.06E-02	2.43E-02	1.96E-03	1.64E+00	1.05E-02	3.40E+00	2.86E-02	2.56E-02	1.35E-01	8.45E-04	5.83E-02	1.04E-02	5.36E+00	
360.171	4249.034	4.57E-03	6.14E-02	3.17E-03	5.34E-01	1.61E-01	4.17E+00	6.47E-03	1.11E-02	7.70E-02	1.49E-03	1.82E-01	1.34E-02	5.22E+00	
360.825	4248.188	1.07E-02	2.75E-02	1.88E-03	1.18E+00	3.00E-02	3.67E+00	3.07E-02	1.82E-02	9.07E-02	8.41E-04	1.35E-01	1.77E-02	5.22E+00	
360.9	4248.1	1.41E-02	2.36E-02	1.78E-03	1.24E+00	3.61E-02	3.57E+00	3.59E-02	2.05E-02	9.30E-02	7.65E-04	1.41E-01	1.63E-02	5.19E+00	
360.794	4248.896	1.07E-02	2.49E-02	2.04E-03	8.97E-01	4.70E-01	3.21E+00	1.06E-02	1.65E-02	1.41E-01	8.51E-04	3.69E-01	2.56E-02	5.17E+00	
359.934	4248.308	2.06E-03	9.60E-02	3.28E-03	5.69E-01	2.91E-02	4.19E+00	7.53E-03	1.16E-02	7.14E-02	2.05E-03	9.05E-02	8.71E-03	5.08E+00	
359.992	4248.193	1.83E-03	1.67E-01	5.04E-03	6.83E-01	2.53E-02	3.96E+00	9.09E-03	1.18E-02	8.50E-02	3.46E-03	8.92E-02	9.39E-03	5.05E+00	
360.838	4248.485	1.09E-02	2.84E-02	2.03E-03	9.61E-01	1.25E-01	3.44E+00	1.75E-02	1.81E-02	9.02E-02	8.90E-04	2.89E-01	2.14E-02	5.00E+00	
360.049	4248.941	4.54E-03	6.55E-02	3.13E-03	4.79E-01	9.65E-02	4.03E+00	6.06E-03	1.06E-02	6.12E-02	1.53E-03	1.43E-01	1.12E-02	4.91E+00	
360.843	4248.678	1.13E-02	2.72E-02	2.06E-03	9.01E-01	2.62E-01	3.20E+00	1.36E-02	1.78E-02	1.03E-01	8.94E-04	3.32E-01	2.24E-02	4.89E+00	
360.269	4249.127	4.38E-03	4.63E-02	2.78E-03	5.16E-01	2.05E-01	3.82E+00	6.61E-03	1.16E-02	8.11E-02	1.23E-03	1.79E-01	1.28E-02	4.89E+00	
360.592	4249.185	7.23E-03	2.91E-02	2.40E-03	6.33E-01	3.86E-01	3.35E+00	7.46E-03	1.35E-02	9.90E-02	9.93E-04	2.51E-01	1.84E-02	4.80E+00	
360.1	4249	4.55E-03	6.29E-02	3.10E-03	4.90E-01	1.19E-01	3.79E+00	6.06E-03	1.07E-02	6.61E-02	1.49E-03	1.56E-01	1.19E-02	4.73E+00	
361	4247.9	1.34E-02	2.36E-02	1.72E-03	1.24E+00	2.08E-02	3.17E+00	2.71E-02	2.48E-02	9.37E-02	7.48E-04	8.47E-02	1.05E-02	4.71E+00	
360.827	4248.784	1.11E-02	2.61E-02	2.05E-03	8.41E-01	3.59E-01	2.96E+00	1.13E-02	1.73E-02	1.15E-01	8.71E-04	3.07E-01	2.06E-02	4.67E+00	

TABLE 3.7-2
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
361.2	4244.33	9.98E-04	2.56E-03	2.60E-04	4.24E-02	9.03E-04	1.33E-01	6.26E-04	4.45E+00	1.07E-02	9.71E-05	3.27E-03	4.88E-04	4.64E+00	
361	4248	1.45E-02	2.33E-02	1.76E-03	1.13E+00	2.63E-02	3.19E+00	2.81E-02	2.46E-02	8.79E-02	7.60E-04	1.02E-01	1.15E-02	4.64E+00	
360.826	4248.376	9.83E-03	2.87E-02	1.99E-03	9.47E-01	5.21E-02	3.25E+00	2.09E-02	1.78E-02	8.12E-02	8.83E-04	2.02E-01	1.76E-02	4.63E+00	
360.85	4248.273	1.05E-02	2.80E-02	1.92E-03	9.66E-01	3.72E-02	3.19E+00	2.34E-02	1.84E-02	8.04E-02	8.60E-04	1.52E-01	1.71E-02	4.53E+00	
359.839	4248.354	1.97E-03	5.39E-02	2.07E-03	4.44E-01	2.61E-02	3.82E+00	5.79E-03	1.17E-02	6.61E-02	1.20E-03	7.61E-02	7.19E-03	4.52E+00	
361	4248.1	1.32E-02	2.14E-02	1.70E-03	1.03E+00	3.34E-02	3.14E+00	2.47E-02	2.37E-02	8.25E-02	7.19E-04	1.21E-01	1.31E-02	4.51E+00	
361	4247.8	1.54E-02	2.45E-02	1.79E-03	1.19E+00	1.67E-02	3.02E+00	2.75E-02	2.63E-02	9.43E-02	7.81E-04	7.22E-02	9.48E-03	4.50E+00	
360.2	4249.1	4.31E-03	5.11E-02	2.84E-03	5.01E-01	1.65E-01	3.49E+00	6.22E-03	1.12E-02	7.35E-02	1.29E-03	1.70E-01	1.25E-02	4.49E+00	
361	4248.2	1.23E-02	2.18E-02	1.70E-03	9.58E-01	4.22E-02	3.10E+00	2.18E-02	2.29E-02	7.94E-02	7.25E-04	1.46E-01	1.46E-02	4.42E+00	
360.578	4247.5	4.19E-03	2.30E-02	1.31E-03	1.73E+00	5.96E-03	2.17E+00	1.35E-02	1.86E-02	3.08E-01	6.26E-04	7.86E-02	2.75E-02	4.38E+00	
361	4247.7	1.94E-02	2.34E-02	1.86E-03	1.19E+00	1.34E-02	2.90E+00	2.57E-02	2.81E-02	9.71E-02	7.91E-04	6.07E-02	8.71E-03	4.37E+00	
360.9	4247.5	2.15E-02	2.23E-02	1.85E-03	1.34E+00	8.54E-03	2.71E+00	2.01E-02	2.72E-02	1.31E-01	7.86E-04	5.01E-02	9.32E-03	4.35E+00	
360.858	4248.572	1.08E-02	2.67E-02	1.96E-03	7.86E-01	1.28E-01	2.95E+00	1.39E-02	1.82E-02	7.83E-02	8.57E-04	2.22E-01	1.64E-02	4.25E+00	
360.233	4249.168	4.14E-03	4.42E-02	2.66E-03	4.72E-01	1.57E-01	3.29E+00	5.97E-03	1.13E-02	6.84E-02	1.17E-03	1.58E-01	1.17E-02	4.23E+00	
360.426	4247.312	2.44E-03	1.16E-02	6.62E-04	4.94E-01	3.95E-03	2.87E+00	3.94E-03	1.71E-02	7.12E-01	3.07E-04	3.66E-02	4.80E-02	4.20E+00	
360.9	4248.2	1.20E-02	2.39E-02	1.76E-03	9.08E-01	3.53E-02	2.87E+00	2.28E-02	1.97E-02	7.62E-02	7.66E-04	1.16E-01	1.27E-02	4.10E+00	
361	4247.6	4.68E-02	2.19E-02	2.04E-03	1.15E+00	1.09E-02	2.63E+00	2.22E-02	3.10E-02	9.94E-02	8.36E-04	5.19E-02	8.07E-03	4.08E+00	
359.9	4248.3	1.89E-03	6.97E-02	2.52E-03	5.22E-01	2.67E-02	3.19E+00	6.93E-03	1.16E-02	7.28E-02	1.51E-03	8.15E-02	8.09E-03	4.00E+00	
361	4248.8	1.24E-02	2.28E-02	1.90E-03	6.22E-01	1.40E-01	2.84E+00	8.91E-03	2.17E-02	7.17E-02	8.04E-04	2.15E-01	1.63E-02	3.97E+00	
360.513	4247.475	4.36E-03	1.96E-02	1.10E-03	1.38E+00	5.26E-03	1.93E+00	9.75E-03	1.76E-02	4.94E-01	5.25E-04	6.88E-02	2.45E-02	3.96E+00	
360.8	4249	1.01E-02	2.19E-02	1.93E-03	6.38E-01	3.79E-01	2.50E+00	8.59E-03	1.63E-02	1.09E-01	7.89E-04	2.18E-01	1.50E-02	3.92E+00	
360.875	4248.359	1.03E-02	2.60E-02	1.87E-03	8.06E-01	4.46E-02	2.75E+00	1.79E-02	1.88E-02	7.17E-02	8.17E-04	1.52E-01	1.37E-02	3.91E+00	
359.912	4248.213	1.70E-03	7.49E-02	2.58E-03	5.59E-01	2.31E-02	3.05E+00	7.46E-03	1.17E-02	8.40E-02	1.60E-03	7.67E-02	8.18E-03	3.90E+00	
361.1	4248.1	1.22E-02	2.08E-02	1.66E-03	8.23E-01	3.01E-02	2.78E+00	1.83E-02	2.69E-02	7.16E-02	7.05E-04	1.02E-01	1.04E-02	3.90E+00	
361.1	4248	1.28E-02	2.09E-02	1.67E-03	8.79E-01	2.47E-02	2.69E+00	2.00E-02	2.78E-02	7.46E-02	7.11E-04	8.78E-02	9.51E-03	3.85E+00	
360.171	4249.149	4.06E-03	4.65E-02	2.63E-03	4.41E-01	1.32E-01	2.95E+00	5.61E-03	1.09E-02	6.26E-02	1.18E-03	1.43E-01	1.08E-02	3.81E+00	
361.1	4247.9	1.17E-02	2.10E-02	1.61E-03	9.26E-01	2.01E-02	2.61E+00	1.88E-02	2.79E-02	7.68E-02	6.92E-04	7.64E-02	8.75E-03	3.80E+00	
359.797	4248.242	1.72E-03	5.01E-02	1.94E-03	4.47E-01	1.97E-02	3.08E+00	5.78E-03	1.20E-02	7.99E-02	1.11E-03	6.48E-02	6.91E-03	3.77E+00	
361	4248.7	1.19E-02	2.09E-02	1.76E-03	6.70E-01	1.27E-01	2.54E+00	1.02E-02	2.15E-02	7.21E-02	7.40E-04	2.23E-01	1.71E-02	3.72E+00	
360.9	4248.3	1.07E-02	2.50E-02	1.81E-03	7.82E-01	3.68E-02	2.61E+00	1.86E-02	1.94E-02	6.94E-02	7.92E-04	1.27E-01	1.23E-02	3.72E+00	
361	4248.6	1.13E-02	2.06E-02	1.71E-03	6.84E-01	1.07E-01	2.55E+00	1.16E-02	2.14E-02	7.01E-02	7.17E-04	2.15E-01	1.64E-02	3.71E+00	
361	4248.9	1.22E-02	2.23E-02	1.97E-03	5.56E-01	1.43E-01	2.68E+00	7.85E-03	2.17E-02	6.87E-02	8.17E-04	1.88E-01	1.44E-02	3.71E+00	
360.481	4247.39	3.12E-03	1.46E-02	8.59E-04	8.17E-01	4.54E-03	2.02E+00	5.96E-03	1.76E-02	7.53E-01	3.99E-04	4.56E-02	2.83E-02	3.71E+00	
360.9	4248.5	1.08E-02	2.41E-02	1.82E-03	6.89E-01	6.79E-02	2.59E+00	1.31E-02	1.91E-02	6.62E-02	7.82E-04	1.58E-01	1.27E-02	3.66E+00	
360.198	4249.204	3.94E-03	4.19E-02	2.52E-03	4.23E-01	1.27E-01	2.83E+00	5.42E-03	1.10E-02	5.95E-02	1.10E-03	1.35E-01	1.03E-02	3.65E+00	
361.1	4248.2	9.65E-03	1.93E-02	1.51E-03	7.84E-01	3.66E-02	2.54E+00	1.64E-02	2.47E-02	6.90E-02	6.43E-04	1.17E-01	1.13E-02	3.63E+00	
361.1	4248.6	1.37E-02	2.21E-02	1.84E-03	5.90E-01	7.64E-02	2.65E+00	9.99E-03	2.46E-02	6.11E-02	7.82E-04	1.59E-01	1.27E-02	3.63E+00	
361	4247.5	5.70E-02	2.03E-02	2.04E-03	1.03E+00	8.96E-03	2.29E+00	1.78E-02	3.33E-02	1.01E-01	8.22E-04	4.48E-02	7.45E-03	3.62E+00	
361.1	4248.5	1.17E-02	2.12E-02	1.69E-03	6.33E-01	6.57E-02	2.61E+00	1.20E-02	2.42E-02	6.29E-02	7.22E-04	1.56E-01	1.27E-02	3.61E+00	
361	4248.5	1.12E-02	2.11E-02	1.69E-03	6.66E-01	8.38E-02	2.53E+00	1.29E-02	2.16E-02	6.78E-02	7.15E-04	1.81E-01	1.40E-02	3.61E+00	
361.1	4248.3	9.88E-03	2.02E-02	1.58E-03	7.42E-01	4.46E-02	2.54E+00	1.55E-02	2.44E-02	6.73E-02	6.71E-04	1.32E-01	1.22E-02	3.61E+00	
360.678	4249.21	7.93E-03	2.42E-02	2.15E-03	5.19E-01	2.74E-01	2.47E+00	6.91E-03	1.41E-02	8.19E-02	8.79E-04	1.81E-01	1.33E-02	3.60E+00	
360.9	4248.4	1.05E-02	2.41E-02	1.80E-03	7.19E-01	4.62E-02	2.51E+00	1.51E-02	1.92E-02	6.65E-02	7.74E-04	1.41E-01	1.22E-02	3.56E+00	
361	4248.3	1.11E-02	2.21E-02	1.69E-03	7.32E-01	5.17E-02	2.48E+00	1.76E-02	2.21E-02	6.90E-02	7.23E-04	1.44E-01	1.33E-02	3.56E+00	
360	4249	4.23E-03	4.85E-02	2.51E-03	4.11E-01	8.02E-02	2.81E+00	5.37E-03	1.02E-02	5.30E-02	1.18E-03	1.17E-01	9.33E-03	3.56E+00	
360.1	4249.1	4.14E-03	4.88E-02	2.59E-03	4.10E-01	1.10E-01	2.74E+00	5.40E-03	1.06E-02	5.81E-02	1.20E-03	1.26E-01	9.64E-03	3.53E+00	
361.1	4247.8	1.10E-02	2.01E-02	1.55E-03	8.72E-01	1.64E-02	2.33E+00	1.92E-02	2.80E-02	7.54E-02	6.61E-04	6.56E-02	7.90E-03	3.44E+00	
361.1	4248.7	1.47E-02	2.14E-02	1.90E-03	5.48E-01	8.50E-02	2.49E+00	8.72E-03	2.47E-02	6.00E-02	7.92E-04	1.58E-01	1.25E-02	3.43E+00	
361.1	4247.7	1.52E-02	2.07E-02	1.66E-03	8.71E-01	1.35E-02	2.30E+00	1.92E-02	3.05E-02	7.62E-02	7.02E-04	5.59E-02	7.24E-03	3.41E+00	
360.9	4248.6	1.07E-02	2.40E-02	1.83E-03	6.24E-01	6.42E-02	2.41E+00	1.15E-02	1.89E-02	6.36E-02	7.89E-04	1.50E-01	1.17E-02	3.41E+00	
361.1	4248.4	1.03E-02	1.94E-02	1.56E-03	6.67E-01	5.48E-02	2.38E+00	1.42E-02	2.38E-02	6.39E-02	6.57E-04	1.44E-01	1.25E-02	3.39E+00	
359.868	4248.894	3.79E-03	4.14E-02	2.13E-03	3.69E-01	5.17E-02	2.75E+00	5.17E-03	1.02E-02	4.50E-02	1.01E-03	8.75E-02	7.40E-03	3.37E+00	
360.549	4247.407	2.87E-03	1.73E-02	1.04E-03	1.05E+00	5.14E-03	1.75E+00	8.01E-03	1.88E-02	4.38E-01	4.81E-04	5.17E-02	1.99E-02	3.37E+00	
360.9	4247.4	1.24E-02	1.97E-02	1.60E-03	1.03E+00	7.06E-03	2.05E+00	1.41E-02	2.84E-02	1.26E-01	6.80E-04	4.22E-02	8.24E-03	3.34E+00	
361	4248.4	1.09E-02	2.14E-02	1.67E-03	6.57E-01	6.51E-02	2.31E+00	1.43E-02	2.17E-02	6.64E-02	7.09E-04	1.50E-01	1.26E-02	3.33E+00	
359.958	4248.92	4.06E-03	4.64E-02	2.34E-03	4.07E-01	6.90E-02	2.62E+00	5.59E-03	1.02E-02	5.10E-02	1.12E-03	1.09E-01	8.87E-03	3.33E+00	
360.115	4249.143	4.01E-03	4.56E-02	2.50E-03	3.88E-01	1.09E-01	2.58E+00	5.21E-03	1.06E-02	5.60E-02	1.14E-03	1.17E-01	8.87E-03	3.32E+00	
359.749	4248.592	2.63E-03	4.52E-02	1.83E-03	3.41E-01	3.03E-02	2.76E+00	4.61E-03	1.13E-02	4.62E-02	1.03E-03	6.63E-02	5.95E-03	3.32E+00	
359.754	4248.513	2.33E-03	3.82E-02	1.61E-03	3.47E-01	2.80E-02	2.76E+00	4.59E-03	1.15E-02	5.05E-02	8.88E-04	6.55E-02	5.97E-03	3.32E+00	
360.2	4249.26	3.76E-03	3.81E-02	2.38E-03	3.89E-01	1.12E-01	2.56E+00	5.05E-03	1.08E-02	5.40E-02	1.03E-03	1.21E-01	9.30E-03	3.31E+00	
361.1	4247.6	2.49E-02	2.00E-02	1.82E-03	8.83E-01	1.12E-02	2.16E+00	1.79E-02	3.36E-02	8.06E-02	7.46E-04	4.83E-02	6.77E-03	3.29E+00	
360.804	4247.376	4.91E-03	1.92E-02	1.43E-03	1.09E+00	6.52E-03	1.92E+00	1.25E-02	2.47E-02	1.63E-01	6.23E-04	4.54E-02	1.04E-02	3.29E+00	
361.1	4248.8	1.46E-02	2.09E-02	1.94E-03	5.10E-01	9.20E-02	2.38E+00	7.75E-03	2.46E-02	5.84E-02	7.96E-04	1.56E-01	1.22E-02	3.28E+00	
359.743	4248.646	2.80E-03	4.59E-02	1.86E-03	3.36E-01	3.14E-02	2.72E+00	4.58E-03	1.12E-02	4.41E-02	1.05E-03	6.61E-02	5.89E-03	3.27E+00	
360.9	4249.2	1.00E-02	1.93E-02	1.87E-03	4.47E-01	1.53E-01	2.39E+00	6.42E-03	1.77E-02	6.04E-02	7.52E-04	1.46E-01	1.12E-02	3.27E+00	
361.2	4248	1.07E-02	1.84E-02	1.52E-03	7.35E-01	2.26E-02	2.28E+00	1.59E-02	2.91E-02	6.61E-02	6.39E-04	7.66E-02	8.12E-03	3.26E+00	
359.751	4248.443	2.08E-03	3.68E-02	1.57E-03	3.54E-01	2.52E-02	2.69E+00	4.55E-03	1.17E-02	5.64E-02	8.58E-04	6.40E-02	6.01E-03	3.25E+00	
361.2	4248.1	9.18E-03	1.83E-02	1.45E-03	6.86E-01	2.68E-02	2.30E+00	1.48E-02	2.76E-02	6.44E-02	6.15E-04	8.69E-02	8.67E-03	3.24E+00	
361.2	4248.5	1.17E-02	2.06E-02	1.71E-03	5.61E-01	5.17E-02	2.37E+00	1.08E-02	2.62E-02	5.70E-02	7.27E-04	1.21E-01	1.01E-02	3.24E+00	
360.632	4249.294	6.89E-03	2.48E-02	2.12E-03	4.37E-01	2.05E-01	2.30E+00	6.09E-03	1.33E-02	6.48E-02	8.71E-04	1.41E-01	1.05E-02	3.22E+00	
361.2	4247.9	9.44E-03	1.82E-02	1.45E-03	7.57E-01	1.90E-02	2.21E+00	1.46E-02	2.91E-02	6.63E-02	6.15E-04	6.77E-02	7.53E-03	3.20E+00	
360.9	4248.7	1.09E-02	2.33E-02	1.83E-03	5.79E-01	1.02E-01	2.23E+00	1.01E-02	1.87E-02	6.32E-02	7.84E-04	1.50E-01	1.16E-02	3.20E+00	
359.728	4248.146	1.56E-03	4.54E-02	1.71E-03	4.95E-01	1.50E-02	2.43E+00	5.59E-03	1.21E-02	7.23E-02	9.96E-04	5.67E-02	6.77E-03	3.15E+00	
359.806	4248.302	1.72E-03	4.40E-02	1.75E-03	4.22E-01	2.22E-02	2.47E+00	5.57E-03	1.17E-02	7.36E-02	9.89E-04	6.57E-02	6.73E-03	3.13E+00	
360.9	4249.1	1.01E-02	1.86E-02	1.79E-03	5.12E-01	1.87E-01	2.11E+00	7.16E-03	1.80E-02	7.13E-02	7.18E-04	1.77E-01	1.33E-02	3.12E+00	
361.1	4247.5	3.79E-02	1.86E-02	1.87E-03	8.42E-01	9.35E-03	2.00E+00	1.61E-02	3.62E-02	8.97E-02	7.51E-04	4.21E-02	6.37E-03	3.10E+00	
361.2	4248.6	1.43E-02	1.96E-02	1.78E-03	5.17E-01	5.77E-02	2.24E+00	9.31E-03	2.62E-02	5.44E-02	7.37E-04	1.24E-01	1.01E-02	3.08E+00	
361.2	4248.4	8.76E-03	1.83E-02	1.48E-03	5.99E-01	4.47E-02	2.18E+00	1.21E-02	2.53E-02	5.91E-02	6.26E-04	1.13E-01	1.00E-02	3.07E+00	
361.1	4248.9	1.34E-02	2.02E-02	1.89E-03	4.67E-01	9.48E-02	2.23E+00	6.88E-03	2.43E-02	5.59E-02	7.74E-04	1.43E-01	1.12E-02	3.07E+00	
360.5	4247.3	2.03E-03	1.23E-02	7.58E-04	5.57E-01	4.05E-03	1.86E+00	4.69E-03	1.85E-02	5.32E-01	3.44E-04	3.38E-02	2.65E-02	3.06E+00	
361	4249	1.07E-02	1.91E-02	1.75E-03	4.91E-01	1.36E-01	2.12E+00	7.04E-03	2.10E-02	6.33E-02	7.15E-04	1.62E-01	1.25E-02	3.05E+00	
359.8	4248.9	3.54E-03	3.78E-02	1.94E-03	3.33E-01	4.25E-02	2.49E+00	4.69E-03	1.03E-02	4.08E-02	9.22E-04	7.36E-02	6.31E-03	3.04E+00	
361.2	4248.3	7.97E-03	1.79E-02	1.41E-03	6.32E-01	3.79E-02	2.13E+00	1.28E-02	2.53E-02	6.06E-02	5.97E-04	1.06E-01	9.75E-03	3.04E+00	
359.755	4248.318	1.71E-03	3.76E-02	1.54E-03	3.79E-01	2.06E-02	2.43E+00	4.95E-03	1.17E-02	6.95E-02	8.60E-04	6.00E-02	6.18E-03	3.03E+00	

TABLE 3.7-2
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
360.9	4248.9	1.05E-02	2.07E-02	1.80E-03	5.23E-01	1.79E-01	2.03E+00	8.08E-03	1.84E-02	7.18E-02	7.40E-04	1.50E-01	1.10E-02	3.02E+00	
360.199	4249.312	3.60E-03	3.50E-02	2.25E-03	3.59E-01	1.00E-01	2.34E+00	4.70E-03	1.07E-02	4.94E-02	9.61E-04	1.08E-01	8.41E-03	3.02E+00	
361	4247.4	2.74E-02	1.84E-02	1.72E-03	8.70E-01	7.46E-03	1.90E+00	1.34E-02	3.41E-02	1.06E-01	7.03E-04	3.86E-02	6.74E-03	3.02E+00	
360.9	4248.8	1.07E-02	2.22E-02	1.81E-03	5.29E-01	1.10E-01	2.10E+00	8.78E-03	1.85E-02	6.19E-02	7.82E-04	1.39E-01	1.07E-02	3.02E+00	
359.7	4248.2	1.67E-03	4.20E-02	1.66E-03	4.29E-01	1.55E-02	2.32E+00	5.06E-03	1.21E-02	6.86E-02	9.37E-04	5.41E-02	6.29E-03	2.95E+00	
360	4249.1	3.98E-03	4.11E-02	2.23E-03	3.61E-01	7.63E-02	2.29E+00	4.82E-03	1.01E-02	4.88E-02	1.02E-03	1.05E-01	8.34E-03	2.95E+00	
360.06	4249.18	3.83E-03	4.06E-02	2.27E-03	3.58E-01	8.74E-02	2.27E+00	4.69E-03	1.02E-02	4.94E-02	1.02E-03	1.06E-01	8.36E-03	2.94E+00	
360.585	4249.378	5.88E-03	2.47E-02	2.07E-03	3.76E-01	1.49E-01	2.17E+00	5.42E-03	1.26E-02	5.24E-02	8.48E-04	1.12E-01	8.60E-03	2.92E+00	
360.088	4249.225	3.72E-03	3.92E-02	2.27E-03	3.52E-01	8.84E-02	2.25E+00	4.58E-03	1.03E-02	4.86E-02	1.00E-03	1.04E-01	8.18E-03	2.91E+00	
360.41	4247.229	1.83E-03	1.01E-02	5.90E-04	3.79E-01	3.92E-03	1.94E+00	3.24E-03	1.75E-02	4.87E-01	2.71E-04	3.60E-02	2.89E-02	2.91E+00	
361.2	4247.8	8.55E-03	1.79E-02	1.41E-03	7.00E-01	1.60E-02	1.99E+00	1.47E-02	2.93E-02	6.40E-02	5.98E-04	5.93E-02	6.85E-03	2.91E+00	
359.7	4248.7	2.79E-03	4.11E-02	1.73E-03	3.13E-01	2.95E-02	2.39E+00	4.24E-03	1.12E-02	4.20E-02	9.56E-04	6.02E-02	5.38E-03	2.90E+00	
360.9	4249	1.01E-02	1.92E-02	1.76E-03	4.92E-01	2.07E-01	1.91E+00	7.43E-03	1.82E-02	7.45E-02	7.14E-04	1.48E-01	1.07E-02	2.90E+00	
360.8	4249.1	9.31E-03	2.02E-02	1.85E-03	4.53E-01	1.70E-01	2.01E+00	7.07E-03	1.59E-02	6.36E-02	7.49E-04	1.25E-01	9.39E-03	2.89E+00	
361.2	4248.7	1.34E-02	1.86E-02	1.65E-03	4.73E-01	6.18E-02	2.09E+00	7.97E-03	2.57E-02	5.23E-02	6.87E-04	1.21E-01	9.91E-03	2.88E+00	
359.7	4248.6	2.48E-03	3.83E-02	1.61E-03	3.13E-01	2.72E-02	2.37E+00	4.18E-03	1.15E-02	4.57E-02	8.91E-04	5.97E-02	5.42E-03	2.88E+00	
361	4249.1	1.02E-02	1.79E-02	1.69E-03	4.36E-01	1.26E-01	2.02E+00	6.39E-03	2.04E-02	5.69E-02	6.84E-04	1.41E-01	1.09E-02	2.85E+00	
361.2	4247.7	9.90E-03	1.83E-02	1.46E-03	6.91E-01	1.33E-02	1.94E+00	1.54E-02	3.10E-02	6.56E-02	6.17E-04	5.18E-02	6.32E-03	2.84E+00	
359.7	4248.5	2.18E-03	3.26E-02	1.46E-03	3.18E-01	2.44E-02	2.31E+00	4.07E-03	1.18E-02	5.24E-02	7.76E-04	5.82E-02	5.47E-03	2.82E+00	
360	4249.2	3.73E-03	3.70E-02	2.11E-03	3.26E-01	7.18E-02	2.21E+00	4.29E-03	9.96E-03	4.44E-02	9.40E-04	9.18E-02	7.32E-03	2.81E+00	
361.3	4248.4	8.06E-03	1.79E-02	1.42E-03	5.18E-01	3.65E-02	2.03E+00	1.02E-02	2.63E-02	5.41E-02	6.09E-04	9.16E-02	8.16E-03	2.81E+00	
359.7	4248.8	3.08E-03	3.79E-02	1.75E-03	3.07E-01	3.13E-02	2.30E+00	4.19E-03	1.09E-02	3.92E-02	9.03E-04	5.98E-02	5.30E-03	2.81E+00	
361.2	4247.6	1.34E-02	1.84E-02	1.56E-03	7.11E-01	1.12E-02	1.87E+00	1.50E-02	3.42E-02	7.33E-02	6.49E-04	4.55E-02	5.94E-03	2.80E+00	
361.2	4248.2	7.48E-03	1.71E-02	1.33E-03	5.98E-01	3.16E-02	1.94E+00	1.30E-02	2.53E-02	5.86E-02	5.66E-04	9.16E-02	8.61E-03	2.79E+00	
361.1	4247.4	3.21E-02	1.71E-02	1.73E-03	7.59E-01	7.90E-03	1.78E+00	1.30E-02	3.77E-02	9.74E-02	6.94E-04	3.68E-02	5.90E-03	2.79E+00	
360.516	4247.275	1.85E-03	1.21E-02	7.65E-04	5.31E-01	4.20E-03	1.68E+00	4.61E-03	1.91E-02	4.76E-01	3.44E-04	3.20E-02	2.28E-02	2.78E+00	
360.9	4249.3	9.14E-03	1.73E-02	1.73E-03	3.94E-01	1.22E-01	2.03E+00	5.73E-03	1.71E-02	5.20E-02	6.92E-04	1.22E-01	9.45E-03	2.78E+00	
361.1	4249	1.10E-02	1.81E-02	1.65E-03	4.17E-01	9.14E-02	2.02E+00	6.23E-03	2.34E-02	5.21E-02	6.77E-04	1.25E-01	9.87E-03	2.78E+00	
359.9	4249	3.84E-03	3.65E-02	2.02E-03	3.52E-01	5.83E-02	2.16E+00	4.85E-03	9.96E-03	4.45E-02	9.15E-04	8.97E-02	7.41E-03	2.77E+00	
361.3	4248.5	9.40E-03	1.81E-02	1.54E-03	4.97E-01	4.10E-02	2.01E+00	9.62E-03	2.65E-02	5.23E-02	6.50E-04	9.63E-02	8.26E-03	2.77E+00	
361	4249.2	1.04E-02	1.79E-02	1.81E-03	3.90E-01	1.11E-01	2.02E+00	5.75E-03	2.00E-02	5.12E-02	7.18E-04	1.21E-01	9.43E-03	2.76E+00	
360.8	4249.2	8.82E-03	1.93E-02	1.82E-03	4.31E-01	1.90E-01	1.89E+00	6.49E-03	1.55E-02	6.44E-02	7.35E-04	1.25E-01	9.28E-03	2.76E+00	
361.3	4248	7.59E-03	1.55E-02	1.27E-03	6.33E-01	2.02E-02	1.91E+00	1.32E-02	2.86E-02	5.87E-02	5.32E-04	6.73E-02	7.05E-03	2.76E+00	
361.3	4247.9	8.22E-03	1.62E-02	1.34E-03	6.41E-01	1.75E-02	1.91E+00	1.20E-02	3.00E-02	5.82E-02	5.60E-04	6.00E-02	6.58E-03	2.76E+00	
359.9	4249.2	3.55E-03	3.22E-02	1.88E-03	2.88E-01	5.47E-02	2.24E+00	3.88E-03	9.66E-03	3.86E-02	8.32E-04	7.57E-02	6.16E-03	2.76E+00	
359.7	4248.4	1.90E-03	3.33E-02	1.45E-03	3.28E-01	2.11E-02	2.23E+00	4.16E-03	1.19E-02	6.05E-02	7.85E-04	5.61E-02	5.61E-03	2.75E+00	
361.2	4248.8	1.24E-02	1.81E-02	1.58E-03	4.38E-01	6.63E-02	2.00E+00	6.91E-03	2.54E-02	5.04E-02	6.57E-04	1.20E-01	9.68E-03	2.75E+00	
361.3	4248.3	7.64E-03	1.75E-02	1.35E-03	5.40E-01	3.21E-02	1.95E+00	1.05E-02	2.64E-02	5.56E-02	5.80E-04	8.74E-02	8.01E-03	2.73E+00	
359.675	4248.099	1.41E-03	3.90E-02	1.49E-03	4.68E-01	1.29E-02	2.07E+00	5.42E-03	1.20E-02	6.50E-02	8.60E-04	4.97E-02	5.93E-03	2.73E+00	
360	4249.3	3.42E-03	3.33E-02	1.97E-03	2.87E-01	6.31E-02	2.21E+00	3.78E-03	9.81E-03	3.96E-02	8.67E-04	7.92E-02	6.33E-03	2.73E+00	
360.6	4249.4	5.89E-03	2.38E-02	2.01E-03	3.50E-01	1.21E-01	2.03E+00	5.17E-03	1.26E-02	4.72E-02	8.21E-04	9.84E-02	7.68E-03	2.70E+00	
361.2	4247.5	2.11E-02	1.73E-02	1.67E-03	7.02E-01	9.56E-03	1.77E+00	1.39E-02	3.78E-02	8.22E-02	6.73E-04	4.00E-02	5.63E-03	2.70E+00	
360.195	4249.375	3.40E-03	3.15E-02	2.08E-03	3.24E-01	8.74E-02	2.08E+00	4.30E-03	1.05E-02	4.44E-02	8.78E-04	9.45E-02	7.39E-03	2.69E+00	
360.068	4249.275	3.53E-03	3.58E-02	2.12E-03	3.20E-01	7.72E-02	2.08E+00	4.19E-03	1.01E-02	4.42E-02	9.28E-04	9.20E-02	7.28E-03	2.68E+00	
361.3	4248.6	1.01E-02	1.70E-02	1.50E-03	4.62E-01	4.47E-02	1.93E+00	8.74E-03	2.62E-02	4.96E-02	6.24E-04	9.87E-02	8.28E-03	2.65E+00	
360.538	4249.462	5.01E-03	2.40E-02	1.98E-03	3.24E-01	1.05E-01	2.02E+00	4.80E-03	1.19E-02	4.32E-02	8.09E-04	8.77E-02	6.90E-03	2.63E+00	
359.7	4248.3	1.64E-03	3.06E-02	1.31E-03	3.62E-01	1.80E-02	2.07E+00	4.59E-03	1.17E-02	6.62E-02	7.12E-04	5.34E-02	5.85E-03	2.62E+00	
360.8	4247.3	4.27E-03	1.70E-02	1.28E-03	8.25E-01	5.73E-03	1.52E+00	9.41E-03	2.59E-02	1.63E-01	5.52E-04	3.87E-02	9.21E-03	2.62E+00	
360.9	4247.3	8.19E-03	1.70E-02	1.40E-03	7.81E-01	5.93E-03	1.58E+00	1.03E-02	3.02E-02	1.33E-01	5.89E-04	3.55E-02	7.22E-03	2.61E+00	
361.2	4248.9	1.14E-02	1.71E-02	1.51E-03	4.04E-01	6.88E-02	1.90E+00	6.11E-03	2.51E-02	4.84E-02	6.25E-04	1.14E-01	9.12E-03	2.60E+00	
361.3	4248.1	6.58E-03	1.49E-02	1.20E-03	5.82E-01	2.36E-02	1.79E+00	1.25E-02	2.68E-02	5.70E-02	5.04E-04	7.34E-02	7.37E-03	2.60E+00	
359.7	4248.9	3.18E-03	3.36E-02	1.69E-03	2.87E-01	3.25E-02	2.10E+00	4.04E-03	1.06E-02	3.67E-02	8.20E-04	5.82E-02	5.09E-03	2.58E+00	
360.7	4249.3	7.37E-03	2.17E-02	1.93E-03	3.68E-01	1.12E-01	1.86E+00	5.63E-03	1.39E-02	4.88E-02	7.89E-04	9.76E-02	7.73E-03	2.55E+00	
360.9	4249.4	8.56E-03	1.68E-02	1.72E-03	3.49E-01	9.68E-02	1.89E+00	5.15E-03	1.66E-02	4.56E-02	6.85E-04	1.02E-01	8.02E-03	2.54E+00	
361.2	4247.4	2.03E-02	1.62E-02	1.55E-03	6.62E-01	8.17E-03	1.64E+00	1.23E-02	3.89E-02	8.62E-02	6.26E-04	3.54E-02	5.29E-03	2.52E+00	
360.032	4249.325	3.35E-03	3.26E-02	1.96E-03	2.88E-01	6.56E-02	1.99E+00	3.77E-03	9.88E-03	3.98E-02	8.55E-04	8.00E-02	6.38E-03	2.52E+00	
361.3	4247.8	7.43E-03	1.61E-02	1.29E-03	5.81E-01	1.51E-02	1.74E+00	1.17E-02	3.01E-02	5.65E-02	5.44E-04	5.29E-02	6.01E-03	2.52E+00	
361	4249.3	1.04E-02	1.66E-02	1.90E-03	3.49E-01	9.73E-02	1.85E+00	5.20E-03	1.94E-02	4.58E-02	7.35E-04	1.03E-01	8.07E-03	2.51E+00	
361.3	4248.7	1.07E-02	1.62E-02	1.44E-03	4.23E-01	4.70E-02	1.81E+00	7.55E-03	2.60E-02	4.69E-02	5.94E-04	9.65E-02	8.10E-03	2.49E+00	
361	4247.3	1.38E-02	1.63E-02	1.46E-03	7.10E-01	6.29E-03	1.54E+00	1.03E-02	3.51E-02	1.14E-01	6.02E-04	3.34E-02	6.03E-03	2.48E+00	
360.8	4249.3	8.18E-03	1.84E-02	1.76E-03	3.81E-01	1.42E-01	1.71E+00	5.80E-03	1.51E-02	5.44E-02	7.07E-04	1.08E-01	8.20E-03	2.46E+00	
359.9	4249.3	3.28E-03	2.93E-02	1.75E-03	2.57E-01	4.96E-02	1.99E+00	3.45E-03	9.50E-03	3.51E-02	7.69E-04	6.69E-02	5.44E-03	2.46E+00	
361.4	4248.3	7.38E-03	1.66E-02	1.30E-03	4.70E-01	2.73E-02	1.77E+00	8.81E-03	2.74E-02	5.05E-02	5.57E-04	7.16E-02	6.68E-03	2.45E+00	
359.9	4249.1	3.69E-03	3.26E-02	1.87E-03	3.17E-01	5.78E-02	1.89E+00	4.35E-03	9.77E-03	4.16E-02	8.35E-04	8.29E-02	6.80E-03	2.45E+00	
360.191	4249.427	3.25E-03	2.87E-02	1.94E-03	2.98E-01	7.84E-02	1.89E+00	4.02E-03	1.03E-02	4.09E-02	8.11E-04	8.45E-02	6.65E-03	2.45E+00	
359.627	4248.675	2.52E-03	3.58E-02	1.54E-03	2.80E-01	2.44E-02	1.98E+00	3.73E-03	1.16E-02	4.31E-02	8.44E-04	5.19E-02	4.79E-03	2.44E+00	
359.652	4248.019	1.30E-03	3.84E-02	1.42E-03	4.31E-01	1.13E-02	1.81E+00	5.67E-03	1.22E-02	6.35E-02	8.37E-04	4.57E-02	5.47E-03	2.43E+00	
361.3	4247.7	8.84E-03	1.64E-02	1.33E-03	5.55E-01	1.28E-02	1.67E+00	1.21E-02	3.22E-02	6.06E-02	5.60E-04	4.69E-02	5.57E-03	2.43E+00	
361.4	4248.4	7.49E-03	1.61E-02	1.30E-03	4.50E-01	3.01E-02	1.74E+00	8.61E-03	2.68E-02	4.94E-02	5.56E-04	7.38E-02	6.73E-03	2.41E+00	
359.628	4248.588	2.26E-03	2.98E-02	1.36E-03	2.80E-01	2.28E-02	1.94E+00	3.61E-03	1.18E-02	4.73E-02	7.17E-04	5.11E-02	4.84E-03	2.40E+00	
360.491	4249.545	4.34E-03	2.33E-02	1.88E-03	2.90E-01	8.51E-02	1.86E+00	4.31E-03	1.12E-02	3.86E-02	7.70E-04	7.47E-02	5.95E-03	2.40E+00	
361.4	4247.9	6.69E-03	1.43E-02	1.19E-03	5.49E-01	1.59E-02	1.65E+00	1.00E-02	3.04E-02	5.19E-02	4.98E-04	5.38E-02	5.82E-03	2.39E+00	
361.1	4247.3	2.34E-02	1.57E-02	1.58E-03	6.52E-01	6.71E-03	1.50E+00	1.01E-02	3.95E-02	9.73E-02	6.34E-04	3.24E-02	5.38E-03	2.38E+00	
361.3	4248.2	6.24E-03	1.56E-02	1.21E-03	5.06E-01	2.75E-02	1.64E+00	1.08E-02	2.57E-02	5.31E-02	5.14E-04	7.59E-02	7.16E-03	2.37E+00	
361.3	4247.6	1.15E-02	1.65E-02	1.42E-03	5.64E-01	1.09E-02	1.60E+00	1.17E-02	3.61E-02	6.89E-02	5.89E-04	4.15E-02	5.22E-03	2.37E+00	
359.6	4248.1	1.46E-03	3.47E-02	1.41E-03	4.04E-01	1.15E-02	1.79E+00	4.81E-03	1.21E-02	5.98E-02	7.78E-04	4.30E-02	5.04E-03	2.36E+00	
361.2	4249	1.04E-02	1.61E-02	1.48E-03	3.62E-01	6.66E-02	1.72E+00	5.54E-03	2.47E-02	4.50E-02	6.04E-04	1.01E-01	8.11E-03	2.36E+00	
361.4	4248.2	6.45E-03	1.57E-02	1.20E-03	4.85E-01	2.41E-02	1.67E+00	9.36E-03	2.73E-02	5.08E-02	5.17E-04	6.87E-02	6.60E-03	2.36E+00	
361.3	4248.8	1.11E-02	1.58E-02	1.41E-03	3.89E-01	5.02E-02	1.71E+00	6.49E-03	2.59E-02	4.48E-02	5.83E-04	9.43E-02	7.87E-03	2.36E+00	
359.628	4248.5	2.06E-03	2.79E-02	1.33E-03	2.80E-01	2.09E-02	1.90E+00	3.53E-03	1.20E-02	5.28E-02	6.81E-04	4.99E-02	4.92E-03	2.36E+00	
361.4	4248.5	8.15E-03	1.60E-02	1.36E-03	4.32E-01	3.28E-02	1.70E+00	8.40E-03	2.66E-02	4.79E-02	5.73E-04	7.73E-02	6.80E-03	2.35E+00	
361.1	4249.1	9.82E-03	1.60E-02	1.52E-03	3.72E-01	8.66E-02	1.66E+00	5.66E-03	2.25E-02	4.75E-02	6.13E-04	1.10E-01	8.77E-03	2.34E+00	
359.6	4248.2	1.78E-03	3.35E-02	1.43E-03	3.79E-01	1.30E-02	1.78E+00	4.37E-03	1.22E-02	5.74E-02	7.72E-04	4.50E-02	5.29E-03	2.34E+00	
360.8	4249.4	7.61E-03	1.80E-02	1.73E-03	3.57E-01	1.10E-01	1.66E+00	5.35E-03	1.47E-02	4.86E-02	6.95E-04	1.05E-01	8.15E-03	2.33E+00	

TABLE 3.7-2
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.626	4248.301	1.65E-03	2.59E-02	1.16E-03	3.38E-01	1.58E-02	1.82E+00	4.13E-03	1.18E-02	5.84E-02	6.16E-04	4.74E-02	5.40E-03	2.33E+00	
359.629	4248.371	1.69E-03	2.59E-02	1.16E-03	3.06E-01	1.76E-02	1.84E+00	3.83E-03	1.18E-02	5.83E-02	6.19E-04	4.81E-02	5.21E-03	2.32E+00	
360.771	4247.244	3.35E-03	1.55E-02	1.14E-03	6.89E-01	5.23E-03	1.33E+00	7.58E-03	2.58E-02	1.94E-01	4.92E-04	3.57E-02	9.60E-03	2.31E+00	
360.7	4249.5	6.33E-03	2.02E-02	1.81E-03	3.21E-01	9.86E-02	1.70E+00	4.81E-03	1.30E-02	4.36E-02	7.33E-04	8.94E-02	7.00E-03	2.31E+00	
360.6	4249.5	5.36E-03	2.20E-02	1.85E-03	2.96E-01	7.51E-02	1.77E+00	4.51E-03	1.21E-02	3.78E-02	7.56E-04	7.39E-02	6.01E-03	2.31E+00	
361.1	4249.2	9.95E-03	1.58E-02	1.63E-03	3.36E-01	8.01E-02	1.69E+00	5.05E-03	2.20E-02	4.36E-02	6.43E-04	9.74E-02	7.81E-03	2.31E+00	
361.4	4248.1	6.36E-03	1.42E-02	1.13E-03	5.07E-01	2.09E-02	1.60E+00	1.05E-02	2.78E-02	5.08E-02	4.80E-04	6.36E-02	6.39E-03	2.31E+00	
361.3	4247.5	1.18E-02	1.59E-02	1.40E-03	5.70E-01	9.45E-03	1.53E+00	1.13E-02	3.89E-02	7.23E-02	5.77E-04	3.71E-02	4.97E-03	2.30E+00	
361.4	4248	5.78E-03	1.29E-02	1.08E-03	5.46E-01	1.82E-02	1.56E+00	1.09E-02	2.80E-02	5.12E-02	4.49E-04	5.80E-02	6.11E-03	2.30E+00	
361.4	4248.6	9.03E-03	1.51E-02	1.39E-03	4.09E-01	3.51E-02	1.68E+00	7.81E-03	2.65E-02	4.55E-02	5.71E-04	7.92E-02	6.81E-03	2.29E+00	
360.7	4249.4	6.75E-03	2.08E-02	1.84E-03	3.23E-01	8.55E-02	1.71E+00	5.03E-03	1.34E-02	4.18E-02	7.53E-04	8.10E-02	6.53E-03	2.29E+00	
360.9	4249.5	8.09E-03	1.66E-02	1.75E-03	3.12E-01	7.69E-02	1.70E+00	4.65E-03	1.61E-02	4.06E-02	6.89E-04	8.61E-02	6.87E-03	2.27E+00	
359.8	4249	3.46E-03	2.98E-02	1.70E-03	3.04E-01	4.34E-02	1.74E+00	4.35E-03	9.91E-03	3.85E-02	7.61E-04	6.96E-02	5.92E-03	2.26E+00	
361.2	4247.3	1.77E-02	1.51E-02	1.45E-03	5.95E-01	7.04E-03	1.45E+00	1.01E-02	4.03E-02	8.52E-02	5.85E-04	3.17E-02	4.90E-03	2.26E+00	
361	4249.4	9.85E-03	1.55E-02	1.90E-03	3.14E-01	8.32E-02	1.67E+00	4.74E-03	1.87E-02	4.09E-02	7.22E-04	8.64E-02	6.88E-03	2.25E+00	
361.3	4248.9	1.09E-02	1.55E-02	1.41E-03	3.58E-01	5.24E-02	1.63E+00	5.70E-03	2.58E-02	4.29E-02	5.82E-04	9.15E-02	7.55E-03	2.24E+00	
359.629	4247.939	1.16E-03	3.57E-02	1.26E-03	4.08E-01	9.85E-03	1.65E+00	5.20E-03	1.18E-02	6.74E-02	7.73E-04	4.17E-02	5.08E-03	2.23E+00	
361.3	4247.4	1.09E-02	1.50E-02	1.32E-03	5.68E-01	8.23E-03	1.47E+00	1.10E-02	3.94E-02	7.34E-02	5.42E-04	3.37E-02	4.74E-03	2.23E+00	
359.6	4248.8	2.67E-03	3.15E-02	1.44E-03	2.56E-01	2.45E-02	1.81E+00	3.61E-03	1.13E-02	3.77E-02	7.56E-04	4.79E-02	4.35E-03	2.23E+00	
360.189	4249.503	3.06E-03	2.57E-02	1.79E-03	2.69E-01	6.72E-02	1.72E+00	3.67E-03	1.01E-02	3.68E-02	7.39E-04	7.25E-02	5.78E-03	2.22E+00	
361.4	4248.7	1.07E-02	1.42E-02	1.43E-03	3.80E-01	3.65E-02	1.59E+00	6.99E-03	2.65E-02	4.28E-02	5.70E-04	7.79E-02	6.66E-03	2.20E+00	
360.7	4249.6	5.91E-03	1.93E-02	1.73E-03	3.03E-01	7.84E-02	1.64E+00	4.40E-03	1.26E-02	3.90E-02	6.98E-04	8.49E-02	6.81E-03	2.19E+00	
360.8	4249.5	7.07E-03	1.78E-02	1.69E-03	3.28E-01	8.75E-02	1.58E+00	4.85E-03	1.43E-02	4.28E-02	6.81E-04	9.37E-02	7.46E-03	2.19E+00	
360.5	4247.189	1.49E-03	1.02E-02	6.82E-04	3.86E-01	3.54E-03	1.33E+00	3.55E-03	1.92E-02	3.84E-01	3.02E-04	2.64E-02	1.70E-02	2.18E+00	
359.6	4248	1.23E-03	3.43E-02	1.29E-03	3.90E-01	1.02E-02	1.61E+00	5.18E-03	1.19E-02	6.12E-02	7.53E-04	4.14E-02	4.96E-03	2.17E+00	
360.9	4247.2	6.79E-03	1.52E-02	1.31E-03	6.13E-01	5.08E-03	1.30E+00	7.91E-03	3.30E-02	1.47E-01	5.41E-04	3.06E-02	7.00E-03	2.17E+00	
360.5	4249.6	4.21E-03	2.19E-02	1.78E-03	2.62E-01	6.03E-02	1.68E+00	3.98E-03	1.10E-02	3.34E-02	7.27E-04	6.23E-02	5.14E-03	2.15E+00	
361.4	4247.8	6.52E-03	1.41E-02	1.15E-03	4.90E-01	1.39E-02	1.48E+00	9.36E-03	3.07E-02	5.12E-02	4.81E-04	4.78E-02	5.30E-03	2.15E+00	
360.8	4247.2	3.46E-03	1.46E-02	1.10E-03	6.11E-01	4.93E-03	1.24E+00	6.95E-03	2.71E-02	1.93E-01	4.70E-04	3.26E-02	8.97E-03	2.14E+00	
361.2	4249.1	1.01E-02	1.53E-02	1.50E-03	3.23E-01	6.29E-02	1.56E+00	4.99E-03	2.43E-02	4.12E-02	5.99E-04	8.78E-02	7.14E-03	2.14E+00	
359.8	4249.3	3.05E-03	2.50E-02	1.54E-03	2.31E-01	3.90E-02	1.73E+00	3.17E-03	9.34E-03	3.10E-02	6.71E-04	5.56E-02	4.61E-03	2.14E+00	
361.1	4249.3	1.01E-02	1.49E-02	1.73E-03	3.07E-01	7.40E-02	1.57E+00	4.57E-03	2.14E-02	4.03E-02	6.64E-04	8.54E-02	6.89E-03	2.14E+00	
359.984	4249.373	3.13E-03	2.84E-02	1.73E-03	2.55E-01	5.45E-02	1.66E+00	3.39E-03	9.59E-03	3.55E-02	7.52E-04	6.76E-02	5.48E-03	2.12E+00	
361	4247.2	1.26E-02	1.49E-02	1.46E-03	5.90E-01	5.35E-03	1.29E+00	8.35E-03	3.91E-02	1.20E-01	5.88E-04	2.94E-02	5.84E-03	2.12E+00	
360.444	4249.629	3.79E-03	2.21E-02	1.75E-03	2.52E-01	5.96E-02	1.65E+00	3.81E-03	1.06E-02	3.26E-02	7.18E-04	5.96E-02	4.89E-03	2.10E+00	
361.3	4247.3	1.13E-02	1.42E-02	1.27E-03	5.38E-01	7.20E-03	1.37E+00	1.00E-02	4.08E-02	7.48E-02	5.21E-04	3.05E-02	4.48E-03	2.10E+00	
361.5	4248.3	6.09E-03	1.45E-02	1.14E-03	4.09E-01	2.31E-02	1.50E+00	7.68E-03	2.77E-02	4.50E-02	4.88E-04	5.88E-02	5.63E-03	2.10E+00	
359.606	4247.882	1.16E-03	3.71E-02	1.29E-03	3.80E-01	8.84E-03	1.53E+00	4.80E-03	1.19E-02	7.37E-02	8.00E-04	3.87E-02	4.91E-03	2.10E+00	
359.555	4248.218	1.86E-03	2.96E-02	1.33E-03	3.47E-01	1.24E-02	1.58E+00	4.03E-03	1.22E-02	5.40E-02	6.98E-04	4.15E-02	4.88E-03	2.09E+00	
361.5	4248.2	5.96E-03	1.43E-02	1.11E-03	4.24E-01	2.09E-02	1.46E+00	8.20E-03	2.81E-02	4.49E-02	4.76E-04	5.73E-02	5.61E-03	2.07E+00	
361.5	4248.4	6.97E-03	1.46E-02	1.18E-03	3.93E-01	2.48E-02	1.49E+00	7.32E-03	2.76E-02	4.45E-02	5.04E-04	6.03E-02	5.65E-03	2.07E+00	
361.4	4248.8	1.17E-02	1.37E-02	1.43E-03	3.51E-01	3.90E-02	1.50E+00	6.20E-03	2.64E-02	4.06E-02	5.67E-04	7.53E-02	6.45E-03	2.07E+00	
361.3	4249	1.10E-02	1.52E-02	1.47E-03	3.24E-01	5.11E-02	1.51E+00	5.08E-03	2.58E-02	4.01E-02	5.95E-04	8.33E-02	6.85E-03	2.07E+00	
360.186	4249.569	2.92E-03	2.37E-02	1.68E-03	2.47E-01	5.87E-02	1.62E+00	3.42E-03	9.86E-03	3.36E-02	6.90E-04	6.38E-02	5.15E-03	2.07E+00	
360.6	4249.6	4.94E-03	2.04E-02	1.72E-03	2.67E-01	6.25E-02	1.59E+00	4.07E-03	1.17E-02	3.39E-02	7.00E-04	6.40E-02	5.28E-03	2.07E+00	
361.5	4248.1	5.95E-03	1.34E-02	1.07E-03	4.48E-01	1.86E-02	1.43E+00	9.05E-03	2.88E-02	4.53E-02	4.53E-04	5.46E-02	5.51E-03	2.06E+00	
361.1	4247.2	2.04E-02	1.45E-02	1.58E-03	5.57E-01	5.74E-03	1.27E+00	8.35E-03	4.28E-02	9.94E-02	6.23E-04	2.90E-02	5.16E-03	2.06E+00	
359.524	4248.149	1.61E-03	2.94E-02	1.29E-03	3.51E-01	1.08E-02	1.55E+00	4.01E-03	1.19E-02	5.40E-02	6.82E-04	3.81E-02	4.43E-03	2.06E+00	
360.9	4249.6	7.52E-03	1.63E-02	1.73E-03	2.81E-01	6.16E-02	1.55E+00	4.25E-03	1.55E-02	3.62E-02	6.79E-04	7.28E-02	5.91E-03	2.05E+00	
361.5	4248	5.27E-03	1.21E-02	1.01E-03	4.81E-01	1.64E-02	1.39E+00	9.27E-03	2.92E-02	4.64E-02	4.21E-04	5.08E-02	5.35E-03	2.05E+00	
361.4	4247.7	8.26E-03	1.45E-02	1.22E-03	4.43E-01	1.20E-02	1.41E+00	9.27E-03	3.36E-02	5.43E-02	5.06E-04	4.18E-02	4.78E-03	2.04E+00	
361	4249.5	9.12E-03	1.46E-02	1.87E-03	2.84E-01	6.81E-02	1.51E+00	4.32E-03	1.80E-02	3.70E-02	7.03E-04	7.39E-02	5.98E-03	2.03E+00	
360.395	4247.146	1.43E-03	8.98E-03	5.54E-04	2.70E-01	3.57E-03	1.20E+00	2.62E-03	1.78E-02	4.73E-01	2.51E-04	3.53E-02	1.21E-02	2.03E+00	
361.5	4247.9	5.27E-03	1.22E-02	1.02E-03	4.81E-01	1.45E-02	1.37E+00	8.60E-03	3.04E-02	4.78E-02	4.25E-04	4.78E-02	5.16E-03	2.03E+00	
361.5	4248.5	9.29E-03	1.46E-02	1.34E-03	3.80E-01	2.67E-02	1.44E+00	7.12E-03	2.77E-02	4.36E-02	5.51E-04	6.27E-02	5.71E-03	2.02E+00	
360.2	4249.6	2.88E-03	2.29E-02	1.64E-03	2.42E-01	5.66E-02	1.58E+00	3.38E-03	9.80E-03	3.28E-02	6.73E-04	6.20E-02	5.02E-03	2.02E+00	
360.6	4249.7	4.68E-03	1.93E-02	1.65E-03	2.61E-01	6.65E-02	1.54E+00	3.87E-03	1.13E-02	3.40E-02	6.67E-04	6.74E-02	5.44E-03	2.01E+00	
360.771	4247.141	2.79E-03	1.34E-02	9.82E-04	5.29E-01	4.53E-03	1.15E+00	5.77E-03	2.69E-02	2.39E-01	4.23E-04	3.05E-02	9.71E-03	2.01E+00	
360.8	4249.6	6.52E-03	1.73E-02	1.62E-03	2.93E-01	7.02E-02	1.48E+00	4.39E-03	1.38E-02	3.77E-02	6.52E-04	7.81E-02	6.32E-03	2.01E+00	
359.8	4249.1	3.34E-03	2.64E-02	1.59E-03	2.74E-01	4.33E-02	1.53E+00	3.95E-03	9.65E-03	3.58E-02	6.94E-04	6.53E-02	5.50E-03	2.00E+00	
361.2	4247.2	1.77E-02	1.41E-02	1.44E-03	5.26E-01	6.11E-03	1.26E+00	8.31E-03	4.32E-02	8.49E-02	5.71E-04	2.86E-02	4.68E-03	1.99E+00	
360.178	4249.644	2.77E-03	2.21E-02	1.58E-03	2.25E-01	4.99E-02	1.58E+00	3.15E-03	9.59E-03	3.05E-02	6.49E-04	5.68E-02	4.60E-03	1.99E+00	
361.5	4248.6	1.03E-02	1.37E-02	1.40E-03	3.64E-01	2.81E-02	1.43E+00	6.86E-03	2.75E-02	4.19E-02	5.60E-04	6.41E-02	5.70E-03	1.99E+00	
360.7	4249.7	5.46E-03	1.80E-02	1.62E-03	2.70E-01	6.24E-02	1.49E+00	3.99E-03	1.22E-02	3.44E-02	6.51E-04	7.11E-02	5.78E-03	1.98E+00	
361.4	4247.4	9.08E-03	1.40E-02	1.24E-03	4.85E-01	8.07E-03	1.30E+00	9.32E-03	4.16E-02	6.48E-02	5.06E-04	3.12E-02	4.22E-03	1.97E+00	
361.1	4249.4	9.97E-03	1.40E-02	1.78E-03	2.81E-01	6.73E-02	1.45E+00	4.23E-03	2.06E-02	3.70E-02	6.70E-04	7.39E-02	6.02E-03	1.97E+00	
359.8	4249.2	3.20E-03	2.47E-02	1.53E-03	2.53E-01	4.17E-02	1.52E+00	3.54E-03	9.47E-03	3.36E-02	6.61E-04	6.04E-02	5.06E-03	1.96E+00	
361.4	4248.9	1.16E-02	1.35E-02	1.43E-03	3.22E-01	4.07E-02	1.42E+00	5.46E-03	2.64E-02	3.85E-02	5.66E-04	7.37E-02	6.26E-03	1.96E+00	
361.4	4247.6	8.21E-03	1.42E-02	1.22E-03	4.39E-01	1.04E-02	1.34E+00	9.03E-03	3.65E-02	5.97E-02	5.02E-04	3.67E-02	4.45E-03	1.96E+00	
361.2	4249.2	9.49E-03	1.40E-02	1.47E-03	2.92E-01	5.91E-02	1.42E+00	4.46E-03	2.36E-02	3.79E-02	5.78E-04	7.75E-02	6.36E-03	1.95E+00	
361.5	4248.7	1.10E-02	1.27E-02	1.42E-03	3.41E-01	2.89E-02	1.40E+00	6.44E-03	2.72E-02	3.94E-02	5.54E-04	6.39E-02	5.58E-03	1.94E+00	
361.4	4247.3	1.22E-02	1.37E-02	1.31E-03	4.83E-01	7.20E-03	1.27E+00	9.09E-03	4.48E-02	6.59E-02	5.26E-04	2.90E-02	4.09E-03	1.94E+00	
361.3	4247.2	1.15E-02	1.35E-02	1.25E-03	4.93E-01	6.33E-03	1.24E+00	8.37E-03	4.38E-02	7.49E-02	5.08E-04	2.79E-02	4.30E-03	1.92E+00	
361.4	4247.5	7.56E-03	1.38E-02	1.17E-03	4.59E-01	9.07E-03	1.28E+00	8.97E-03	3.81E-02	6.30E-02	4.83E-04	3.32E-02	4.30E-03	1.92E+00	
360.5	4249.7	3.93E-03	2.02E-02	1.65E-03	2.36E-01	4.87E-02	1.51E+00	3.60E-03	1.06E-02	2.97E-02	6.73E-04	5.36E-02	4.48E-03	1.92E+00	
359.939	4249.397	2.99E-03	2.59E-02	1.60E-03	2.36E-01	4.78E-02	1.49E+00	3.17E-03	9.39E-03	3.29E-02	6.91E-04	6.03E-02	4.94E-03	1.91E+00	
360.397	4249.713	3.37E-03	2.07E-02	1.63E-03	2.29E-01	5.32E-02	1.51E+00	3.47E-03	1.00E-02	2.98E-02	6.65E-04	5.28E-02	4.35E-03	1.91E+00	
360.293	4247.104	1.56E-03	1.20E-02	6.01E-04	2.48E-01	3.70E-03	1.03E+00	2.61E-03	1.80E-02	5.51E-01	3.03E-04	3.84E-02	9.07E-03	1.91E+00	
360.725	4249.695	1.08E-03	1.78E-02	1.57E-03	2.20E-01	6.01E-02	1.48E+00	3.95E-03	1.27E-02	3.11E-02	6.29E-04	6.95E-02	5.52E-03	1.91E+00	35
361.6	4248.1	5.74E-03	1.30E-02	1.04E-03	3.97E-01	1.65E-02	1.34E+00	7.93E-03	3.05E-02	4.11E-02	4.42E-04	4.72E-02	4.78E-03	1.90E+00	
359.494	4248.081	1.28E-03	2.77E-02	1.16E-03	3.23E-01	9.47E-03	1.43E+00	4.11E-03	1.13E-02	5.28E-02	6.30E-04	3.53E-02	4.08E-03	1.90E+00	
359.501	4248.764	2.40E-03	2.70E-02	1.27E-03	2.27E-01	1.92E-02	1.52E+00	3.09E-03	1.19E-02	3.97E-02	6.61E-04	4.00E-02	3.84E-03	1.89E+00	
361.6	4248.2	6.42E-03	1.38E-02	1.09E-03	3.76E-01	1.82E-02	1.34E+00	7.21E-03	3.00E-02	4.00E-02	4.68E-04	4.83E-02	4.79E-03	1.89E+00	
360.9	4247.1	5.22E-03	1.37E-02	1.17E-03	4.99E-01	4.41E-03	1.12E+00	6.29E-03	3.43E-02	1.67E-01	4.83E-04	2.71E-02	7.19E-03	1.89E+00	

TABLE 3.7-2
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.9	4249.4	2.94E-03	2.47E-02	1.53E-03	2.27E-01	4.38E-02	1.48E+00	3.06E-03	9.29E-03	3.15E-02	6.63E-04	5.67E-02	4.68E-03	1.89E+00	
361	4247.1	1.09E-02	1.36E-02	1.42E-03	5.02E-01	4.61E-03	1.14E+00	6.96E-03	4.17E-02	1.30E-01	5.62E-04	2.61E-02	6.13E-03	1.89E+00	
359.5	4248.8	2.44E-03	2.73E-02	1.28E-03	2.24E-01	1.95E-02	1.51E+00	3.10E-03	1.18E-02	3.79E-02	6.68E-04	3.96E-02	3.76E-03	1.88E+00	
359.7	4249	3.11E-03	2.64E-02	1.49E-03	2.65E-01	3.31E-02	1.45E+00	3.83E-03	1.01E-02	3.43E-02	6.74E-04	5.50E-02	4.80E-03	1.88E+00	
360.8	4247.1	2.67E-03	1.30E-02	9.72E-04	4.86E-01	4.33E-03	1.08E+00	5.45E-03	2.81E-02	2.24E-01	4.15E-04	2.84E-02	8.95E-03	1.88E+00	
359.8	4249.4	2.78E-03	2.23E-02	1.40E-03	2.07E-01	3.54E-02	1.52E+00	2.84E-03	9.13E-03	2.83E-02	6.08E-04	4.92E-02	4.10E-03	1.88E+00	
361.3	4249.1	1.16E-02	1.43E-02	1.58E-03	2.89E-01	4.76E-02	1.36E+00	4.56E-03	2.56E-02	3.70E-02	6.13E-04	7.25E-02	6.02E-03	1.87E+00	
360.6	4249.8	4.41E-03	1.81E-02	1.57E-03	2.43E-01	5.36E-02	1.43E+00	3.56E-03	1.09E-02	3.05E-02	6.30E-04	6.18E-02	5.07E-03	1.86E+00	
360.9	4249.7	6.98E-03	1.58E-02	1.68E-03	2.54E-01	5.03E-02	1.42E+00	3.92E-03	1.50E-02	3.24E-02	6.56E-04	6.18E-02	5.11E-03	1.86E+00	
360.8	4249.7	6.04E-03	1.66E-02	1.56E-03	2.63E-01	5.65E-02	1.40E+00	4.00E-03	1.34E-02	3.35E-02	6.24E-04	6.58E-02	5.41E-03	1.86E+00	
361.6	4248	4.97E-03	1.17E-02	9.64E-04	4.27E-01	1.47E-02	1.27E+00	7.98E-03	3.07E-02	4.33E-02	4.05E-04	4.50E-02	4.74E-03	1.86E+00	
361.5	4247.8	5.56E-03	1.21E-02	1.01E-03	4.24E-01	1.28E-02	1.27E+00	7.85E-03	3.11E-02	4.68E-02	4.19E-04	4.30E-02	4.72E-03	1.85E+00	
361.6	4248.3	7.27E-03	1.37E-02	1.14E-03	3.57E-01	1.94E-02	1.32E+00	6.69E-03	2.96E-02	3.97E-02	4.82E-04	4.89E-02	4.76E-03	1.85E+00	
360.178	4249.719	2.64E-03	2.03E-02	1.48E-03	2.08E-01	4.33E-02	1.47E+00	2.93E-03	9.32E-03	2.78E-02	6.05E-04	5.09E-02	4.16E-03	1.84E+00	
361	4249.6	8.43E-03	1.41E-02	1.84E-03	2.60E-01	5.49E-02	1.38E+00	4.01E-03	1.73E-02	3.36E-02	6.86E-04	6.42E-02	5.27E-03	1.84E+00	
361.1	4247.1	1.46E-02	1.34E-02	1.46E-03	4.88E-01	4.95E-03	1.13E+00	7.14E-03	4.48E-02	1.05E-01	5.74E-04	2.59E-02	5.34E-03	1.84E+00	
360.2	4249.7	2.70E-03	2.05E-02	1.51E-03	2.16E-01	4.64E-02	1.45E+00	3.07E-03	9.45E-03	2.90E-02	6.14E-04	5.34E-02	4.36E-03	1.84E+00	
359.6	4248.9	2.78E-03	2.65E-02	1.35E-03	2.44E-01	2.52E-02	1.44E+00	3.49E-03	1.09E-02	3.43E-02	6.58E-04	4.60E-02	4.16E-03	1.84E+00	
361.5	4248.8	1.12E-02	1.21E-02	1.40E-03	3.14E-01	3.09E-02	1.33E+00	5.84E-03	2.69E-02	3.72E-02	5.40E-04	6.14E-02	5.36E-03	1.83E+00	
361.4	4249	1.17E-02	1.36E-02	1.49E-03	2.94E-01	4.02E-02	1.32E+00	4.81E-03	2.63E-02	3.62E-02	5.85E-04	6.96E-02	5.86E-03	1.83E+00	
360.7	4249.8	5.10E-03	1.71E-02	1.56E-03	2.45E-01	5.06E-02	1.40E+00	3.64E-03	1.18E-02	3.07E-02	6.20E-04	6.06E-02	5.01E-03	1.83E+00	
361.2	4249.3	9.45E-03	1.32E-02	1.50E-03	2.69E-01	5.47E-02	1.33E+00	4.06E-03	2.30E-02	3.55E-02	5.79E-04	6.95E-02	5.75E-03	1.82E+00	
361.4	4247.2	1.35E-02	1.30E-02	1.29E-03	4.52E-01	6.42E-03	1.18E+00	8.20E-03	4.72E-02	6.53E-02	5.16E-04	2.69E-02	3.96E-03	1.82E+00	
359.5	4248	1.14E-03	2.71E-02	1.08E-03	3.22E-01	8.84E-03	1.35E+00	4.37E-03	1.10E-02	5.63E-02	6.05E-04	3.44E-02	4.10E-03	1.82E+00	
359.7	4249.1	3.04E-03	2.38E-02	1.43E-03	2.46E-01	3.30E-02	1.40E+00	3.54E-03	9.80E-03	3.21E-02	6.28E-04	5.27E-02	4.55E-03	1.81E+00	
361.6	4248.4	7.87E-03	1.35E-02	1.17E-03	3.46E-01	2.05E-02	1.29E+00	6.34E-03	2.91E-02	3.95E-02	4.89E-04	5.00E-02	4.80E-03	1.81E+00	
360.49	4247.124	1.29E-03	9.07E-03	6.43E-04	3.20E-01	3.28E-03	1.05E+00	3.03E-03	1.94E-02	3.64E-01	2.80E-04	2.45E-02	1.16E-02	1.80E+00	
361.1	4249.5	9.71E-03	1.32E-02	1.84E-03	2.57E-01	5.78E-02	1.33E+00	3.93E-03	1.98E-02	3.38E-02	6.79E-04	6.36E-02	5.24E-03	1.80E+00	
361.6	4247.9	4.75E-03	1.10E-02	9.24E-04	4.24E-01	1.33E-02	1.21E+00	7.51E-03	3.10E-02	4.39E-02	3.85E-04	4.21E-02	4.56E-03	1.79E+00	
361.2	4247.1	1.29E-02	1.31E-02	1.30E-03	4.64E-01	5.32E-03	1.11E+00	7.00E-03	4.45E-02	8.81E-02	5.18E-04	2.57E-02	4.73E-03	1.78E+00	
359.528	4247.817	1.29E-03	3.30E-02	1.22E-03	3.24E-01	7.53E-03	1.29E+00	4.01E-03	1.16E-02	6.62E-02	7.26E-04	3.35E-02	4.59E-03	1.78E+00	
359.5	4248.9	2.51E-03	2.47E-02	1.23E-03	2.14E-01	2.00E-02	1.42E+00	3.04E-03	1.14E-02	3.37E-02	6.14E-04	3.83E-02	3.55E-03	1.78E+00	
360.765	4247.037	2.28E-03	1.19E-02	8.72E-04	4.26E-01	4.00E-03	1.02E+00	4.67E-03	2.75E-02	2.39E-01	3.75E-04	2.59E-02	9.14E-03	1.77E+00	
361.6	4248.5	1.00E-02	1.32E-02	1.33E-03	3.38E-01	2.18E-02	1.25E+00	6.15E-03	2.90E-02	3.92E-02	5.36E-04	5.17E-02	4.86E-03	1.77E+00	
359.7	4249.3	2.73E-03	2.07E-02	1.31E-03	2.06E-01	3.07E-02	1.42E+00	2.92E-03	9.29E-03	2.77E-02	5.65E-04	4.57E-02	3.89E-03	1.77E+00	
361.5	4247.7	6.59E-03	1.27E-02	1.08E-03	3.69E-01	1.13E-02	1.23E+00	7.51E-03	3.43E-02	4.76E-02	4.44E-04	3.77E-02	4.19E-03	1.76E+00	
359.5	4247.9	1.29E-03	2.84E-02	1.12E-03	3.10E-01	8.11E-03	1.29E+00	4.02E-03	1.13E-02	6.34E-02	6.33E-04	3.21E-02	4.19E-03	1.75E+00	
361.5	4247.3	1.35E-02	1.30E-02	1.37E-03	4.23E-01	7.04E-03	1.14E+00	7.93E-03	4.65E-02	5.84E-02	5.37E-04	2.71E-02	3.69E-03	1.74E+00	
361.6	4248.6	1.10E-02	1.25E-02	1.40E-03	3.25E-01	2.27E-02	1.24E+00	6.05E-03	2.86E-02	3.81E-02	5.49E-04	5.27E-02	4.85E-03	1.74E+00	
361.3	4247.1	1.12E-02	1.27E-02	1.21E-03	4.41E-01	5.59E-03	1.10E+00	6.93E-03	4.67E-02	7.86E-02	4.86E-04	2.54E-02	4.32E-03	1.74E+00	
360.5	4249.8	3.70E-03	1.87E-02	1.54E-03	2.15E-01	4.20E-02	1.36E+00	3.28E-03	1.01E-02	2.71E-02	6.24E-04	4.74E-02	3.99E-03	1.74E+00	
361.5	4248.9	1.15E-02	1.17E-02	1.40E-03	2.91E-01	3.22E-02	1.25E+00	5.17E-03	2.68E-02	3.51E-02	5.40E-04	6.00E-02	5.23E-03	1.73E+00	
361.5	4247.4	1.00E-02	1.29E-02	1.25E-03	4.09E-01	7.75E-03	1.14E+00	7.63E-03	4.36E-02	5.78E-02	4.99E-04	2.83E-02	3.73E-03	1.72E+00	
361.6	4248.7	1.03E-02	1.16E-02	1.31E-03	3.07E-01	2.33E-02	1.23E+00	5.84E-03	2.80E-02	3.64E-02	5.09E-04	5.30E-02	4.77E-03	1.72E+00	
361.2	4249.4	9.53E-03	1.26E-02	1.53E-03	2.51E-01	5.16E-02	1.26E+00	3.77E-03	2.22E-02	3.34E-02	5.80E-04	6.24E-02	5.21E-03	1.71E+00	
361.3	4249.2	1.06E-02	1.31E-02	1.51E-03	2.61E-01	4.48E-02	1.24E+00	4.12E-03	2.51E-02	3.41E-02	5.79E-04	6.34E-02	5.32E-03	1.71E+00	
360.9	4249.8	6.53E-03	1.52E-02	1.62E-03	2.33E-01	4.17E-02	1.30E+00	3.63E-03	1.45E-02	2.94E-02	6.27E-04	5.34E-02	4.49E-03	1.70E+00	
361.7	4248.1	5.39E-03	1.22E-02	9.83E-04	3.54E-01	1.46E-02	1.19E+00	6.96E-03	3.12E-02	3.85E-02	4.18E-04	4.07E-02	4.17E-03	1.70E+00	
361	4247	8.76E-03	1.25E-02	1.33E-03	4.33E-01	4.05E-03	1.01E+00	5.79E-03	4.36E-02	1.47E-01	5.23E-04	2.35E-02	6.09E-03	1.70E+00	
361.5	4247.2	1.50E-02	1.25E-02	1.37E-03	4.11E-01	6.41E-03	1.10E+00	7.69E-03	4.86E-02	5.84E-02	5.34E-04	2.56E-02	3.63E-03	1.69E+00	
360.35	4249.797	3.00E-03	1.91E-02	1.48E-03	2.05E-01	4.35E-02	1.33E+00	3.11E-03	9.51E-03	2.65E-02	6.03E-04	4.50E-02	3.76E-03	1.69E+00	
360.8	4249.8	5.58E-03	1.57E-02	1.48E-03	2.39E-01	4.63E-02	1.27E+00	3.67E-03	1.30E-02	3.01E-02	5.87E-04	5.63E-02	4.70E-03	1.69E+00	
361.7	4248	4.63E-03	1.11E-02	9.10E-04	3.82E-01	1.32E-02	1.15E+00	6.87E-03	3.12E-02	4.07E-02	3.83E-04	3.95E-02	4.19E-03	1.69E+00	
360.428	4247.101	1.24E-03	8.32E-03	5.65E-04	2.46E-01	3.08E-03	9.20E-01	2.51E-03	1.84E-02	4.50E-01	2.49E-04	2.63E-02	9.05E-03	1.69E+00	
359.459	4247.985	1.13E-03	2.51E-02	1.02E-03	2.96E-01	8.24E-03	1.25E+00	4.06E-03	1.06E-02	5.52E-02	5.65E-04	3.15E-02	3.80E-03	1.68E+00	
361.7	4248.2	6.78E-03	1.28E-02	1.07E-03	3.38E-01	1.56E-02	1.19E+00	6.45E-03	3.11E-02	3.67E-02	4.51E-04	4.09E-02	4.13E-03	1.68E+00	
361	4249.7	7.66E-03	1.37E-02	1.71E-03	2.39E-01	4.50E-02	1.26E+00	3.74E-03	1.66E-02	3.07E-02	6.44E-04	5.59E-02	4.67E-03	1.68E+00	
360.9	4247	4.49E-03	1.25E-02	1.10E-03	4.20E-01	3.90E-03	9.83E-01	5.12E-03	3.57E-02	1.84E-01	4.48E-04	2.43E-02	7.04E-03	1.68E+00	
360.4	4249.8	3.19E-03	1.91E-02	1.50E-03	2.04E-01	3.72E-02	1.33E+00	3.14E-03	9.68E-03	2.57E-02	6.13E-04	4.32E-02	3.68E-03	1.68E+00	
359.5	4247.8	1.29E-03	3.11E-02	1.17E-03	3.03E-01	7.20E-03	1.22E+00	3.78E-03	1.13E-02	6.07E-02	6.91E-04	3.15E-02	4.29E-03	1.68E+00	
361.4	4249.1	1.23E-02	1.33E-02	1.60E-03	2.66E-01	3.75E-02	1.21E+00	4.30E-03	2.62E-02	3.37E-02	6.11E-04	6.21E-02	5.25E-03	1.68E+00	
361.4	4247.1	1.08E-02	1.23E-02	1.19E-03	4.15E-01	5.73E-03	1.08E+00	7.07E-03	4.85E-02	6.97E-02	4.76E-04	2.48E-02	3.96E-03	1.68E+00	
360.277	4249.8	2.75E-03	1.86E-02	1.42E-03	2.04E-01	4.29E-02	1.31E+00	3.02E-03	9.27E-03	2.68E-02	5.77E-04	4.86E-02	4.01E-03	1.67E+00	
361.5	4247.5	6.62E-03	1.24E-02	1.09E-03	3.76E-01	8.64E-03	1.13E+00	7.30E-03	3.91E-02	5.48E-02	4.45E-04	2.98E-02	3.75E-03	1.67E+00	
360.6	4249.9	4.09E-03	1.68E-02	1.46E-03	2.17E-01	4.33E-02	1.29E+00	3.25E-03	1.05E-02	2.71E-02	5.85E-04	5.17E-02	4.31E-03	1.67E+00	
360.8	4247	2.45E-03	1.18E-02	8.92E-04	4.01E-01	3.84E-03	9.54E-01	4.50E-03	2.92E-02	2.25E-01	3.80E-04	2.46E-02	8.19E-03	1.67E+00	
361.1	4247	9.95E-03	1.24E-02	1.28E-03	4.29E-01	4.32E-03	1.01E+00	6.08E-03	4.59E-02	1.18E-01	5.07E-04	2.31E-02	5.27E-03	1.67E+00	
359.7	4249.4	2.57E-03	1.96E-02	1.26E-03	1.87E-01	2.85E-02	1.34E+00	2.64E-03	9.08E-03	2.54E-02	5.43E-04	4.17E-02	3.54E-03	1.66E+00	
361.6	4247.8	5.07E-03	1.10E-02	9.18E-04	3.76E-01	1.19E-02	1.13E+00	6.73E-03	3.17E-02	4.27E-02	3.81E-04	3.88E-02	4.23E-03	1.66E+00	
361.2	4244.4	9.64E-04	2.58E-03	2.59E-04	4.28E-02	8.74E-04	1.34E-01	6.29E-04	1.46E+00	1.10E-02	9.72E-05	3.25E-03	4.92E-04	1.66E+00	
361.1	4249.6	8.92E-03	1.26E-02	1.72E-03	2.37E-01	4.87E-02	1.22E+00	3.69E-03	1.89E-02	3.09E-02	6.37E-04	5.52E-02	4.60E-03	1.64E+00	
359.868	4249.439	2.78E-03	2.26E-02	1.42E-03	2.12E-01	4.05E-02	1.27E+00	2.90E-03	9.16E-03	2.97E-02	6.11E-04	5.18E-02	4.31E-03	1.64E+00	
361.6	4248.8	9.60E-03	1.10E-02	1.23E-03	2.86E-01	2.48E-02	1.19E+00	5.44E-03	2.75E-02	3.45E-02	4.77E-04	5.11E-02	4.55E-03	1.64E+00	
361.7	4248.3	9.16E-03	1.24E-02	1.17E-03	3.19E-01	1.85E-02	1.16E+00	5.95E-03	3.10E-02	3.56E-02	4.60E-04	4.10E-02	4.08E-03	1.64E+00	
360.7	4249.9	4.67E-03	1.59E-02	1.46E-03	2.23E-01	4.12E-02	1.25E+00	3.36E-03	1.14E-02	2.75E-02	5.77E-04	5.24E-02	4.40E-03	1.63E+00	
359.427	4248.61	1.94E-03	2.00E-02	1.05E-03	2.09E-01	1.52E-02	1.29E+00	2.57E-03	1.22E-02	4.27E-02	5.11E-04	3.49E-02	3.73E-03	1.63E+00	
361.5	4247.6	6.02E-03	1.20E-02	1.04E-03	3.54E-01	9.82E-03	1.12E+00	7.33E-03	3.56E-02	5.08E-02	4.24E-04	3.27E-02	3.84E-03	1.63E+00	
361.5	4249	1.17E-02	1.18E-02	1.47E-03	2.68E-01	3.23E-02	1.17E+00	4.59E-03	2.66E-02	3.31E-02	5.63E-04	5.79E-02	5.01E-03	1.63E+00	
360.5	4249.9	3.53E-03	1.74E-02	1.44E-03	2.03E-01	4.07E-02	1.27E+00	3.06E-03	9.76E-03	2.56E-02	5.84E-04	4.53E-02	3.80E-03	1.62E+00	
360.2	4249.8	2.55E-03	1.82E-02	1.38E-03	1.94E-01	3.83E-02	1.27E+00	2.78E-03	9.08E-03	2.57E-02	5.56E-04	4.61E-02	3.82E-03	1.62E+00	
361.2	4247	9.69E-03	1.22E-02	1.19E-03	4.13E-01	4.67E-03	9.97E-01	6.07E-03	4.64E-02	9.75E-02	4.76E-04	2.31E-02	4.73E-03	1.62E+00	
361.7	4247.9	4.44E-03	1.03E-02	8.66E-04	3.78E-01	1.20E-02	1.08E+00	6.64E-03	3.13E-02	4.07E-02	3.61E-04	3.73E-02	4.05E-03	1.61E+00	
360.186	4249.823	2.50E-03	1.78E-02	1.35E-03	1.87E-01	3.58E-02	1.28E+00	2.67E-03	8.96E-03	2.47E-02	5.45E-04	4.41E-02	3.65E-03	1.61E+00	
361.5	4247.1	1.34E-02	1.19E-02	1.27E-03	3.87E-01	5.80E-03	1.04E+00	6.98E-03	5.03E-02	6.28E-02	4.98E-04	2.39E-02	3.63E-03	1.60E+00	

TABLE 3.7-2
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.6	4249	2.79E-03	2.31E-02	1.30E-03	2.31E-01	2.57E-02	1.22E+00	3.32E-03	1.05E-02	3.16E-02	5.93E-04	4.43E-02	3.98E-03	1.59E+00	
361.2	4249.5	9.87E-03	1.21E-02	1.65E-03	2.33E-01	4.79E-02	1.17E+00	3.56E-03	2.14E-02	3.11E-02	6.10E-04	5.51E-02	4.64E-03	1.59E+00	
361.7	4248.4	9.99E-03	1.22E-02	1.22E-03	3.05E-01	1.71E-02	1.13E+00	5.66E-03	3.02E-02	3.50E-02	4.92E-04	4.19E-02	4.11E-03	1.59E+00	
361.3	4247	1.35E-02	1.20E-02	1.28E-03	3.95E-01	4.96E-03	9.88E-01	6.04E-03	5.17E-02	8.51E-02	5.01E-04	2.31E-02	4.37E-03	1.59E+00	
361.3	4249.3	9.18E-03	1.21E-02	1.37E-03	2.41E-01	4.18E-02	1.16E+00	3.75E-03	2.42E-02	3.19E-02	5.25E-04	5.67E-02	4.60E-03	1.58E+00	
359.399	4248.787	2.23E-03	2.15E-02	1.12E-03	1.97E-01	1.57E-02	1.24E+00	2.65E-03	1.22E-02	3.85E-02	5.49E-04	3.30E-02	3.37E-03	1.57E+00	
360.9	4249.9	6.15E-03	1.46E-02	1.55E-03	2.15E-01	3.46E-02	1.20E+00	3.37E-03	1.40E-02	2.68E-02	5.99E-04	4.64E-02	3.97E-03	1.57E+00	
360.8	4249.9	5.19E-03	1.50E-02	1.42E-03	2.19E-01	3.80E-02	1.19E+00	3.39E-03	1.26E-02	2.72E-02	5.59E-04	4.90E-02	4.15E-03	1.57E+00	
359.6	4249.3	2.49E-03	1.85E-02	1.17E-03	1.84E-01	2.44E-02	1.25E+00	2.66E-03	9.42E-03	2.52E-02	5.06E-04	3.84E-02	3.33E-03	1.56E+00	
361.7	4247.8	5.13E-03	1.08E-02	9.04E-04	3.40E-01	1.10E-02	1.08E+00	5.93E-03	3.32E-02	3.99E-02	3.76E-04	3.54E-02	3.81E-03	1.56E+00	
361.6	4247.2	1.11E-02	1.20E-02	1.23E-03	3.74E-01	6.27E-03	1.02E+00	6.98E-03	4.86E-02	5.28E-02	4.85E-04	2.40E-02	3.32E-03	1.56E+00	
361.6	4247.3	1.08E-02	1.21E-02	1.25E-03	3.72E-01	6.79E-03	1.02E+00	6.89E-03	4.66E-02	5.15E-02	4.93E-04	2.51E-02	3.33E-03	1.56E+00	
359.495	4247.725	1.10E-03	3.10E-02	1.11E-03	2.81E-01	6.37E-03	1.13E+00	3.88E-03	1.09E-02	5.68E-02	6.82E-04	2.90E-02	3.94E-03	1.56E+00	
361.8	4248	4.60E-03	1.07E-02	8.76E-04	3.44E-01	1.20E-02	1.07E+00	6.04E-03	3.10E-02	3.79E-02	3.69E-04	3.48E-02	3.71E-03	1.56E+00	
361	4249.8	7.14E-03	1.34E-02	1.64E-03	2.22E-01	3.73E-02	1.17E+00	3.50E-03	1.59E-02	2.82E-02	6.18E-04	4.92E-02	4.18E-03	1.55E+00	
359.4	4248.6	1.86E-03	1.93E-02	1.01E-03	2.02E-01	1.43E-02	1.22E+00	2.46E-03	1.21E-02	4.13E-02	4.92E-04	3.33E-02	3.60E-03	1.55E+00	
361.6	4248.9	1.01E-02	1.05E-02	1.26E-03	2.65E-01	2.59E-02	1.12E+00	4.93E-03	2.71E-02	3.27E-02	4.83E-04	4.95E-02	4.41E-03	1.55E+00	
361.4	4247	1.20E-02	1.17E-02	1.21E-03	3.79E-01	5.14E-03	9.80E-01	6.05E-03	5.24E-02	7.54E-02	4.77E-04	2.28E-02	4.00E-03	1.55E+00	
360.76	4246.934	1.98E-03	1.06E-02	7.92E-04	3.57E-01	3.58E-03	8.82E-01	3.95E-03	2.84E-02	2.32E-01	3.38E-04	2.22E-02	7.66E-03	1.55E+00	
359.7	4249.2	2.86E-03	2.07E-02	1.31E-03	2.17E-01	3.21E-02	1.18E+00	3.21E-03	9.47E-03	2.94E-02	5.61E-04	4.76E-02	4.08E-03	1.55E+00	
360.6	4250	3.84E-03	1.58E-02	1.39E-03	2.01E-01	3.58E-02	1.20E+00	3.00E-03	1.01E-02	2.44E-02	5.51E-04	4.63E-02	3.91E-03	1.55E+00	
361.7	4248.5	9.99E-03	1.20E-02	1.29E-03	2.97E-01	1.81E-02	1.09E+00	5.44E-03	2.96E-02	3.47E-02	5.12E-04	4.31E-02	4.17E-03	1.55E+00	
360.5	4250	3.38E-03	1.64E-02	1.37E-03	1.93E-01	3.47E-02	1.21E+00	2.88E-03	9.41E-03	2.38E-02	5.53E-04	4.45E-02	3.75E-03	1.55E+00	
359.4	4248.9	2.28E-03	2.21E-02	1.11E-03	1.90E-01	1.62E-02	1.23E+00	2.68E-03	1.17E-02	3.47E-02	5.56E-04	3.22E-02	3.15E-03	1.54E+00	
360.236	4246.896	1.12E-03	1.16E-02	5.53E-04	1.69E-01	2.87E-03	4.72E-01	1.78E-03	1.93E-02	7.98E-01	2.89E-04	2.23E-02	4.52E-02	1.54E+00	
361.8	4248.1	5.29E-03	1.16E-02	9.47E-04	3.19E-01	1.29E-02	1.07E+00	6.18E-03	3.12E-02	3.64E-02	4.00E-04	3.51E-02	3.65E-03	1.53E+00	
361.4	4249.2	1.06E-02	1.25E-02	1.44E-03	2.40E-01	3.52E-02	1.11E+00	3.89E-03	2.57E-02	3.13E-02	5.52E-04	5.44E-02	4.63E-03	1.53E+00	
359.425	4247.89	1.34E-03	2.45E-02	1.04E-03	2.72E-01	7.35E-03	1.12E+00	3.55E-03	1.06E-02	5.43E-02	5.59E-04	2.84E-02	3.79E-03	1.53E+00	
361.7	4248.6	9.66E-03	1.15E-02	1.30E-03	2.90E-01	1.86E-02	1.08E+00	5.25E-03	2.90E-02	3.40E-02	5.07E-04	4.40E-02	4.16E-03	1.53E+00	
361.7	4248.7	9.09E-03	1.06E-02	1.22E-03	2.79E-01	1.90E-02	1.09E+00	5.12E-03	2.84E-02	3.30E-02	4.71E-04	4.44E-02	4.11E-03	1.52E+00	
359.6	4249.1	2.74E-03	2.09E-02	1.25E-03	2.16E-01	2.57E-02	1.16E+00	3.12E-03	1.01E-02	2.93E-02	5.51E-04	4.27E-02	3.79E-03	1.52E+00	
361.6	4247.4	8.47E-03	1.19E-02	1.16E-03	3.49E-01	7.45E-03	1.01E+00	6.44E-03	4.36E-02	5.15E-02	4.62E-04	2.61E-02	3.35E-03	1.52E+00	
361	4246.9	7.39E-03	1.15E-02	1.27E-03	3.72E-01	3.60E-03	8.92E-01	4.79E-03	4.55E-02	1.53E-01	4.92E-04	2.13E-02	5.85E-03	1.52E+00	
361.1	4249.7	7.91E-03	1.21E-02	1.54E-03	2.20E-01	4.08E-02	1.13E+00	3.46E-03	1.80E-02	2.86E-02	5.75E-04	4.88E-02	4.13E-03	1.52E+00	
360.4	4249.9	3.02E-03	1.75E-02	1.38E-03	1.86E-01	3.08E-02	1.19E+00	2.87E-03	9.27E-03	2.32E-02	5.64E-04	3.82E-02	3.29E-03	1.51E+00	
361.6	4247.1	1.14E-02	1.15E-02	1.19E-03	3.58E-01	5.78E-03	9.81E-01	6.54E-03	5.07E-02	5.71E-02	4.69E-04	2.28E-02	3.32E-03	1.51E+00	
361.1	4246.9	8.22E-03	1.15E-02	1.21E-03	3.74E-01	3.82E-03	9.00E-01	5.22E-03	4.83E-02	1.28E-01	4.74E-04	2.08E-02	5.06E-03	1.51E+00	
361.5	4249.1	1.15E-02	1.20E-02	1.49E-03	2.44E-01	3.05E-02	1.09E+00	4.11E-03	2.63E-02	3.09E-02	5.65E-04	5.34E-02	4.60E-03	1.51E+00	
361.6	4247.7	5.24E-03	1.08E-02	9.22E-04	3.21E-01	1.06E-02	1.03E+00	6.34E-03	3.30E-02	4.26E-02	3.78E-04	3.46E-02	3.80E-03	1.50E+00	
361.5	4247	1.26E-02	1.13E-02	1.23E-03	3.59E-01	5.25E-03	9.61E-01	6.03E-03	5.28E-02	6.81E-02	4.79E-04	2.23E-02	3.70E-03	1.50E+00	
361.8	4248.2	7.19E-03	1.18E-02	1.06E-03	3.04E-01	1.35E-02	1.05E+00	5.90E-03	3.16E-02	3.45E-02	4.38E-04	3.48E-02	3.59E-03	1.50E+00	
360.9	4246.9	4.02E-03	1.14E-02	1.03E-03	3.58E-01	3.49E-03	8.67E-01	4.18E-03	3.71E-02	1.84E-01	4.19E-04	2.19E-02	6.62E-03	1.50E+00	
361.3	4249.4	9.39E-03	1.15E-02	1.40E-03	2.25E-01	3.93E-02	1.10E+00	3.49E-03	2.35E-02	3.02E-02	5.29E-04	5.16E-02	4.41E-03	1.50E+00	
360.238	4247.099	1.63E-03	1.46E-02	6.44E-04	2.31E-01	3.60E-03	8.06E-01	2.40E-03	1.74E-02	3.72E-01	3.48E-04	3.32E-02	1.07E-02	1.49E+00	
360.7	4250	4.31E-03	1.50E-02	1.38E-03	2.04E-01	3.42E-02	1.14E+00	3.11E-03	1.10E-02	2.48E-02	5.41E-04	4.57E-02	3.89E-03	1.49E+00	
361.8	4247.9	4.41E-03	9.94E-03	8.36E-04	3.40E-01	1.09E-02	1.01E+00	5.98E-03	3.11E-02	3.76E-02	3.49E-04	3.36E-02	3.63E-03	1.49E+00	
361.7	4248.8	7.96E-03	1.00E-02	1.09E-03	2.64E-01	2.02E-02	1.07E+00	4.98E-03	2.76E-02	3.19E-02	4.25E-04	4.31E-02	3.95E-03	1.48E+00	
361.2	4246.9	8.92E-03	1.14E-02	1.18E-03	3.70E-01	4.12E-03	8.98E-01	5.38E-03	5.02E-02	1.07E-01	4.66E-04	2.08E-02	4.54E-03	1.48E+00	
361.6	4247.5	5.91E-03	1.13E-02	1.02E-03	3.17E-01	8.34E-03	1.01E+00	6.23E-03	3.92E-02	4.96E-02	4.14E-04	2.77E-02	3.38E-03	1.48E+00	
360.8	4246.9	2.15E-03	1.06E-02	8.16E-04	3.42E-01	3.45E-03	8.35E-01	3.78E-03	3.01E-02	2.20E-01	3.46E-04	2.15E-02	7.03E-03	1.48E+00	
359.849	4249.506	2.57E-03	1.99E-02	1.28E-03	1.89E-01	3.41E-02	1.14E+00	2.62E-03	8.94E-03	2.66E-02	5.47E-04	4.42E-02	3.72E-03	1.48E+00	
361.2	4249.6	8.90E-03	1.16E-02	1.46E-03	2.16E-01	4.21E-02	1.08E+00	3.37E-03	2.03E-02	2.87E-02	5.48E-04	4.82E-02	4.10E-03	1.47E+00	
359.6	4249.4	2.35E-03	1.73E-02	1.13E-03	1.69E-01	2.31E-02	1.18E+00	2.43E-03	9.12E-03	2.33E-02	4.84E-04	3.55E-02	3.07E-03	1.47E+00	
361.8	4248.3	9.54E-03	1.13E-02	1.16E-03	2.87E-01	1.40E-02	1.03E+00	5.36E-03	3.10E-02	3.28E-02	4.63E-04	3.48E-02	3.53E-03	1.46E+00	
361.3	4246.9	1.29E-02	1.13E-02	1.30E-03	3.60E-01	4.42E-03	8.93E-01	5.38E-03	5.57E-02	8.96E-02	5.01E-04	2.10E-02	4.17E-03	1.46E+00	
361.6	4249	1.04E-02	1.02E-02	1.31E-03	2.45E-01	2.62E-02	1.05E+00	4.41E-03	2.67E-02	3.09E-02	4.97E-04	4.81E-02	4.27E-03	1.46E+00	
359.362	4248.505	1.69E-03	1.79E-02	9.07E-04	2.07E-01	1.25E-02	1.13E+00	2.47E-03	1.16E-02	4.06E-02	4.53E-04	3.13E-02	3.51E-03	1.46E+00	
359.36	4248.7	1.96E-03	1.79E-02	9.63E-04	1.89E-01	1.40E-02	1.14E+00	2.39E-03	1.22E-02	3.87E-02	4.64E-04	3.11E-02	3.33E-03	1.46E+00	
359.836	4249.56	2.45E-03	1.88E-02	1.22E-03	1.76E-01	3.08E-02	1.14E+00	2.44E-03	8.80E-03	2.48E-02	5.22E-04	4.03E-02	3.40E-03	1.45E+00	
360.9	4250	5.59E-03	1.39E-02	1.41E-03	1.99E-01	2.93E-02	1.11E+00	3.13E-03	1.35E-02	2.46E-02	5.47E-04	4.07E-02	3.53E-03	1.44E+00	
361	4249.9	6.65E-03	1.31E-02	1.53E-03	2.06E-01	3.13E-02	1.09E+00	3.28E-03	1.53E-02	2.60E-02	5.81E-04	4.34E-02	3.74E-03	1.44E+00	
361.6	4247	1.28E-02	1.10E-02	1.23E-03	3.34E-01	5.31E-03	9.21E-01	5.91E-03	5.46E-02	6.24E-02	4.77E-04	2.15E-02	3.38E-03	1.43E+00	
360.481	4247.029	1.13E-03	7.81E-03	5.68E-04	2.44E-01	2.99E-03	7.32E-01	2.53E-03	1.99E-02	3.93E-01	2.45E-04	2.03E-02	6.85E-03	1.43E+00	
361.8	4247.8	4.90E-03	1.00E-02	8.53E-04	3.08E-01	1.00E-02	9.87E-01	5.36E-03	3.23E-02	3.68E-02	3.54E-04	3.17E-02	3.43E-03	1.43E+00	
359.827	4249.617	2.34E-03	1.78E-02	1.17E-03	1.64E-01	2.79E-02	1.14E+00	2.28E-03	8.65E-03	2.32E-02	4.98E-04	3.69E-02	3.13E-03	1.43E+00	
360.237	4246.998	1.35E-03	1.38E-02	6.29E-04	1.90E-01	3.20E-03	5.95E-01	2.05E-03	1.88E-02	5.60E-01	3.35E-04	2.77E-02	1.53E-02	1.43E+00	
361.6	4247.6	5.17E-03	1.07E-02	9.34E-04	3.01E-01	9.40E-03	9.79E-01	6.20E-03	3.48E-02	4.60E-02	3.79E-04	3.04E-02	3.48E-03	1.43E+00	
361.4	4246.9	1.26E-02	1.11E-02	1.22E-03	3.45E-01	4.63E-03	8.87E-01	5.32E-03	5.60E-02	7.73E-02	4.75E-04	2.09E-02	3.87E-03	1.43E+00	
360.3	4249.9	2.64E-03	1.68E-02	1.30E-03	1.75E-01	3.10E-02	1.12E+00	2.69E-03	8.92E-03	2.24E-02	5.27E-04	3.56E-02	3.06E-03	1.42E+00	
360.413	4246.998	1.06E-03	7.26E-03	5.02E-04	1.80E-01	2.74E-03	5.70E-01	2.04E-03	1.90E-02	6.13E-01	2.20E-04	2.07E-02	5.50E-03	1.42E+00	
359.4	4247.8	1.43E-03	2.40E-02	1.04E-03	2.54E-01	6.62E-03	1.04E+00	3.26E-03	1.05E-02	4.69E-02	5.56E-04	2.65E-02	3.50E-03	1.42E+00	
361.3	4249.5	1.00E-02	1.11E-02	1.53E-03	2.12E-01	3.80E-02	1.04E+00	3.30E-03	2.27E-02	2.87E-02	5.62E-04	4.71E-02	4.07E-03	1.42E+00	
361.4	4249.3	9.00E-03	1.15E-02	1.29E-03	2.21E-01	3.30E-02	1.03E+00	3.56E-03	2.49E-02	2.94E-02	4.96E-04	4.80E-02	4.13E-03	1.42E+00	
361.7	4247.2	8.24E-03	1.14E-02	1.09E-03	3.34E-01	6.05E-03	9.26E-01	6.13E-03	4.91E-02	4.75E-02	4.35E-04	2.23E-02	3.01E-03	1.42E+00	
360.8	4250	4.79E-03	1.42E-02	1.34E-03	2.03E-01	3.18E-02	1.07E+00	3.15E-03	1.22E-02	2.47E-02	5.25E-04	4.29E-02	3.69E-03	1.41E+00	
361.1	4249.8	7.10E-03	1.17E-02	1.41E-03	2.06E-01	3.39E-02	1.06E+00	3.28E-03	1.71E-02	2.66E-02	5.35E-04	4.37E-02	3.75E-03	1.41E+00	
361.8	4248.4	1.02E-02	1.11E-02	1.18E-03	2.72E-01	1.44E-02	9.95E-01	5.05E-03	3.01E-02	3.16E-02	4.67E-04	3.57E-02	3.56E-03	1.41E+00	
361.7	4248.9	8.14E-03	9.54E-03	1.09E-03	2.46E-01	2.10E-02	1.01E+00	4.70E-03	2.70E-02	3.05E-02	4.20E-04	4.16E-02	3.79E-03	1.41E+00	
361.9	4248	4.54E-03	1.01E-02	8.43E-04	3.08E-01	1.08E-02	9.68E-01	5.26E-03	3.01E-02	3.48E-02	3.53E-04	3.07E-02	3.29E-03	1.41E+00	
361.7	4247.1	1.05E-02	1.12E-02	1.16E-03	3.28E-01	5.65E-03	9.13E-01	6.07E-03	5.41E-02	5.15E-02	4.55E-04	2.14E-02	3.04E-03	1.41E+00	
359.7	4249.5	2.33E-03	1.67E-02	1.11E-03	1.67E-01	2.58E-02	1.12E+00	2.38E-03	8.76E-03	2.32E-02	4.72E-04	3.65E-02	3.12E-03	1.40E+00	
359.8	4249.5	2.49E-03	1.85E-02	1.21E-03	1.82E-01	3.13E-02	1.08E+00	2.55E-03	8.86E-03	2.55E-02	5.15E-04	4.16E-02	3.53E-03	1.40E+00	
360.2	4249.9	2.41E-03	1.60E-02	1.25E-03	1.73E-01	3.15E-02	1.10E+00	2.53E-03	8.70E-03	2.28E-02	4.99E-04	3.94E-02	3.31E-03	1.40E+00	
360.464	4246.838	9.50E-04	6.15E-03	4.59E-04	1.60E-01	2.56E-03	4.30E-01	1.89E-03	2.15E-02	7.60E-01	1.95E-04	1.45E-02	3.83E-03	1.40E+00	

TABLE 3.7-2
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.462	4247.632	1.17E-03	2.65E-02	9.81E-04	2.65E-01	5.38E-03	1.01E+00	3.95E-03	1.05E-02	4.65E-02	5.95E-04	2.54E-02	3.70E-03	1.40E+00	
361.7	4247.3	7.11E-03	1.12E-02	1.05E-03	3.24E-01	6.54E-03	9.19E-01	5.81E-03	4.52E-02	4.62E-02	4.21E-04	2.33E-02	3.01E-03	1.39E+00	
361.5	4246.9	1.25E-02	1.08E-02	1.21E-03	3.29E-01	4.77E-03	8.79E-01	5.26E-03	5.56E-02	6.86E-02	4.69E-04	2.07E-02	3.64E-03	1.39E+00	
361.5	4249.2	1.02E-02	1.18E-02	1.38E-03	2.23E-01	2.84E-02	1.00E+00	3.69E-03	2.59E-02	2.90E-02	5.25E-04	4.78E-02	4.12E-03	1.39E+00	
361.7	4247.7	4.95E-03	1.03E-02	8.70E-04	2.89E-01	1.00E-02	9.53E-01	5.53E-03	3.32E-02	3.99E-02	3.58E-04	3.22E-02	3.50E-03	1.38E+00	
361.9	4248.1	5.21E-03	1.08E-02	9.13E-04	2.88E-01	1.14E-02	9.59E-01	5.40E-03	3.04E-02	3.42E-02	3.82E-04	3.06E-02	3.23E-03	1.38E+00	
359.6	4249.2	2.59E-03	1.85E-02	1.17E-03	1.98E-01	2.52E-02	1.05E+00	2.89E-03	9.69E-03	2.70E-02	5.02E-04	4.03E-02	3.54E-03	1.38E+00	
359.377	4247.814	1.39E-03	2.26E-02	1.00E-03	2.48E-01	6.55E-03	1.01E+00	3.19E-03	1.03E-02	4.45E-02	5.26E-04	2.58E-02	3.40E-03	1.37E+00	
360.4	4250	2.87E-03	1.62E-02	1.28E-03	1.70E-01	2.59E-02	1.09E+00	2.63E-03	8.89E-03	2.10E-02	5.21E-04	3.37E-02	2.94E-03	1.37E+00	
360.188	4249.929	2.36E-03	1.55E-02	1.22E-03	1.66E-01	2.93E-02	1.08E+00	2.43E-03	8.58E-03	2.19E-02	4.85E-04	3.72E-02	3.14E-03	1.37E+00	
360.6	4250.1	3.54E-03	1.46E-02	1.27E-03	1.80E-01	3.00E-02	1.06E+00	2.75E-03	9.75E-03	2.19E-02	5.07E-04	3.82E-02	3.28E-03	1.37E+00	
361.2	4249.7	8.03E-03	1.11E-02	1.36E-03	2.02E-01	3.58E-02	1.01E+00	3.19E-03	1.93E-02	2.67E-02	5.10E-04	4.26E-02	3.67E-03	1.37E+00	
359.4	4247.7	1.27E-03	2.67E-02	1.04E-03	2.40E-01	5.85E-03	1.00E+00	3.44E-03	1.04E-02	4.40E-02	6.05E-04	2.44E-02	3.43E-03	1.36E+00	
361.8	4248.5	9.34E-03	1.10E-02	1.17E-03	2.63E-01	1.51E-02	9.58E-01	4.82E-03	2.94E-02	3.09E-02	4.62E-04	3.64E-02	3.59E-03	1.36E+00	
361.6	4249.1	9.62E-03	1.04E-02	1.26E-03	2.26E-01	2.51E-02	9.81E-01	3.93E-03	2.62E-02	2.89E-02	4.80E-04	4.54E-02	4.01E-03	1.36E+00	
361.7	4247	1.21E-02	1.07E-02	1.21E-03	3.13E-01	5.28E-03	8.76E-01	5.69E-03	5.84E-02	5.68E-02	4.65E-04	2.05E-02	3.09E-03	1.36E+00	
361.7	4247.4	6.47E-03	1.09E-02	1.03E-03	2.99E-01	7.20E-03	9.13E-01	5.52E-03	4.28E-02	4.67E-02	4.11E-04	2.45E-02	3.05E-03	1.36E+00	
361.1	4246.8	6.72E-03	1.06E-02	1.14E-03	3.30E-01	3.40E-03	8.08E-01	4.52E-03	5.08E-02	1.21E-01	4.44E-04	1.90E-02	4.84E-03	1.36E+00	
361.2	4246.8	8.80E-03	1.07E-02	1.19E-03	3.30E-01	3.66E-03	8.19E-01	4.73E-03	5.46E-02	1.02E-01	4.63E-04	1.89E-02	4.42E-03	1.36E+00	
360.5	4250.1	3.15E-03	1.51E-02	1.26E-03	1.71E-01	2.89E-02	1.07E+00	2.61E-03	9.06E-03	2.12E-02	5.06E-04	3.60E-02	3.09E-03	1.36E+00	
360.7	4250.1	4.00E-03	1.41E-02	1.29E-03	1.88E-01	2.90E-02	1.04E+00	2.89E-03	1.07E-02	2.26E-02	5.07E-04	4.05E-02	3.49E-03	1.36E+00	
361.9	4247.9	4.23E-03	9.52E-03	8.02E-04	3.03E-01	9.98E-03	9.26E-01	5.33E-03	3.00E-02	3.40E-02	3.34E-04	2.99E-02	3.23E-03	1.36E+00	
361.8	4248.7	8.02E-03	9.83E-03	1.15E-03	2.53E-01	1.57E-02	9.60E-01	4.52E-03	2.82E-02	2.95E-02	4.40E-04	3.77E-02	3.58E-03	1.35E+00	
361.6	4246.9	1.33E-02	1.05E-02	1.25E-03	3.12E-01	4.86E-03	8.59E-01	5.26E-03	5.81E-02	6.21E-02	4.76E-04	2.02E-02	3.39E-03	1.35E+00	
359.818	4249.667	2.25E-03	1.69E-02	1.12E-03	1.54E-01	2.55E-02	1.08E+00	2.15E-03	8.49E-03	2.18E-02	4.76E-04	3.42E-02	2.90E-03	1.35E+00	
360.754	4246.831	1.70E-03	9.21E-03	7.01E-04	3.03E-01	3.21E-03	7.57E-01	3.39E-03	2.88E-02	2.16E-01	2.97E-04	1.92E-02	6.29E-03	1.35E+00	
359.8	4249.6	2.32E-03	1.72E-02	1.13E-03	1.63E-01	2.72E-02	1.06E+00	2.28E-03	8.62E-03	2.30E-02	4.82E-04	3.63E-02	3.09E-03	1.35E+00	
361.8	4248.6	8.09E-03	1.06E-02	1.12E-03	2.58E-01	1.54E-02	9.47E-01	4.64E-03	2.87E-02	3.03E-02	4.40E-04	3.72E-02	3.59E-03	1.34E+00	
359.304	4248.825	2.09E-03	1.83E-02	1.01E-03	1.75E-01	1.32E-02	1.05E+00	2.34E-03	1.21E-02	3.62E-02	4.81E-04	2.80E-02	2.99E-03	1.34E+00	
361.3	4246.8	1.17E-02	1.07E-02	1.29E-03	3.26E-01	3.95E-03	8.14E-01	4.77E-03	5.96E-02	8.67E-02	4.93E-04	1.91E-02	4.00E-03	1.34E+00	
361	4250	5.88E-03	1.27E-02	1.33E-03	1.92E-01	2.68E-02	1.02E+00	3.05E-03	1.47E-02	2.41E-02	5.16E-04	3.85E-02	3.38E-03	1.34E+00	
361	4246.8	5.95E-03	1.06E-02	1.18E-03	3.22E-01	3.23E-03	7.79E-01	4.08E-03	4.72E-02	1.39E-01	4.58E-04	1.93E-02	5.25E-03	1.34E+00	
361.9	4248.2	6.34E-03	1.08E-02	9.78E-04	2.73E-01	1.17E-02	9.33E-01	5.33E-03	3.04E-02	3.27E-02	4.02E-04	2.99E-02	3.14E-03	1.34E+00	
361.8	4248.8	7.29E-03	9.20E-03	1.05E-03	2.43E-01	1.67E-02	9.56E-01	4.45E-03	2.74E-02	2.88E-02	4.04E-04	3.70E-02	3.47E-03	1.34E+00	
359.5	4249	2.49E-03	1.96E-02	1.11E-03	2.02E-01	2.03E-02	1.00E+00	2.90E-03	1.09E-02	3.01E-02	5.09E-04	3.63E-02	3.36E-03	1.33E+00	
361.7	4247.5	4.95E-03	1.04E-02	9.25E-04	2.74E-01	8.07E-03	9.14E-01	5.44E-03	3.78E-02	4.59E-02	3.75E-04	2.62E-02	3.11E-03	1.33E+00	
361.4	4249.4	8.99E-03	1.08E-02	1.28E-03	2.04E-01	3.08E-02	9.69E-01	3.30E-03	2.43E-02	2.77E-02	4.85E-04	4.31E-02	3.76E-03	1.33E+00	
361.3	4249.6	9.39E-03	1.07E-02	1.42E-03	1.99E-01	3.55E-02	9.73E-01	3.13E-03	2.17E-02	2.69E-02	5.27E-04	4.25E-02	3.71E-03	1.33E+00	
359.302	4248.014	1.18E-03	1.91E-02	8.69E-04	2.27E-01	6.83E-03	9.85E-01	3.30E-03	9.46E-03	4.34E-02	4.51E-04	2.45E-02	3.07E-03	1.33E+00	
359.3	4248.9	2.08E-03	1.96E-02	1.01E-03	1.70E-01	1.32E-02	1.04E+00	2.37E-03	1.18E-02	3.47E-02	4.99E-04	2.72E-02	2.84E-03	1.32E+00	
361.7	4249	7.97E-03	9.10E-03	1.08E-03	2.28E-01	2.14E-02	9.48E-01	4.25E-03	2.64E-02	2.90E-02	4.14E-04	4.07E-02	3.70E-03	1.32E+00	
359.3	4248.7	1.85E-03	1.63E-02	8.93E-04	1.75E-01	1.24E-02	1.03E+00	2.19E-03	1.20E-02	3.64E-02	4.27E-04	2.83E-02	3.09E-03	1.32E+00	
359.301	4248.574	1.63E-03	1.69E-02	8.48E-04	1.83E-01	1.16E-02	1.02E+00	2.20E-03	1.14E-02	3.81E-02	4.24E-04	2.85E-02	3.15E-03	1.32E+00	
361.4	4246.8	1.27E-02	1.05E-02	1.25E-03	3.17E-01	4.19E-03	8.08E-01	4.78E-03	5.97E-02	7.38E-02	4.79E-04	1.92E-02	3.68E-03	1.31E+00	
361.1	4249.9	6.42E-03	1.14E-02	1.31E-03	1.93E-01	2.87E-02	9.86E-01	3.10E-03	1.64E-02	2.49E-02	5.02E-04	3.93E-02	3.41E-03	1.31E+00	
360.2	4250	2.33E-03	1.46E-02	1.17E-03	1.56E-01	2.63E-02	1.04E+00	2.32E-03	8.38E-03	2.04E-02	4.65E-04	3.41E-02	2.90E-03	1.31E+00	
359.3	4248.6	1.65E-03	1.68E-02	8.46E-04	1.60E-01	1.18E-02	1.02E+00	2.17E-03	1.15E-02	3.75E-02	4.23E-04	2.84E-02	3.13E-03	1.31E+00	
359.5	4249.1	2.46E-03	1.82E-02	1.10E-03	1.90E-01	2.03E-02	1.00E+00	2.73E-03	1.05E-02	2.74E-02	4.85E-04	3.52E-02	3.21E-03	1.31E+00	
360.548	4246.735	1.21E-03	6.15E-03	5.01E-04	2.12E-01	2.82E-03	5.01E-01	2.60E-03	2.57E-02	5.39E-01	2.07E-04	1.50E-02	3.66E-03	1.31E+00	
359.875	4249.736	2.22E-03	1.67E-02	1.12E-03	1.50E-01	2.52E-02	1.05E+00	2.09E-03	8.43E-03	2.13E-02	4.74E-04	3.32E-02	2.82E-03	1.31E+00	
359.6	4249.5	2.17E-03	1.54E-02	1.03E-03	1.53E-01	2.13E-02	1.05E+00	2.21E-03	8.75E-03	2.13E-02	4.37E-04	3.19E-02	2.76E-03	1.31E+00	
361.8	4247.1	9.17E-03	1.07E-02	1.10E-03	3.01E-01	5.44E-03	8.45E-01	5.53E-03	5.69E-02	4.77E-02	4.31E-04	1.99E-02	2.78E-03	1.31E+00	
361.9	4248.3	7.18E-03	1.03E-02	9.80E-04	2.60E-01	1.20E-02	9.15E-01	4.84E-03	2.97E-02	3.10E-02	3.97E-04	3.00E-02	3.09E-03	1.31E+00	
360.9	4246.8	3.31E-03	1.03E-02	9.44E-04	3.03E-01	3.15E-03	7.53E-01	3.55E-03	3.80E-02	1.62E-01	3.82E-04	1.92E-02	5.68E-03	1.30E+00	
361.7	4246.9	1.15E-02	1.02E-02	1.17E-03	2.94E-01	4.90E-03	8.29E-01	5.14E-03	6.18E-02	5.58E-02	4.49E-04	1.95E-02	3.13E-03	1.30E+00	
360.9	4250.1	4.99E-03	1.31E-02	1.26E-03	1.85E-01	2.49E-02	9.86E-01	2.92E-03	1.30E-02	2.26E-02	4.95E-04	3.61E-02	3.18E-03	1.29E+00	
361.8	4247.7	5.00E-03	9.91E-03	8.43E-04	2.60E-01	9.34E-03	9.02E-01	4.84E-03	3.29E-02	3.67E-02	3.48E-04	2.89E-02	3.18E-03	1.29E+00	
360.8	4246.8	1.92E-03	9.45E-03	7.42E-04	2.88E-01	3.12E-03	7.32E-01	3.28E-03	3.11E-02	1.97E-01	3.12E-04	1.86E-02	5.96E-03	1.29E+00	
361.9	4247.8	4.48E-03	9.29E-03	7.97E-04	2.78E-01	9.11E-03	8.89E-01	4.80E-03	3.07E-02	3.33E-02	3.30E-04	2.82E-02	3.07E-03	1.29E+00	
361.8	4247	1.07E-02	1.05E-02	1.14E-03	2.92E-01	5.13E-03	8.27E-01	5.31E-03	6.14E-02	5.25E-02	4.42E-04	1.92E-02	2.83E-03	1.29E+00	
361.5	4246.8	1.25E-02	1.03E-02	1.21E-03	3.05E-01	4.34E-03	8.04E-01	4.74E-03	5.88E-02	6.29E-02	4.65E-04	1.91E-02	3.46E-03	1.29E+00	
361.7	4247.6	4.57E-03	9.83E-03	8.54E-04	2.64E-01	9.03E-03	8.82E-01	5.40E-03	3.35E-02	4.21E-02	3.47E-04	2.85E-02	3.23E-03	1.28E+00	
361.8	4248.9	6.45E-03	8.79E-03	9.62E-04	2.30E-01	1.74E-02	9.21E-01	4.32E-03	2.66E-02	2.79E-02	3.74E-04	3.55E-02	3.31E-03	1.28E+00	
361.5	4249.3	9.23E-03	1.12E-02	1.30E-03	2.04E-01	2.64E-02	9.28E-01	3.36E-03	2.52E-02	2.72E-02	4.93E-04	4.24E-02	3.69E-03	1.28E+00	
360.8	4250.1	4.40E-03	1.34E-02	1.25E-03	1.87E-01	2.71E-02	9.65E-01	2.94E-03	1.18E-02	2.26E-02	4.92E-04	3.80E-02	3.31E-03	1.28E+00	
361.8	4247.2	7.65E-03	1.05E-02	1.05E-03	2.95E-01	5.81E-03	8.33E-01	5.30E-03	5.19E-02	4.33E-02	4.13E-04	2.06E-02	2.74E-03	1.28E+00	
360.6	4250.2	3.34E-03	1.38E-02	1.20E-03	1.68E-01	2.55E-02	9.94E-01	2.56E-03	9.46E-03	2.01E-02	4.78E-04	3.50E-02	3.03E-03	1.28E+00	
360.18	4250.032	2.27E-03	1.42E-02	1.14E-03	1.48E-01	2.42E-02	1.02E+00	2.21E-03	8.25E-03	1.95E-02	4.53E-04	3.21E-02	2.73E-03	1.27E+00	
361.2	4249.8	7.47E-03	1.06E-02	1.34E-03	1.90E-01	3.04E-02	9.46E-01	3.04E-03	1.85E-02	2.50E-02	5.01E-04	3.82E-02	3.33E-03	1.27E+00	
361.3	4244.3	9.99E-04	2.65E-03	2.64E-04	4.35E-02	8.68E-04	1.36E-01	6.46E-04	1.07E+00	1.14E-02	9.93E-05	3.29E-03	5.03E-04	1.27E+00	
361.6	4249.2	1.02E-02	1.06E-02	1.35E-03	2.07E-01	2.33E-02	9.14E-01	3.54E-03	2.56E-02	2.71E-02	5.04E-04	4.19E-02	3.69E-03	1.27E+00	
359.8	4249.7	2.18E-03	1.59E-02	1.07E-03	1.46E-01	2.36E-02	1.01E+00	2.06E-03	8.35E-03	2.07E-02	4.51E-04	3.19E-02	2.72E-03	1.27E+00	
360.3	4250	2.51E-03	1.53E-02	1.20E-03	1.57E-01	2.40E-02	1.00E+00	2.45E-03	8.56E-03	1.99E-02	4.83E-04	3.03E-02	2.66E-03	1.27E+00	
359.4	4247.6	1.30E-03	2.40E-02	9.36E-04	2.40E-01	5.01E-03	9.16E-01	3.62E-03	1.04E-02	4.08E-02	5.49E-04	2.22E-02	3.12E-03	1.27E+00	
362	4248	4.20E-03	9.46E-03	7.82E-04	2.76E-01	9.69E-03	8.72E-01	4.67E-03	2.90E-02	3.16E-02	3.27E-04	2.71E-02	2.91E-03	1.27E+00	
361.9	4248.4	8.30E-03	1.00E-02	1.00E-03	2.46E-01	1.22E-02	8.92E-01	4.55E-03	2.91E-02	2.95E-02	4.01E-04	3.08E-02	3.10E-03	1.27E+00	
361.4	4249.5	9.59E-03	1.02E-02	1.35E-03	1.92E-01	2.93E-02	9.25E-01	3.10E-03	2.36E-02	2.65E-02	5.00E-04	3.98E-02	3.51E-03	1.26E+00	
360.4	4250.1	2.73E-03	1.50E-02	1.20E-03	1.57E-01	2.38E-02	9.96E-01	2.44E-03	8.57E-03	1.95E-02	4.85E-04	3.10E-02	2.71E-03	1.26E+00	
361.6	4246.8	1.09E-02	1.01E-02	1.13E-03	2.91E-01	4.45E-03	7.97E-01	4.66E-03	6.08E-02	5.58E-02	4.37E-04	1.89E-02	3.25E-03	1.26E+00	
360.5	4250.2	2.97E-03	1.42E-02	1.18E-03	1.59E-01	2.45E-02	9.88E-01	2.43E-03	8.78E-03	1.94E-02	4.75E-04	3.27E-02	2.83E-03	1.26E+00	
360.7	4250.2	3.74E-03	1.33E-02	1.21E-03	1.74E-01	2.47E-02	9.65E-01	2.69E-03	1.04E-02	2.07E-02	4.77E-04	3.61E-02	3.14E-03	1.26E+00	
359.329	4247.739	1.32E-03	2.16E-02	9.43E-04	2.18E-01	5.85E-03	9.29E-01	2.99E-03	1.01E-02	3.88E-02	5.04E-04	2.22E-02	3.01E-03	1.25E+00	
361	4250.1	5.49E-03	1.23E-02	1.27E-03	1.80E-01	2.29E-02	9.55E-01	2.86E-03	1.42E-02	2.23E-02	4.92E-04	3.45E-02	3.07E-03	1.25E+00	
360.473	4246.934	1.02E-03	6.86E-03	5.05E-04	1.93E-01	2.69E-03	5.38E-01	2.18E-03	2.05E-02	4.67E-01	2.16E-04	1.74E-02	4.71E-03	1.25E+00	

TABLE 3.7-2
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
362	4248.1	4.45E-03	1.00E-02	8.20E-04	2.62E-01	9.94E-03	8.63E-01	4.76E-03	2.88E-02	3.16E-02	3.45E-04	2.68E-02	2.87E-03	1.25E+00	
361.3	4249.7	8.75E-03	1.03E-02	1.35E-03	1.87E-01	3.14E-02	9.11E-01	2.97E-03	2.08E-02	2.52E-02	5.01E-04	3.80E-02	3.35E-03	1.24E+00	
359.261	4248.605	1.62E-03	1.59E-02	8.05E-04	1.73E-01	1.10E-02	9.57E-01	2.09E-03	1.12E-02	3.66E-02	4.01E-04	2.68E-02	2.96E-03	1.24E+00	
359.5	4249.4	2.13E-03	1.46E-02	9.75E-04	1.52E-01	1.87E-02	9.84E-01	2.21E-03	9.17E-03	2.16E-02	4.13E-04	3.00E-02	2.66E-03	1.24E+00	
359.429	4247.54	1.29E-03	2.12E-02	8.42E-04	2.57E-01	4.58E-03	8.75E-01	3.59E-03	1.06E-02	3.92E-02	4.93E-04	2.21E-02	2.91E-03	1.24E+00	
359.806	4249.729	2.15E-03	1.56E-02	1.06E-03	1.42E-01	2.29E-02	9.90E-01	2.01E-03	8.28E-03	2.02E-02	4.44E-04	3.09E-02	2.64E-03	1.24E+00	
361.7	4249.1	7.74E-03	9.00E-03	1.07E-03	2.11E-01	2.09E-02	8.89E-01	3.79E-03	2.57E-02	2.74E-02	4.08E-04	3.88E-02	3.52E-03	1.24E+00	
362	4247.9	4.10E-03	9.05E-03	7.73E-04	2.72E-01	9.18E-03	8.47E-01	4.77E-03	2.96E-02	3.07E-02	3.21E-04	2.66E-02	2.89E-03	1.24E+00	
359.258	4248.295	1.46E-03	1.44E-02	7.27E-04	2.18E-01	8.72E-03	9.15E-01	2.61E-03	9.86E-03	3.68E-02	3.64E-04	2.52E-02	2.91E-03	1.24E+00	
359.26	4248.068	1.21E-03	1.83E-02	8.50E-04	2.18E-01	6.86E-03	9.10E-01	2.97E-03	9.37E-03	3.98E-02	4.39E-04	2.42E-02	2.94E-03	1.24E+00	
361.1	4250	5.93E-03	1.12E-02	1.25E-03	1.81E-01	2.47E-02	9.30E-01	2.91E-03	1.58E-02	2.33E-02	4.81E-04	3.56E-02	3.14E-03	1.24E+00	
360.9	4250.2	4.83E-03	1.28E-02	1.28E-03	1.73E-01	2.14E-02	9.48E-01	2.74E-03	1.27E-02	2.09E-02	4.93E-04	3.24E-02	2.88E-03	1.23E+00	
361.3	4246.7	1.03E-02	1.01E-02	1.25E-03	2.93E-01	3.55E-03	7.44E-01	4.27E-03	6.31E-02	8.10E-02	4.75E-04	1.74E-02	3.84E-03	1.23E+00	
361.2	4246.7	8.65E-03	9.96E-03	1.20E-03	2.93E-01	3.28E-03	7.39E-01	4.15E-03	5.86E-02	9.06E-02	4.60E-04	1.73E-02	4.12E-03	1.23E+00	
361.8	4246.9	9.42E-03	1.00E-02	1.06E-03	2.76E-01	4.84E-03	7.88E-01	4.91E-03	6.31E-02	5.05E-02	4.11E-04	1.86E-02	2.87E-03	1.23E+00	
361.8	4247.3	5.43E-03	1.01E-02	9.24E-04	2.75E-01	6.29E-03	8.16E-01	4.85E-03	4.38E-02	4.13E-02	3.71E-04	2.16E-02	2.71E-03	1.23E+00	
361.4	4246.7	1.03E-02	1.00E-02	1.17E-03	2.91E-01	3.79E-03	7.46E-01	4.30E-03	6.24E-02	7.25E-02	4.50E-04	1.77E-02	3.60E-03	1.22E+00	
361.9	4248.5	8.39E-03	1.00E-02	1.04E-03	2.37E-01	1.27E-02	8.58E-01	4.36E-03	2.85E-02	2.83E-02	4.11E-04	3.11E-02	3.13E-03	1.22E+00	
360.2	4250.1	2.26E-03	1.36E-02	1.10E-03	1.42E-01	2.24E-02	9.73E-01	2.15E-03	8.10E-03	1.85E-02	4.37E-04	3.02E-02	2.59E-03	1.22E+00	
361.1	4246.7	7.02E-03	9.87E-03	1.18E-03	2.92E-01	3.07E-03	7.18E-01	3.88E-03	5.51E-02	1.04E-01	4.53E-04	1.74E-02	4.39E-03	1.22E+00	
361.7	4246.8	9.04E-03	9.80E-03	1.05E-03	2.74E-01	4.53E-03	7.76E-01	4.60E-03	6.32E-02	5.03E-02	4.06E-04	1.85E-02	3.06E-03	1.21E+00	
359.7	4249.6	2.15E-03	1.49E-02	1.01E-03	1.50E-01	2.28E-02	9.54E-01	2.14E-03	8.46E-03	2.10E-02	4.28E-04	3.18E-02	2.75E-03	1.21E+00	
361.8	4249	6.00E-03	8.38E-03	9.29E-04	2.15E-01	1.77E-02	8.66E-01	4.08E-03	2.58E-02	2.69E-02	3.60E-04	3.48E-02	3.24E-03	1.21E+00	
361.514	4247.077	1.54E-03	1.13E-02	1.15E-03	2.69E-01	5.48E-03	7.78E-01	6.47E-03	5.00E-02	5.70E-02	4.51E-04	2.25E-02	3.23E-03	1.21E+00	33
360.235	4246.794	1.01E-03	9.95E-03	4.93E-04	1.36E-01	2.59E-03	3.93E-01	1.58E-03	1.99E-02	5.95E-01	2.52E-04	1.47E-02	2.94E-02	1.20E+00	
359.86	4249.794	2.12E-03	1.55E-02	1.06E-03	1.39E-01	2.26E-02	9.60E-01	1.96E-03	8.22E-03	1.98E-02	4.43E-04	3.01E-02	2.58E-03	1.20E+00	
361.4	4249.6	9.82E-03	9.89E-03	1.41E-03	1.82E-01	2.85E-02	8.80E-01	2.93E-03	2.28E-02	2.52E-02	5.14E-04	3.69E-02	3.29E-03	1.20E+00	
361.9	4247	9.19E-03	1.01E-02	1.06E-03	2.71E-01	4.92E-03	7.71E-01	4.90E-03	6.18E-02	4.80E-02	4.13E-04	1.80E-02	2.60E-03	1.20E+00	
361.8	4247.4	5.51E-03	9.81E-03	9.43E-04	2.52E-01	6.90E-03	8.15E-01	4.62E-03	4.22E-02	4.05E-02	3.74E-04	2.29E-02	2.77E-03	1.20E+00	
361.5	4246.7	9.72E-03	9.84E-03	1.10E-03	2.84E-01	3.97E-03	7.44E-01	4.27E-03	6.10E-02	6.32E-02	4.24E-04	1.77E-02	3.33E-03	1.20E+00	
360.404	4246.9	9.50E-04	6.53E-03	4.51E-04	1.45E-01	2.49E-03	4.30E-01	1.75E-03	1.98E-02	5.73E-01	1.97E-04	1.77E-02	4.64E-03	1.20E+00	
362	4248.2	4.70E-03	9.99E-03	8.34E-04	2.46E-01	1.02E-02	8.33E-01	4.87E-03	2.83E-02	3.07E-02	3.50E-04	2.60E-02	2.78E-03	1.20E+00	
361.9	4248.7	7.30E-03	9.17E-03	1.04E-03	2.25E-01	1.31E-02	8.47E-01	4.02E-03	2.76E-02	2.66E-02	3.99E-04	3.22E-02	3.11E-03	1.20E+00	
361.9	4248.8	7.04E-03	8.55E-03	1.03E-03	2.21E-01	1.40E-02	8.53E-01	3.92E-03	2.71E-02	2.60E-02	3.91E-04	3.20E-02	3.05E-03	1.20E+00	
361.9	4248.6	7.24E-03	9.75E-03	9.99E-04	2.30E-01	1.28E-02	8.41E-01	4.18E-03	2.79E-02	2.73E-02	3.95E-04	3.17E-02	3.12E-03	1.20E+00	
361.9	4247.1	7.96E-03	1.00E-02	1.03E-03	2.72E-01	5.22E-03	7.71E-01	4.89E-03	5.82E-02	4.39E-02	4.03E-04	1.85E-02	2.55E-03	1.20E+00	
359.4	4249	2.25E-03	1.76E-02	9.90E-04	1.79E-01	1.63E-02	9.01E-01	2.57E-03	1.12E-02	3.02E-02	4.62E-04	3.04E-02	2.93E-03	1.19E+00	
361.2	4249.9	6.68E-03	1.03E-02	1.26E-03	1.79E-01	2.62E-02	8.88E-01	2.90E-03	1.76E-02	2.36E-02	4.76E-04	3.48E-02	3.07E-03	1.19E+00	
360.8	4250.2	4.11E-03	1.28E-02	1.19E-03	1.74E-01	2.32E-02	9.03E-01	2.75E-03	1.14E-02	2.08E-02	4.68E-04	3.41E-02	3.00E-03	1.19E+00	
361.5	4249.4	8.38E-03	1.03E-02	1.20E-03	1.86E-01	2.44E-02	8.63E-01	3.10E-03	2.44E-02	2.56E-02	4.57E-04	3.76E-02	3.31E-03	1.19E+00	
361.8	4247.5	4.54E-03	9.51E-03	8.54E-04	2.34E-01	7.65E-03	8.22E-01	4.57E-03	3.68E-02	3.99E-02	3.44E-04	2.44E-02	2.86E-03	1.19E+00	
359.4	4249.3	2.08E-03	1.45E-02	9.31E-04	1.48E-01	1.58E-02	9.38E-01	2.13E-03	9.79E-03	2.21E-02	4.02E-04	2.74E-02	2.49E-03	1.18E+00	
361.6	4246.7	9.30E-03	9.64E-03	1.06E-03	2.72E-01	4.09E-03	7.38E-01	4.22E-03	6.34E-02	5.54E-02	4.09E-04	1.76E-02	3.10E-03	1.18E+00	
360.6	4250.3	3.16E-03	1.30E-02	1.12E-03	1.55E-01	2.19E-02	9.18E-01	2.37E-03	9.20E-03	1.85E-02	4.48E-04	3.13E-02	2.73E-03	1.18E+00	
360.5	4250.3	2.83E-03	1.34E-02	1.12E-03	1.49E-01	2.11E-02	9.27E-01	2.26E-03	8.55E-03	1.79E-02	4.50E-04	3.06E-02	2.67E-03	1.18E+00	
362	4247.8	4.06E-03	8.70E-03	7.53E-04	2.51E-01	8.39E-03	8.08E-01	4.34E-03	3.03E-02	3.02E-02	3.11E-04	2.54E-02	2.77E-03	1.17E+00	
360.5	4246.7	1.07E-03	5.58E-03	4.46E-04	1.62E-01	2.66E-03	4.03E-01	2.19E-03	2.49E-02	5.55E-01	1.84E-04	1.28E-02	3.19E-03	1.17E+00	
359.5	4249.5	2.02E-03	1.39E-02	9.50E-04	1.40E-01	1.76E-02	9.36E-01	2.04E-03	8.79E-03	1.99E-02	3.99E-04	2.77E-02	2.44E-03	1.17E+00	
360.4	4250.2	2.60E-03	1.40E-02	1.12E-03	1.46E-01	2.18E-02	9.24E-01	2.27E-03	8.30E-03	1.82E-02	4.54E-04	2.87E-02	2.51E-03	1.17E+00	
361.9	4248.9	6.53E-03	8.15E-03	9.60E-04	2.13E-01	1.45E-02	8.37E-01	3.88E-03	2.63E-02	2.53E-02	3.66E-04	3.08E-02	2.93E-03	1.17E+00	
362	4248.3	5.38E-03	9.40E-03	8.40E-04	2.36E-01	1.03E-02	8.17E-01	4.47E-03	2.80E-02	2.94E-02	3.45E-04	2.62E-02	2.74E-03	1.17E+00	
360.7	4250.3	3.54E-03	1.26E-02	1.15E-03	1.62E-01	2.15E-02	9.00E-01	2.50E-03	1.01E-02	1.91E-02	4.50E-04	3.24E-02	2.85E-03	1.17E+00	
361	4250.2	5.49E-03	1.21E-02	1.34E-03	1.68E-01	1.99E-02	8.89E-01	2.67E-03	1.39E-02	2.08E-02	5.08E-04	3.09E-02	2.79E-03	1.17E+00	
361	4246.7	5.69E-03	9.74E-03	1.14E-03	2.80E-01	2.93E-03	6.74E-01	3.44E-03	4.99E-02	1.17E-01	4.38E-04	1.72E-02	4.40E-03	1.17E+00	
361.6	4249.3	9.57E-03	1.03E-02	1.32E-03	1.88E-01	2.14E-02	8.40E-01	3.22E-03	2.49E-02	2.54E-02	4.90E-04	3.77E-02	3.33E-03	1.17E+00	
359.5	4249.2	2.34E-03	1.60E-02	1.02E-03	1.74E-01	2.00E-02	8.78E-01	2.56E-03	9.96E-03	2.49E-02	4.39E-04	3.34E-02	3.01E-03	1.17E+00	
361.1	4250.1	5.87E-03	1.11E-02	1.31E-03	1.70E-01	2.13E-02	8.80E-01	2.74E-03	1.53E-02	2.18E-02	4.93E-04	3.23E-02	2.88E-03	1.17E+00	
361.8	4246.8	8.00E-03	9.58E-03	9.86E-04	2.59E-01	4.54E-03	7.44E-01	4.51E-03	6.48E-02	4.60E-02	3.85E-04	1.79E-02	2.85E-03	1.16E+00	
361.9	4246.9	7.73E-03	9.82E-03	9.69E-04	2.59E-01	4.67E-03	7.46E-01	4.68E-03	6.21E-02	4.54E-02	3.81E-04	1.75E-02	2.62E-03	1.16E+00	
361.7	4249.2	8.93E-03	9.14E-03	1.20E-03	1.94E-01	1.96E-02	8.34E-01	3.41E-03	2.51E-02	2.57E-02	4.45E-04	3.63E-02	3.28E-03	1.16E+00	
361.3	4249.8	8.40E-03	9.98E-03	1.40E-03	1.76E-01	2.74E-02	8.53E-01	2.83E-03	1.99E-02	2.37E-02	5.10E-04	3.41E-02	3.04E-03	1.16E+00	
361.8	4247.6	4.37E-03	9.20E-03	7.99E-04	2.32E-01	8.52E-03	8.01E-01	4.62E-03	3.27E-02	3.78E-02	3.25E-04	2.60E-02	2.97E-03	1.16E+00	
359.21	4248.621	1.61E-03	1.49E-02	7.65E-04	1.64E-01	1.02E-02	8.85E-01	1.98E-03	1.09E-02	3.55E-02	3.78E-04	2.48E-02	2.77E-03	1.15E+00	
359.7	4249.7	2.03E-03	1.39E-02	9.61E-04	1.35E-01	2.01E-02	9.19E-01	1.93E-03	8.15E-03	1.90E-02	4.04E-04	2.83E-02	2.44E-03	1.15E+00	
360.3	4250.1	2.40E-03	1.41E-02	1.11E-03	1.44E-01	2.07E-02	9.09E-01	2.27E-03	8.25E-03	1.82E-02	4.48E-04	2.73E-02	2.43E-03	1.15E+00	
360.091	4250.02	2.16E-03	1.39E-02	1.10E-03	1.37E-01	2.19E-02	9.13E-01	2.01E-03	8.14E-03	1.85E-02	4.35E-04	2.89E-02	2.48E-03	1.15E+00	
361.25	4244.15	1.00E-03	2.50E-03	2.53E-04	4.06E-02	8.52E-04	1.28E-01	6.03E-04	9.62E-01	1.02E-02	9.46E-05	3.12E-03	4.65E-04	1.15E+00	
361.7	4246.7	9.32E-03	9.43E-03	1.05E-03	2.58E-01	4.18E-03	7.25E-01	4.17E-03	6.82E-02	4.87E-02	4.04E-04	1.74E-02	2.95E-03	1.15E+00	
362.1	4248	4.48E-03	8.98E-03	7.77E-04	2.48E-01	8.63E-03	7.85E-01	4.18E-03	3.01E-02	2.83E-02	3.21E-04	2.40E-02	2.60E-03	1.15E+00	
360.9	4250.3	4.54E-03	1.23E-02	1.24E-03	1.62E-01	1.88E-02	8.78E-01	2.58E-03	1.23E-02	1.94E-02	4.75E-04	2.93E-02	2.64E-03	1.14E+00	
360.749	4246.728	1.61E-03	7.96E-03	6.41E-04	2.49E-01	2.90E-03	6.38E-01	3.00E-03	3.01E-02	1.88E-01	2.66E-04	1.59E-02	4.94E-03	1.14E+00	
361.9	4247.7	4.40E-03	8.89E-03	7.66E-04	2.32E-01	8.46E-03	7.91E-01	4.16E-03	3.10E-02	3.31E-02	3.15E-04	2.56E-02	2.83E-03	1.14E+00	
362	4248.4	7.27E-03	9.11E-03	9.19E-04	2.24E-01	1.05E-02	8.01E-01	4.15E-03	2.81E-02	2.80E-02	3.66E-04	2.68E-02	2.74E-03	1.14E+00	
359.281	4247.665	1.50E-03	2.10E-02	9.39E-04	1.99E-01	5.22E-03	6.44E-01	2.96E-03	1.07E-02	3.38E-02	5.00E-04	2.00E-02	2.76E-03	1.14E+00	
359.2	4248.3	1.49E-03	1.32E-02	7.02E-04	2.03E-01	8.07E-03	8.42E-01	2.43E-03	9.57E-03	3.41E-02	3.42E-04	2.30E-02	2.65E-03	1.14E+00	
360.648	4246.731	1.35E-03	6.91E-03	5.59E-04	2.38E-01	2.89E-03	5.77E-01	2.93E-03	2.72E-02	2.63E-01	2.32E-04	1.57E-02	4.34E-03	1.14E+00	
361.9	4247.2	5.99E-03	9.62E-03	9.38E-04	2.56E-01	5.56E-03	7.46E-01	4.51E-03	5.14E-02	3.85E-02	3.70E-04	1.91E-02	2.47E-03	1.14E+00	
360.6	4246.7	1.30E-03	6.24E-03	5.18E-04	2.16E-01	2.78E-03	5.17E-01	2.69E-03	2.70E-02	3.47E-01	2.12E-04	1.45E-02	3.64E-03	1.14E+00	
359.5	4249.3	2.22E-03	1.48E-02	9.79E-04	1.64E-01	1.95E-02	8.67E-01	2.39E-03	9.55E-03	2.32E-02	4.15E-04	3.16E-02	2.83E-03	1.14E+00	
360.455	4246.743	9.18E-04	5.56E-03	4.19E-04	1.30E-01	2.29E-03	3.57E-01	1.67E-03	2.24E-02	6.00E-01	1.77E-04	1.14E-02	3.32E-03	1.14E+00	
361.4	4249.7	8.94E-03	9.61E-03	1.28E-03	1.73E-01	2.71E-02	8.29E-01	2.78E-03	2.19E-02	2.39E-02	4.74E-04	3.37E-02	3.03E-03	1.13E+00	
361.8	4249.1	5.85E-03	8.06E-03	9.18E-04	2.00E-01	1.76E-02	8.10E-01	3.74E-03	2.51E-02	2.57E-02	3.53E-04	3.36E-02	3.13E-03	1.13E+00	
359.8	4249.8	2.05E-03	1.44E-02	9.95E-04	1.31E-01	2.05E-02	9.03E-01	1.87E-03	8.05E-03	1.87E-02	4.15E-04	2.79E-02	2.40E-03	1.13E+00	
361.3	4246.6	8.79E-03	9.42E-03	1.18E-03	2.65E-01	3.20E-03	6.79E-01	3.81E-03	6.67E-02	7.25E-02	4.46E-04	1.60E-02	3.57E-03	1.13E+00	

TABLE 3.7-2
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
361.4	4246.6	8.92E-03	9.47E-03	1.12E-03	2.66E-01	3.44E-03	6.88E-01	3.85E-03	6.57E-02	6.40E-02	4.29E-04	1.62E-02	3.41E-03	1.13E+00	
359.3	4247.6	1.54E-03	2.17E-02	9.38E-04	2.04E-01	4.84E-03	8.26E-01	3.14E-03	1.10E-02	3.40E-02	5.15E-04	1.94E-02	2.57E-03	1.13E+00	
359.4	4247.5	1.36E-03	1.80E-02	7.63E-04	2.37E-01	4.25E-03	7.99E-01	3.35E-03	1.09E-02	3.24E-02	4.31E-04	2.01E-02	2.51E-03	1.13E+00	
362.1	4248.1	4.50E-03	9.38E-03	7.95E-04	2.39E-01	8.78E-03	7.78E-01	4.22E-03	2.92E-02	2.87E-02	3.31E-04	2.35E-02	2.54E-03	1.13E+00	
361.2	4250	6.21E-03	1.00E-02	1.25E-03	1.69E-01	2.25E-02	8.42E-01	2.76E-03	1.69E-02	2.22E-02	4.68E-04	3.20E-02	2.85E-03	1.13E+00	
361.5	4249.5	8.62E-03	9.59E-03	1.21E-03	1.73E-01	2.31E-02	8.21E-01	2.89E-03	2.37E-02	2.44E-02	4.52E-04	3.40E-02	3.03E-03	1.13E+00	
362.1	4247.9	4.39E-03	8.67E-03	7.81E-04	2.43E-01	8.36E-03	7.69E-01	4.27E-03	3.11E-02	2.78E-02	3.19E-04	2.38E-02	2.59E-03	1.12E+00	
361.5	4246.6	9.51E-03	9.42E-03	1.10E-03	2.63E-01	3.64E-03	6.89E-01	3.86E-03	6.50E-02	5.82E-02	4.23E-04	1.64E-02	3.21E-03	1.12E+00	
360.8	4250.3	3.89E-03	1.22E-02	1.15E-03	1.64E-01	2.02E-02	8.54E-01	2.58E-03	1.11E-02	1.93E-02	4.49E-04	3.11E-02	2.76E-03	1.12E+00	
359.2	4248	9.73E-04	1.52E-02	6.88E-04	1.93E-01	5.96E-03	8.35E-01	2.81E-03	8.68E-03	3.45E-02	3.62E-04	2.05E-02	2.60E-03	1.12E+00	
359.183	4248.344	1.52E-03	1.22E-02	6.54E-04	1.93E-01	8.18E-03	8.33E-01	2.39E-03	9.52E-03	3.35E-02	3.19E-04	2.27E-02	2.63E-03	1.12E+00	
359.197	4248.226	1.35E-03	1.51E-02	7.61E-04	2.04E-01	7.51E-03	8.18E-01	2.34E-03	9.39E-03	3.44E-02	3.79E-04	2.23E-02	2.55E-03	1.12E+00	
359.248	4247.823	1.03E-03	1.82E-02	7.95E-04	2.02E-01	5.66E-03	8.19E-01	2.65E-03	9.47E-03	3.47E-02	4.23E-04	2.08E-02	2.71E-03	1.12E+00	
359.2	4248.2	1.30E-03	1.53E-02	7.64E-04	2.04E-01	7.35E-03	8.15E-01	2.35E-03	9.35E-03	3.47E-02	3.83E-04	2.24E-02	2.57E-03	1.12E+00	
361.9	4249	6.37E-03	7.85E-03	9.53E-04	2.02E-01	1.47E-02	7.95E-01	3.81E-03	2.57E-02	2.45E-02	3.62E-04	3.00E-02	2.86E-03	1.11E+00	
359.894	4247.019	3.79E-03	1.09E-02	6.56E-04	2.15E-01	2.91E-03	6.64E-01	2.24E-03	2.02E-02	1.67E-01	3.08E-04	2.23E-02	5.90E-03	1.11E+00	
360.9	4246.7	3.31E-03	9.32E-03	8.95E-04	2.59E-01	2.86E-03	6.40E-01	3.02E-03	4.03E-02	1.35E-01	3.57E-04	1.64E-02	4.39E-03	1.11E+00	
361.6	4246.6	9.78E-03	9.27E-03	1.08E-03	2.56E-01	3.77E-03	6.88E-01	3.89E-03	6.91E-02	5.31E-02	4.15E-04	1.65E-02	3.01E-03	1.11E+00	
359.213	4247.902	1.06E-03	1.70E-02	7.72E-04	1.97E-01	5.61E-03	8.24E-01	2.62E-03	9.26E-03	3.26E-02	4.01E-04	2.06E-02	2.63E-03	1.11E+00	
361.9	4246.8	7.93E-03	9.42E-03	9.73E-04	2.46E-01	4.45E-03	7.13E-01	4.36E-03	6.54E-02	4.22E-02	3.79E-04	1.70E-02	2.63E-03	1.11E+00	
359.4	4249.1	2.22E-03	1.58E-02	9.57E-04	1.69E-01	1.63E-02	8.38E-01	2.42E-03	1.07E-02	2.66E-02	4.26E-04	2.93E-02	2.76E-03	1.11E+00	
359.2	4248.1	1.12E-03	1.61E-02	7.50E-04	2.01E-01	6.61E-03	8.15E-01	2.61E-03	9.04E-03	3.58E-02	3.89E-04	2.26E-02	2.72E-03	1.11E+00	
361.8	4246.7	9.54E-03	9.21E-03	1.05E-03	2.44E-01	4.24E-03	7.04E-01	4.11E-03	7.14E-02	4.40E-02	4.02E-04	1.70E-02	2.78E-03	1.11E+00	
361.2	4246.6	6.97E-03	9.29E-03	1.11E-03	2.63E-01	2.97E-03	6.61E-01	3.67E-03	6.17E-02	8.21E-02	4.22E-04	1.58E-02	3.71E-03	1.11E+00	
362	4247	6.59E-03	9.58E-03	9.33E-04	2.48E-01	4.70E-03	7.12E-01	4.49E-03	5.78E-02	4.39E-02	3.68E-04	1.67E-02	2.37E-03	1.11E+00	
362	4248.5	8.04E-03	9.16E-03	9.74E-04	2.14E-01	1.09E-02	7.73E-01	3.95E-03	2.77E-02	2.66E-02	3.82E-04	2.70E-02	2.77E-03	1.11E+00	
359.175	4248.58	1.55E-03	1.37E-02	7.00E-04	1.63E-01	9.41E-03	8.43E-01	1.99E-03	1.03E-02	3.51E-02	3.48E-04	2.35E-02	2.65E-03	1.11E+00	
360.2	4250.2	2.18E-03	1.26E-02	1.03E-03	1.31E-01	1.93E-02	8.81E-01	1.99E-03	7.84E-03	1.69E-02	4.08E-04	2.68E-02	2.33E-03	1.10E+00	
359.196	4248.17	1.23E-03	1.52E-02	7.49E-04	2.02E-01	7.09E-03	8.02E-01	2.37E-03	9.24E-03	3.48E-02	3.77E-04	2.24E-02	2.61E-03	1.10E+00	
360.8	4246.7	1.84E-03	8.30E-03	6.88E-04	2.42E-01	2.83E-03	6.22E-01	2.89E-03	3.27E-02	1.65E-01	2.84E-04	1.55E-02	4.56E-03	1.10E+00	
359.4	4249.2	2.15E-03	1.47E-02	9.31E-04	1.58E-01	1.61E-02	8.35E-01	2.27E-03	1.02E-02	2.40E-02	4.04E-04	2.83E-02	2.62E-03	1.10E+00	
361.1	4250.2	5.80E-03	1.09E-02	1.38E-03	1.60E-01	1.87E-02	8.27E-01	2.55E-03	1.49E-02	2.04E-02	5.12E-04	2.93E-02	2.66E-03	1.09E+00	
362	4246.9	6.32E-03	9.51E-03	8.93E-04	2.45E-01	4.47E-03	7.05E-01	4.38E-03	5.82E-02	4.12E-02	3.55E-04	1.63E-02	2.41E-03	1.09E+00	
361.7	4246.6	9.78E-03	9.08E-03	1.07E-03	2.45E-01	3.87E-03	6.80E-01	3.86E-03	7.38E-02	4.73E-02	4.07E-04	1.63E-02	2.83E-03	1.09E+00	
361.3	4249.9	7.32E-03	9.59E-03	1.26E-03	1.67E-01	2.35E-02	8.04E-01	2.70E-03	1.89E-02	2.24E-02	4.67E-04	3.11E-02	2.80E-03	1.09E+00	
360.4	4250.3	2.47E-03	1.31E-02	1.06E-03	1.37E-01	1.95E-02	8.61E-01	2.12E-03	8.07E-03	1.69E-02	4.27E-04	2.66E-02	2.34E-03	1.09E+00	
359.6	4249.6	1.99E-03	1.32E-02	9.14E-04	1.38E-01	1.92E-02	8.55E-01	2.01E-03	8.36E-03	1.94E-02	3.84E-04	2.79E-02	2.44E-03	1.09E+00	
361	4250.3	5.24E-03	1.17E-02	1.34E-03	1.57E-01	1.74E-02	8.28E-01	2.50E-03	1.34E-02	1.93E-02	5.02E-04	2.79E-02	2.55E-03	1.09E+00	
360.7	4246.7	1.44E-03	7.10E-03	5.82E-04	2.33E-01	2.82E-03	5.84E-01	2.88E-03	2.89E-02	2.05E-01	2.40E-04	1.49E-02	4.35E-03	1.09E+00	
361.5	4249.6	9.59E-03	9.17E-03	1.33E-03	1.65E-01	2.25E-02	7.92E-01	2.73E-03	2.32E-02	2.34E-02	4.83E-04	3.17E-02	2.86E-03	1.08E+00	
359.3	4249	2.05E-03	1.64E-02	9.04E-04	1.61E-01	1.33E-02	8.15E-01	2.31E-03	1.13E-02	3.10E-02	4.29E-04	2.57E-02	2.62E-03	1.08E+00	
359.178	4247.981	9.66E-04	1.47E-02	6.72E-04	1.87E-01	5.71E-03	8.06E-01	2.70E-03	8.75E-03	3.20E-02	3.51E-04	1.96E-02	2.48E-03	1.08E+00	
360.5	4250.4	2.67E-03	1.26E-02	1.05E-03	1.37E-01	1.84E-02	8.51E-01	2.10E-03	8.33E-03	1.65E-02	4.22E-04	2.75E-02	2.42E-03	1.08E+00	
361.9	4247.3	4.39E-03	8.98E-03	8.27E-04	2.31E-01	5.97E-03	7.23E-01	4.08E-03	4.25E-02	3.57E-02	3.31E-04	1.97E-02	2.42E-03	1.08E+00	
359.4	4249.4	1.96E-03	1.30E-02	8.73E-04	1.38E-01	1.53E-02	8.50E-01	2.00E-03	9.27E-03	2.04E-02	3.69E-04	2.57E-02	2.33E-03	1.08E+00	
362.1	4248.2	4.18E-03	9.24E-03	7.67E-04	2.22E-01	8.94E-03	7.46E-01	4.40E-03	2.79E-02	2.84E-02	3.21E-04	2.28E-02	2.47E-03	1.08E+00	
362.1	4247.8	3.94E-03	8.35E-03	7.40E-04	2.27E-01	7.78E-03	7.40E-01	3.93E-03	3.15E-02	2.80E-02	3.04E-04	2.30E-02	2.52E-03	1.08E+00	
362	4248.6	6.59E-03	9.02E-03	9.12E-04	2.07E-01	1.09E-02	7.54E-01	3.75E-03	2.72E-02	2.54E-02	3.60E-04	2.73E-02	2.75E-03	1.08E+00	
362	4248.8	6.66E-03	8.01E-03	9.54E-04	2.00E-01	1.19E-02	7.61E-01	3.53E-03	2.67E-02	2.39E-02	3.62E-04	2.78E-02	2.70E-03	1.07E+00	
359.3	4249.2	1.99E-03	1.39E-02	8.66E-04	1.42E-01	1.32E-02	8.37E-01	2.04E-03	1.04E-02	2.39E-02	3.83E-04	2.44E-02	2.31E-03	1.07E+00	
361.4	4249.8	8.53E-03	9.31E-03	1.26E-03	1.64E-01	2.45E-02	7.82E-01	2.62E-03	2.10E-02	2.26E-02	4.63E-04	3.09E-02	2.81E-03	1.07E+00	
362	4247.1	5.79E-03	9.28E-03	9.05E-04	2.38E-01	4.97E-03	6.91E-01	4.30E-03	5.50E-02	4.08E-02	3.57E-04	1.71E-02	2.30E-03	1.07E+00	
362	4248.7	6.48E-03	8.59E-03	9.19E-04	2.02E-01	1.11E-02	7.55E-01	3.60E-03	2.69E-02	2.45E-02	3.57E-04	2.77E-02	2.73E-03	1.07E+00	
361.9	4246.7	9.37E-03	9.04E-03	1.04E-03	2.33E-01	4.22E-03	6.78E-01	4.00E-03	6.95E-02	4.04E-02	3.98E-04	1.64E-02	2.61E-03	1.07E+00	
360.9	4250.4	4.26E-03	1.18E-02	1.19E-03	1.52E-01	1.64E-02	8.20E-01	2.44E-03	1.19E-02	1.81E-02	4.56E-04	2.68E-02	2.43E-03	1.07E+00	
360.6	4250.4	2.96E-03	1.22E-02	1.04E-03	1.41E-01	1.86E-02	8.34E-01	2.19E-03	8.95E-03	1.68E-02	4.16E-04	2.69E-02	2.39E-03	1.07E+00	
361.7	4249.3	8.70E-03	9.08E-03	1.22E-03	1.75E-01	1.78E-02	7.68E-01	3.08E-03	2.43E-02	2.39E-02	4.47E-04	3.30E-02	2.98E-03	1.07E+00	
361.1	4246.6	5.30E-03	9.15E-03	1.04E-03	2.55E-01	2.78E-03	6.23E-01	3.34E-03	5.77E-02	9.00E-02	4.01E-04	1.56E-02	3.69E-03	1.07E+00	
360.3	4250.2	2.29E-03	1.31E-02	1.04E-03	1.35E-01	1.93E-02	8.41E-01	2.11E-03	7.98E-03	1.70E-02	4.19E-04	2.54E-02	2.25E-03	1.07E+00	
361.6	4249.4	8.45E-03	9.66E-03	1.22E-03	1.69E-01	1.97E-02	7.71E-01	2.91E-03	2.41E-02	2.37E-02	4.54E-04	3.32E-02	2.96E-03	1.07E+00	
361.2	4250.1	6.17E-03	9.89E-03	1.36E-03	1.59E-01	1.97E-02	7.97E-01	2.61E-03	1.64E-02	2.09E-02	5.00E-04	2.93E-02	2.65E-03	1.07E+00	
360.1	4250.1	2.10E-03	1.29E-02	1.04E-03	1.28E-01	1.95E-02	8.45E-01	1.91E-03	7.94E-03	1.72E-02	4.10E-04	2.63E-02	2.29E-03	1.07E+00	
361.8	4249.2	6.75E-03	7.99E-03	1.00E-03	1.83E-01	1.67E-02	7.61E-01	3.34E-03	2.45E-02	2.42E-02	3.75E-04	3.16E-02	2.94E-03	1.06E+00	
360.4	4246.8	8.81E-04	5.92E-03	4.14E-04	1.20E-01	2.27E-03	3.52E-01	1.53E-03	2.09E-02	5.40E-01	1.80E-04	1.24E-02	4.38E-03	1.06E+00	
361.8	4246.6	9.64E-03	8.88E-03	1.04E-03	2.31E-01	3.94E-03	6.65E-01	3.75E-03	7.49E-02	4.28E-02	3.96E-04	1.60E-02	2.67E-03	1.06E+00	
362	4248.9	6.23E-03	7.59E-03	9.35E-04	1.95E-01	1.23E-02	7.55E-01	3.47E-03	2.62E-02	2.31E-02	3.53E-04	2.71E-02	2.61E-03	1.06E+00	
360.003	4250.007	2.05E-03	1.36E-02	1.03E-03	1.27E-01	2.01E-02	8.38E-01	1.85E-03	7.98E-03	1.76E-02	4.14E-04	2.64E-02	2.29E-03	1.06E+00	
362	4246.8	7.57E-03	9.24E-03	9.42E-04	2.33E-01	4.28E-03	6.79E-01	4.13E-03	6.18E-02	3.86E-02	3.67E-04	1.60E-02	2.43E-03	1.06E+00	
359.3	4249.3	1.97E-03	1.37E-02	8.91E-04	1.35E-01	1.30E-02	8.32E-01	1.92E-03	9.99E-03	2.14E-02	3.86E-04	2.36E-02	2.20E-03	1.06E+00	
362	4247.7	4.09E-03	8.28E-03	7.33E-04	2.11E-01	7.64E-03	7.33E-01	3.69E-03	3.15E-02	3.02E-02	2.99E-04	2.32E-02	2.56E-03	1.06E+00	
359.84	4249.884	1.99E-03	1.37E-02	9.62E-04	1.25E-01	1.93E-02	8.39E-01	1.78E-03	7.91E-03	1.78E-02	4.00E-04	2.61E-02	2.26E-03	1.06E+00	
361.6	4246.5	7.74E-03	8.90E-03	9.96E-04	2.41E-01	3.48E-03	6.45E-01	3.57E-03	7.23E-02	5.07E-02	3.84E-04	1.54E-02	2.92E-03	1.05E+00	
361.9	4247.4	4.16E-03	8.65E-03	8.08E-04	2.11E-01	6.48E-03	7.19E-01	3.88E-03	3.92E-02	3.44E-02	3.21E-04	2.07E-02	2.46E-03	1.05E+00	
362.1	4248.3	4.52E-03	8.65E-03	7.55E-04	2.13E-01	8.95E-03	7.30E-01	4.11E-03	2.73E-02	2.76E-02	3.12E-04	2.31E-02	2.45E-03	1.05E+00	
361.5	4246.5	7.91E-03	8.99E-03	1.03E-03	2.43E-01	3.33E-03	6.38E-01	3.54E-03	6.84E-02	5.60E-02	3.97E-04	1.52E-02	3.04E-03	1.05E+00	
359.5	4249.6	1.87E-03	1.23E-02	8.64E-04	1.27E-01	1.62E-02	8.34E-01	1.87E-03	8.35E-03	1.82E-02	3.61E-04	2.49E-02	2.20E-03	1.05E+00	
361.9	4249.1	5.38E-03	7.49E-03	8.75E-04	1.90E-01	1.49E-02	7.44E-01	3.60E-03	2.48E-02	2.36E-02	3.34E-04	2.95E-02	2.81E-03	1.05E+00	
361.4	4246.5	8.37E-03	8.95E-03	1.11E-03	2.42E-01	3.13E-03	6.30E-01	3.51E-03	6.95E-02	6.28E-02	4.19E-04	1.49E-02	3.14E-03	1.05E+00	
359.292	4247.507	1.39E-03	1.89E-02	8.17E-04	2.02E-01	4.17E-03	7.59E-01	2.75E-03	1.15E-02	2.60E-02	4.53E-04	1.75E-02	2.11E-03	1.05E+00	
360.8	4250.4	3.64E-03	1.16E-02	1.08E-03	1.53E-01	1.78E-02	7.97E-01	2.43E-03	1.08E-02	1.79E-02	4.22E-04	2.85E-02	2.55E-03	1.05E+00	
361.3	4246.5	8.08E-03	8.83E-03	1.15E-03	2.41E-01	2.90E-03	6.19E-01	3.41E-03	7.09E-02	7.19E-02	4.30E-04	1.47E-02	3.28E-03	1.04E+00	
359.233	4247.589	1.61E-03	1.99E-02	9.06E-04	1.86E-01	4.62E-03	7.66E-01	2.84E-03	1.16E-02	2.96E-02	4.82E-04	1.77E-02	2.25E-03	1.04E+00	
359.6	4249.7	1.88E-03	1.24E-02	8.74E-04	1.25E-01	1.71E-02	8.32E-01	1.81E-03	8.02E-03	1.76E-02	3.66E-04	2.51E-02	2.20E-03	1.04E+00	
361.5	4249.7	8.95E-03	8.87E-03	1.23E-03	1.59E-01	2.19E-02	7.61E-01	2.59E-03	2.25E-02	2.26E-02	4.52E-04	2.97E-02	2.71E-03	1.04E+00	

TABLE 3.7-2
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
361.7	4246.5	7.71E-03	8.73E-03	9.67E-04	2.33E-01	3.59E-03	6.41E-01	3.58E-03	7.59E-02	4.59E-02	3.73E-04	1.53E-02	2.74E-03	1.04E+00	
359.2	4247.8	9.40E-04	1.68E-02	7.34E-04	1.86E-01	5.29E-03	7.60E-01	2.46E-03	9.57E-03	3.27E-02	3.92E-04	1.90E-02	2.52E-03	1.04E+00	
362.2	4248	5.19E-03	8.41E-03	8.08E-04	2.23E-01	7.67E-03	7.07E-01	3.76E-03	3.15E-02	2.55E-02	3.25E-04	2.14E-02	2.33E-03	1.04E+00	
362.1	4248.4	6.37E-03	8.34E-03	8.42E-04	2.04E-01	9.10E-03	7.22E-01	3.78E-03	2.77E-02	2.65E-02	3.34E-04	2.36E-02	2.45E-03	1.03E+00	
359.4	4249.5	1.86E-03	1.22E-02	8.42E-04	1.28E-01	1.46E-02	8.18E-01	1.87E-03	8.81E-03	1.88E-02	3.52E-04	2.41E-02	2.17E-03	1.03E+00	
359.201	4247.714	1.06E-03	1.68E-02	7.47E-04	1.81E-01	5.10E-03	7.60E-01	2.49E-03	1.03E-02	3.12E-02	3.96E-04	1.82E-02	2.51E-03	1.03E+00	
361.9	4247.6	4.04E-03	8.37E-03	7.41E-04	2.02E-01	7.78E-03	7.09E-01	3.87E-03	3.17E-02	3.35E-02	3.00E-04	2.32E-02	2.65E-03	1.03E+00	
362.2	4248.1	5.34E-03	8.77E-03	8.27E-04	2.18E-01	7.80E-03	7.03E-01	3.75E-03	3.06E-02	2.60E-02	3.34E-04	2.07E-02	2.27E-03	1.03E+00	
359.792	4247.004	3.23E-03	8.98E-03	5.04E-04	2.21E-01	2.74E-03	6.22E-01	2.28E-03	1.86E-02	1.23E-01	2.42E-04	1.92E-02	5.22E-03	1.03E+00	
359.7	4249.8	1.90E-03	1.26E-02	8.90E-04	1.21E-01	1.76E-02	8.18E-01	1.75E-03	7.83E-03	1.73E-02	3.70E-04	2.50E-02	2.17E-03	1.03E+00	
360.7	4250.4	3.21E-03	1.16E-02	1.03E-03	1.44E-01	1.63E-02	7.91E-01	2.29E-03	9.74E-03	1.69E-02	4.07E-04	2.59E-02	2.35E-03	1.03E+00	
361.1	4250.3	5.47E-03	1.06E-02	1.35E-03	1.50E-01	1.61E-02	7.76E-01	2.38E-03	1.43E-02	1.90E-02	4.96E-04	2.66E-02	2.45E-03	1.02E+00	
362.2	4247.9	4.61E-03	8.19E-03	7.80E-04	2.18E-01	7.55E-03	6.98E-01	3.82E-03	3.20E-02	2.55E-02	3.14E-04	2.13E-02	2.33E-03	1.02E+00	
361.9	4247.5	3.92E-03	8.35E-03	7.62E-04	2.00E-01	7.10E-03	7.04E-01	3.81E-03	3.48E-02	3.41E-02	3.05E-04	2.18E-02	2.54E-03	1.02E+00	
361.3	4250	6.69E-03	9.21E-03	1.23E-03	1.57E-01	2.00E-02	7.53E-01	2.60E-03	1.80E-02	2.10E-02	4.53E-04	2.83E-02	2.57E-03	1.02E+00	
361.9	4246.6	8.40E-03	8.69E-03	9.76E-04	2.19E-01	3.97E-03	6.44E-01	3.67E-03	7.09E-02	3.90E-02	3.74E-04	1.57E-02	2.54E-03	1.02E+00	
362	4249	5.42E-03	7.31E-03	8.66E-04	1.87E-01	1.24E-02	7.23E-01	3.38E-03	2.54E-02	2.23E-02	3.30E-04	2.61E-02	2.52E-03	1.02E+00	
362	4246.7	8.59E-03	8.90E-03	9.96E-04	2.21E-01	4.11E-03	6.49E-01	3.87E-03	6.48E-02	3.70E-02	3.82E-04	1.56E-02	2.43E-03	1.02E+00	
362.1	4246.9	5.65E-03	9.07E-03	8.47E-04	2.26E-01	4.25E-03	6.56E-01	4.01E-03	5.47E-02	3.77E-02	3.36E-04	1.52E-02	2.20E-03	1.02E+00	
359.107	4248.394	1.49E-03	1.12E-02	6.00E-04	1.73E-01	7.62E-03	7.56E-01	2.20E-03	9.17E-03	3.09E-02	2.93E-04	2.07E-02	2.38E-03	1.02E+00	
361.2	4250.2	5.94E-03	9.76E-03	1.42E-03	1.51E-01	1.74E-02	7.61E-01	2.44E-03	1.57E-02	1.97E-02	5.13E-04	2.70E-02	2.47E-03	1.01E+00	
361	4250.4	4.83E-03	1.12E-02	1.27E-03	1.47E-01	1.50E-02	7.72E-01	2.35E-03	1.29E-02	1.79E-02	4.75E-04	2.50E-02	2.32E-03	1.01E+00	
361.2	4246.5	6.13E-03	8.67E-03	1.04E-03	2.37E-01	2.70E-03	5.91E-01	3.20E-03	6.55E-02	7.85E-02	3.94E-04	1.45E-02	3.29E-03	1.01E+00	
361.8	4246.5	7.70E-03	8.56E-03	9.46E-04	2.20E-01	3.66E-03	6.28E-01	3.50E-03	7.68E-02	4.19E-02	3.64E-04	1.51E-02	2.58E-03	1.01E+00	
360.3	4250.3	2.21E-03	1.22E-02	9.85E-04	1.28E-01	1.86E-02	7.92E-01	1.99E-03	7.76E-03	1.62E-02	3.95E-04	2.49E-02	2.19E-03	1.01E+00	
362.1	4248.5	7.15E-03	8.38E-03	8.89E-04	1.96E-01	9.34E-03	7.03E-01	3.58E-03	2.73E-02	2.54E-02	3.48E-04	2.37E-02	2.46E-03	1.01E+00	
361.4	4249.9	7.86E-03	8.97E-03	1.21E-03	1.56E-01	2.14E-02	7.35E-01	2.51E-03	2.00E-02	2.14E-02	4.44E-04	2.82E-02	2.59E-03	1.01E+00	
362	4247.2	4.84E-03	8.69E-03	8.43E-04	2.17E-01	5.27E-03	6.61E-01	3.83E-03	4.96E-02	3.51E-02	3.32E-04	1.74E-02	2.21E-03	1.01E+00	
359.396	4247.448	1.56E-03	1.44E-02	6.83E-04	2.12E-01	3.89E-03	7.10E-01	3.24E-03	1.16E-02	2.79E-02	3.65E-04	1.80E-02	2.22E-03	1.00E+00	
362.1	4246.8	6.98E-03	8.99E-03	8.99E-04	2.21E-01	4.09E-03	6.43E-01	3.88E-03	5.92E-02	3.57E-02	3.52E-04	1.50E-02	2.25E-03	1.00E+00	
361.6	4249.5	7.54E-03	8.98E-03	1.12E-03	1.56E-01	1.85E-02	7.26E-01	2.66E-03	2.33E-02	2.24E-02	4.17E-04	2.96E-02	2.67E-03	1.00E+00	

TABLE 3.7-3
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
SPECIAL RECEPTOR LOCATIONS
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
351.268	4248.783	5.32E-04	1.11E-03	1.44E-04	1.61E-02	4.82E-04	6.47E-02	2.46E-04	2.20E-06	3.52E-03	5.18E-05	1.48E-03	2.04E-04	8.86E-02	1
351.442	4248.922	6.20E-04	1.23E-03	1.64E-04	1.73E-02	5.60E-04	7.01E-02	2.71E-04	2.57E-06	3.95E-03	5.88E-05	1.67E-03	2.27E-04	9.62E-02	2
352.304	4244.943	1.22E-03	2.62E-03	3.36E-04	3.58E-02	7.78E-04	1.36E-01	5.80E-04	5.44E-06	6.01E-03	1.22E-04	2.96E-03	3.90E-04	1.87E-01	3
351.249	4248.867	5.31E-04	1.10E-03	1.40E-04	1.57E-02	4.94E-04	6.41E-02	2.41E-04	2.15E-06	3.51E-03	5.08E-05	1.49E-03	2.03E-04	8.76E-02	4
351.861	4255.334	3.89E-04	1.04E-03	1.35E-04	1.17E-02	4.57E-04	5.21E-02	1.89E-04	2.17E-06	2.60E-03	4.61E-05	1.23E-03	1.59E-04	7.01E-02	5
352.91	4256.166	6.83E-04	1.13E-03	1.82E-04	1.35E-02	5.95E-04	6.11E-02	1.93E-04	2.61E-06	3.07E-03	6.32E-05	1.54E-03	1.92E-04	8.22E-02	6
352.923	4256.511	6.68E-04	1.08E-03	1.79E-04	1.28E-02	5.62E-04	5.92E-02	1.84E-04	2.58E-06	2.91E-03	6.23E-05	1.46E-03	1.84E-04	7.93E-02	7
360.07	4251.515	3.12E-03	1.35E-02	1.21E-03	1.45E-01	1.09E-02	7.52E-01	2.25E-03	1.88E-05	1.94E-02	4.69E-04	2.10E-02	2.09E-03	9.70E-01	8
358.319	4256.787	9.90E-04	2.44E-03	2.90E-04	2.52E-02	1.15E-03	1.14E-01	4.03E-04	4.65E-06	4.15E-03	1.05E-04	2.89E-03	3.31E-04	1.52E-01	9
357.967	4236.782	8.52E-04	1.28E-03	1.70E-04	1.65E-02	3.67E-04	5.88E-02	2.43E-04	2.51E-06	3.53E-03	6.09E-05	1.31E-03	1.92E-04	8.33E-02	10
357.757	4257.938	7.18E-04	1.58E-03	2.15E-04	1.72E-02	7.94E-04	7.76E-02	2.71E-04	3.40E-06	2.94E-03	7.52E-05	2.01E-03	2.32E-04	1.04E-01	11
358.583	4257.985	9.02E-04	1.99E-03	2.50E-04	2.10E-02	9.36E-04	9.32E-02	3.57E-04	4.25E-06	3.42E-03	8.79E-05	2.44E-03	2.74E-04	1.25E-01	12
358.28	4258.699	6.67E-04	1.52E-03	1.85E-04	1.54E-02	6.96E-04	7.05E-02	2.53E-04	3.04E-06	2.57E-03	6.63E-05	1.82E-03	2.05E-04	9.39E-02	13
356.538	4257.418	7.73E-04	1.50E-03	2.05E-04	1.61E-02	6.64E-04	7.16E-02	2.57E-04	3.28E-06	2.65E-03	7.09E-05	1.74E-03	2.03E-04	9.58E-02	14
355.609	4257.482	7.75E-04	1.22E-03	1.88E-04	1.36E-02	5.90E-04	5.68E-02	2.12E-04	2.94E-06	2.50E-03	6.51E-05	1.45E-03	1.74E-04	7.75E-02	15
354.756	4257.833	5.98E-04	9.66E-04	1.55E-04	1.17E-02	5.05E-04	4.99E-02	1.83E-04	2.43E-06	2.11E-03	5.26E-05	1.28E-03	1.53E-04	6.76E-02	16
353.592	4257.513	5.93E-04	9.74E-04	1.58E-04	1.29E-02	4.95E-04	5.56E-02	2.00E-04	2.44E-06	2.17E-03	5.39E-05	1.34E-03	1.62E-04	7.47E-02	17
356.252	4258.813	4.49E-04	8.71E-04	1.23E-04	1.03E-02	4.50E-04	4.52E-02	1.68E-04	2.01E-06	1.70E-03	4.18E-05	1.13E-03	1.32E-04	6.05E-02	18
356.063	4257.493	8.00E-04	1.39E-03	1.99E-04	1.45E-02	6.02E-04	6.25E-02	2.29E-04	3.15E-06	2.46E-03	6.93E-05	1.54E-03	1.82E-04	8.44E-02	19
354.883	4257.418	6.79E-04	1.10E-03	1.72E-04	1.32E-02	5.56E-04	5.66E-02	2.05E-04	2.66E-06	2.38E-03	5.86E-05	1.46E-03	1.73E-04	7.66E-02	20
355.43	4258.246	6.18E-04	9.68E-04	1.62E-04	1.10E-02	4.74E-04	4.60E-02	1.72E-04	2.54E-06	2.05E-03	5.44E-05	1.18E-03	1.41E-04	6.27E-02	21
362.258	4250.367	9.98E-03	1.17E-02	1.70E-03	1.92E-01	1.20E-02	7.78E-01	3.23E-03	2.86E-05	3.08E-02	6.06E-04	2.36E-02	2.54E-03	1.07E+00	22
370.147	4251.962	1.10E-03	1.22E-03	2.91E-04	1.83E-02	5.21E-04	6.28E-02	2.89E-04	4.58E-06	3.11E-03	8.66E-05	1.61E-03	2.12E-04	8.95E-02	23
367.434	4250.773	1.84E-03	2.29E-03	4.31E-04	3.69E-02	1.06E-03	1.24E-01	5.47E-04	6.39E-06	6.40E-03	1.39E-04	3.26E-03	4.24E-04	1.77E-01	24
369.904	4251.966	1.18E-03	1.31E-03	3.07E-04	1.97E-02	5.52E-04	6.69E-02	3.09E-04	4.81E-06	3.31E-03	9.17E-05	1.72E-03	2.26E-04	9.56E-02	25
368.069	4251.009	1.67E-03	1.95E-03	3.97E-04	3.06E-02	8.97E-04	1.06E-01	4.71E-04	6.11E-06	5.28E-03	1.24E-04	2.74E-03	3.54E-04	1.51E-01	26
369.859	4252.183	1.22E-03	1.33E-03	3.08E-04	2.02E-02	5.50E-04	6.81E-02	3.16E-04	4.82E-06	3.36E-03	9.20E-05	1.72E-03	2.28E-04	9.74E-02	27
363.629	4249.585	4.26E-03	8.26E-03	9.18E-04	1.66E-01	6.05E-03	5.31E-01	2.83E-03	1.57E-05	2.61E-02	3.43E-04	1.64E-02	1.92E-03	7.64E-01	28
368.355	4251.123	1.55E-03	1.85E-03	3.82E-04	2.87E-02	8.35E-04	9.89E-02	4.39E-04	5.84E-06	4.87E-03	1.19E-04	2.54E-03	3.29E-04	1.41E-01	29
369.938	4251.951	1.17E-03	1.29E-03	3.04E-04	1.95E-02	5.48E-04	6.63E-02	3.06E-04	4.77E-06	3.28E-03	9.09E-05	1.70E-03	2.24E-04	9.47E-02	30
363.845	4250.503	4.41E-03	4.85E-03	8.89E-04	9.89E-02	3.58E-03	3.23E-01	1.60E-03	1.44E-05	1.77E-02	2.90E-04	9.10E-03	1.16E-03	4.65E-01	31
363.022	4250.743	5.84E-03	6.96E-03	1.19E-03	1.30E-01	5.53E-03	4.55E-01	2.23E-03	2.06E-05	2.11E-02	4.02E-04	1.34E-02	1.59E-03	6.42E-01	32
361.514	4247.077	4.30E-03	3.17E-02	3.21E-03	7.54E-01	1.53E-02	2.18E+00	1.81E-02	7.73E-05	1.60E-01	1.26E-03	6.31E-02	9.03E-03	3.24E+00	33
361.88	4251.105	1.86E-03	1.14E-02	1.64E-03	1.46E-01	9.79E-03	6.40E-01	2.99E-03	3.36E-05	2.64E-02	5.77E-04	2.14E-02	2.30E-03	8.64E-01	34
360.725	4249.695	3.02E-03	4.99E-02	4.39E-03	6.16E-01	1.68E-01	4.15E+00	1.10E-02	7.88E-05	8.71E-02	1.76E-03	1.94E-01	1.55E-02	5.30E+00	35
362.048	4247.285	1.77E-03	2.10E-02	2.01E-03	3.83E-01	1.47E-02	1.41E+00	8.78E-03	4.60E-05	7.98E-02	7.84E-04	4.61E-02	5.25E-03	1.97E+00	36
361.991	4248.954	2.81E-03	2.03E-02	2.40E-03	4.06E-01	3.44E-02	1.80E+00	9.39E-03	5.55E-05	5.55E-02	9.07E-04	7.36E-02	6.68E-03	2.41E+00	37
361.004	4242.31	3.65E-04	3.61E-03	4.11E-04	4.12E-02	1.15E-03	1.48E-01	7.51E-04	7.48E-06	1.28E-02	1.48E-04	4.21E-03	5.88E-04	2.13E-01	38
361.042	4244.529	6.03E-04	7.04E-03	7.00E-04	9.74E-02	2.65E-03	3.33E-01	1.81E-03	1.30E-05	3.00E-02	2.62E-04	9.51E-03	1.36E-03	4.84E-01	39
351.191	4248.367	7.70E-05	9.65E-04	1.27E-04	1.31E-02	4.27E-04	4.55E-02	2.24E-04	2.18E-06	3.00E-03	4.47E-05	1.24E-03	1.78E-04	6.48E-02	40

TABLE 3.7-4
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
SPECIAL RECEPTOR LOCATIONS
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT												ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	HYDROGEN CHLORIDE	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
351.268	4248.783	1.90E-04	3.97E-04	5.14E-05	5.75E-03	1.72E-04	2.31E-02	8.80E-05	1.35E-03	1.26E-03	1.85E-05	5.29E-04	7.28E-05	3.30E-02	1
351.442	4248.922	2.22E-04	4.40E-04	5.85E-05	6.18E-03	2.00E-04	2.50E-02	9.69E-05	1.48E-03	1.41E-03	2.10E-05	5.97E-04	8.11E-05	3.58E-02	2
352.304	4244.943	4.37E-04	9.37E-04	1.20E-04	1.28E-02	2.78E-04	4.87E-02	2.07E-04	2.09E-03	2.15E-03	4.34E-05	1.06E-03	1.39E-04	6.89E-02	3
351.249	4248.867	1.90E-04	3.94E-04	5.01E-05	5.61E-03	1.76E-04	2.29E-02	8.59E-05	1.26E-03	1.25E-03	1.81E-05	5.34E-04	7.27E-05	3.26E-02	4
351.861	4255.334	1.39E-04	3.73E-04	4.82E-05	4.19E-03	1.63E-04	1.86E-02	6.74E-05	1.69E-03	9.28E-04	1.65E-05	4.38E-04	5.67E-05	2.67E-02	5
352.91	4256.166	2.44E-04	4.03E-04	6.51E-05	4.81E-03	2.13E-04	2.18E-02	6.88E-05	1.38E-03	1.10E-03	2.26E-05	5.49E-04	6.85E-05	3.07E-02	6
352.923	4256.511	2.39E-04	3.86E-04	6.41E-05	4.57E-03	2.01E-04	2.11E-02	6.59E-05	1.31E-03	1.04E-03	2.23E-05	5.21E-04	6.57E-05	2.96E-02	7
360.07	4251.515	1.11E-03	4.84E-03	4.32E-04	5.17E-02	3.88E-03	2.69E-01	8.02E-04	5.02E-03	6.92E-03	1.68E-04	7.50E-03	7.46E-04	3.52E-01	8
358.319	4256.787	3.54E-04	8.71E-04	1.04E-04	8.99E-03	4.11E-04	4.09E-02	1.44E-04	1.46E-03	1.48E-03	3.75E-05	1.03E-03	1.18E-04	5.59E-02	9
357.967	4236.782	3.04E-04	4.56E-04	6.08E-05	5.88E-03	1.31E-04	2.10E-02	8.68E-05	4.44E-03	1.26E-03	2.18E-05	4.69E-04	6.87E-05	3.42E-02	10
357.757	4257.938	2.56E-04	5.63E-04	7.68E-05	6.13E-03	2.84E-04	2.77E-02	9.70E-05	1.10E-03	1.05E-03	2.69E-05	7.19E-04	8.27E-05	3.81E-02	11
358.583	4257.985	3.22E-04	7.11E-04	8.93E-05	7.50E-03	3.34E-04	3.33E-02	1.28E-04	1.28E-03	1.22E-03	3.14E-05	8.71E-04	9.78E-05	4.59E-02	12
358.28	4258.699	2.38E-04	5.42E-04	6.61E-05	5.49E-03	2.48E-04	2.52E-02	9.03E-05	9.90E-04	9.19E-04	2.37E-05	6.49E-04	7.32E-05	3.45E-02	13
356.538	4257.418	2.76E-04	5.34E-04	7.32E-05	5.73E-03	2.37E-04	2.56E-02	9.19E-05	1.44E-03	9.47E-04	2.53E-05	6.21E-04	7.27E-05	3.57E-02	14
355.609	4257.482	2.77E-04	4.36E-04	6.71E-05	4.84E-03	2.11E-04	2.03E-02	7.58E-05	1.20E-03	8.93E-04	2.33E-05	5.18E-04	6.22E-05	2.89E-02	15
354.756	4257.833	2.14E-04	3.45E-04	5.54E-05	4.17E-03	1.80E-04	1.78E-02	6.52E-05	1.00E-03	7.55E-04	1.88E-05	4.58E-04	5.46E-05	2.52E-02	16
353.592	4257.513	2.12E-04	3.48E-04	5.65E-05	4.62E-03	1.77E-04	1.99E-02	7.13E-05	1.11E-03	7.74E-04	1.93E-05	4.79E-04	5.80E-05	2.78E-02	17
356.252	4258.813	1.61E-04	3.11E-04	4.39E-05	3.68E-03	1.61E-04	1.61E-02	6.00E-05	8.99E-04	6.07E-04	1.49E-05	4.04E-04	4.71E-05	2.25E-02	18
356.063	4257.493	2.86E-04	4.95E-04	7.11E-05	5.17E-03	2.15E-04	2.23E-02	8.17E-05	1.34E-03	8.78E-04	2.48E-05	5.51E-04	6.50E-05	3.15E-02	19
354.883	4257.416	2.42E-04	3.94E-04	6.13E-05	4.72E-03	1.99E-04	2.02E-02	7.33E-05	1.16E-03	8.52E-04	2.09E-05	5.21E-04	6.19E-05	2.85E-02	20
355.43	4258.246	2.21E-04	3.46E-04	5.77E-05	3.91E-03	1.69E-04	1.64E-02	6.15E-05	1.01E-03	7.34E-04	1.94E-05	4.20E-04	5.04E-05	2.34E-02	21
362.258	4250.367	3.57E-03	4.16E-03	6.08E-04	6.86E-02	4.27E-03	2.78E-01	1.15E-03	1.42E-02	1.10E-02	2.16E-04	8.44E-03	9.06E-04	3.95E-01	22
370.147	4251.962	3.91E-04	4.34E-04	1.04E-04	6.55E-03	1.86E-04	2.24E-02	1.03E-04	2.70E-03	1.11E-03	3.10E-05	5.76E-04	7.56E-05	3.47E-02	23
367.434	4250.773	6.58E-04	8.17E-04	1.54E-04	1.32E-02	3.79E-04	4.43E-02	1.95E-04	4.22E-03	2.28E-03	4.96E-05	1.16E-03	1.52E-04	6.75E-02	24
369.904	4251.966	4.23E-04	4.67E-04	1.10E-04	7.03E-03	1.97E-04	2.39E-02	1.10E-04	2.85E-03	1.18E-03	3.27E-05	6.13E-04	8.07E-05	3.70E-02	25
368.069	4251.009	5.96E-04	6.98E-04	1.42E-04	1.09E-02	3.20E-04	3.80E-02	1.68E-04	3.92E-03	1.89E-03	4.44E-05	9.78E-04	1.26E-04	5.78E-02	26
369.859	4252.183	4.35E-04	4.76E-04	1.10E-04	7.21E-03	1.96E-04	2.43E-02	1.13E-04	2.83E-03	1.20E-03	3.29E-05	6.15E-04	8.16E-05	3.76E-02	27
363.629	4249.585	1.52E-03	2.95E-03	3.28E-04	5.94E-02	2.16E-03	1.90E-01	1.01E-03	1.66E-02	9.33E-03	1.23E-04	5.85E-03	6.86E-04	2.89E-01	28
368.355	4251.123	5.55E-04	6.60E-04	1.36E-04	1.03E-02	2.98E-04	3.53E-02	1.57E-04	3.78E-03	1.74E-03	4.24E-05	9.09E-04	1.17E-04	5.40E-02	29
369.938	4251.951	4.17E-04	4.63E-04	1.09E-04	6.96E-03	1.96E-04	2.37E-02	1.09E-04	2.83E-03	1.17E-03	3.25E-05	6.08E-04	8.00E-05	3.67E-02	30
363.845	4250.503	1.57E-03	1.73E-03	3.18E-04	3.53E-02	1.28E-03	1.15E-01	5.73E-04	1.27E-02	6.33E-03	1.03E-04	3.25E-03	4.13E-04	1.79E-01	31
363.022	4250.743	2.09E-03	2.49E-03	4.27E-04	4.63E-02	1.98E-03	1.62E-01	7.98E-04	1.28E-02	7.55E-03	1.44E-04	4.77E-03	5.67E-04	2.42E-01	32
361.514	4247.077	1.54E-03	1.13E-02	1.15E-03	2.69E-01	5.48E-03	7.78E-01	6.47E-03	5.00E-02	5.70E-02	4.51E-04	2.25E-02	3.23E-03	1.21E+00	33
361.88	4251.105	6.65E-04	4.07E-03	5.84E-04	5.20E-02	3.50E-03	2.28E-01	1.07E-03	1.34E-02	9.42E-03	2.06E-04	7.66E-03	8.21E-04	3.22E-01	34
360.725	4249.695	1.08E-03	1.78E-02	1.57E-03	2.20E-01	6.01E-02	1.48E+00	3.95E-03	1.27E-02	3.11E-02	6.29E-04	6.95E-02	5.52E-03	1.91E+00	35
362.048	4247.285	6.31E-04	7.52E-03	7.16E-04	1.37E-01	5.24E-03	5.04E-01	3.14E-03	4.11E-02	2.85E-02	2.80E-04	1.65E-02	1.87E-03	7.46E-01	36
361.991	4248.954	1.01E-03	7.24E-03	8.57E-04	1.45E-01	1.23E-02	6.42E-01	3.35E-03	2.64E-02	1.98E-02	3.24E-04	2.63E-02	2.39E-03	8.87E-01	37
361.004	4242.31	1.31E-04	1.29E-03	1.47E-04	1.47E-02	4.12E-04	5.29E-02	2.68E-04	2.86E-02	4.57E-03	5.29E-05	1.51E-03	2.10E-04	1.05E-01	38
361.042	4244.529	2.15E-04	2.52E-03	2.50E-04	3.48E-02	9.47E-04	1.19E-01	6.45E-04	2.35E-01	1.07E-02	9.34E-05	3.40E-03	4.86E-04	4.08E-01	39
351.191	4248.367	2.75E-05	3.45E-04	4.55E-05	4.67E-03	1.53E-04	1.62E-02	7.99E-05	1.32E-03	1.07E-03	1.60E-05	4.43E-04	6.37E-05	2.45E-02	40

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
360.302	4247.704	7.04E-04	9.49E-02	4.01E-03	9.78E+01	2.72E-02	7.36E+00	7.11E-02	1.99E+00	2.21E-03	8.17E+00	1.26E+00	1.17E+02	
360.239	4248.398	1.79E-03	2.24E+00	6.28E-02	2.98E+00	1.97E-01	5.31E+01	5.42E-02	2.40E-01	4.53E-02	7.61E-01	5.79E-02	5.97E+01	
360.623	4247.86	1.04E-03	1.35E-01	6.02E-03	1.94E+01	3.24E-02	3.15E+01	6.93E-01	9.28E-01	3.16E-03	3.17E-01	7.53E-02	5.31E+01	
360.6	4247.8	7.82E-04	1.28E-01	5.84E-03	1.93E+01	2.68E-02	2.48E+01	3.54E-01	8.47E-01	3.06E-03	3.70E-01	7.40E-02	4.59E+01	
360.578	4247.772	7.64E-04	1.27E-01	5.72E-03	1.98E+01	2.56E-02	2.21E+01	2.37E-01	8.37E-01	3.02E-03	4.50E-01	8.00E-02	4.37E+01	
360.4	4248.912	2.85E-03	1.65E-01	8.99E-03	2.82E+00	2.00E+00	3.26E+01	3.08E-02	7.09E-01	4.24E-03	1.75E+00	1.07E-01	4.02E+01	
360.341	4248.904	2.75E-03	1.88E-01	9.50E-03	2.48E+00	1.40E+00	3.11E+01	2.82E-02	4.90E-01	4.59E-03	1.38E+00	8.65E-02	3.72E+01	
360.301	4247.402	1.47E-03	4.66E-02	2.20E-03	2.06E+00	1.54E-02	2.29E+01	1.40E-02	1.12E+01	1.13E-03	1.80E-01	4.57E-01	3.69E+01	
360.263	4247.743	6.48E-04	1.30E-01	5.05E-03	2.07E+01	2.87E-02	7.09E+00	7.94E-02	9.90E-01	2.93E-03	1.59E+00	2.46E-01	3.08E+01	
360.4	4249	2.80E-03	1.45E-01	8.90E-03	2.19E+00	1.70E+00	2.50E+01	2.67E-02	4.93E-01	3.96E-03	1.18E+00	7.50E-02	3.08E+01	
360.196	4248.694	2.67E-03	4.54E-01	1.64E-02	2.16E+00	4.46E-01	2.62E+01	2.84E-02	2.43E-01	9.68E-03	8.02E-01	5.96E-02	3.04E+01	
360.5	4249	3.37E-03	1.20E-01	7.90E-03	2.70E+00	2.91E+00	2.15E+01	2.88E-02	5.76E-01	3.47E-03	1.53E+00	1.02E-01	2.95E+01	
360.23	4248.121	8.73E-04	1.79E+00	5.03E-02	4.37E+00	7.52E-02	2.23E+01	7.02E-02	3.12E-01	3.61E-02	4.23E-01	4.71E-02	2.94E+01	
360.668	4247.947	2.16E-03	1.40E-01	6.34E-03	8.81E+00	4.31E-02	1.80E+01	7.54E-01	4.80E-01	3.31E-03	2.65E-01	4.86E-02	2.86E+01	
360.2	4248.1	8.82E-04	1.30E+00	3.72E-02	3.89E+00	6.84E-02	2.19E+01	6.06E-02	3.10E-01	2.64E-02	3.88E-01	4.33E-02	2.80E+01	
360.289	4248.002	7.32E-04	5.42E-01	1.67E-02	8.92E+00	5.62E-02	1.59E+01	1.16E-01	4.51E-01	1.12E-02	6.04E-01	7.85E-02	2.67E+01	
360.705	4247.78	8.19E-04	1.02E-01	5.75E-03	9.46E+00	3.27E-02	1.58E+01	2.65E-01	5.39E-01	2.75E-03	2.28E-01	4.58E-02	2.65E+01	
360.6	4247.7	8.55E-04	1.04E-01	5.19E-03	1.18E+01	2.18E-02	1.27E+01	1.26E-01	6.38E-01	2.63E-03	3.62E-01	6.76E-02	2.58E+01	
360.302	4247.5	1.46E-03	5.64E-02	2.69E-03	3.36E+00	1.82E-02	7.47E+00	2.10E-02	1.38E+01	1.39E-03	2.30E-01	1.50E-01	2.51E+01	
360.7	4247.9	2.21E-03	1.20E-01	5.88E-03	7.78E+00	3.53E-02	1.52E+01	4.39E-01	4.41E-01	2.96E-03	2.29E-01	4.18E-02	2.43E+01	
360.169	4248.084	9.37E-04	8.94E-01	2.63E-02	3.39E+00	6.33E-02	1.89E+01	5.27E-02	3.10E-01	1.82E-02	3.52E-01	4.01E-02	2.41E+01	
360.188	4248.787	2.78E-03	3.14E-01	1.24E-02	1.87E+00	4.96E-01	2.03E+01	2.44E-02	2.46E-01	6.89E-03	7.45E-01	5.42E-02	2.41E+01	
360.3	4249	2.64E-03	1.68E-01	9.18E-03	1.76E+00	9.56E-01	1.99E+01	2.29E-02	3.31E-01	4.22E-03	8.23E-01	5.49E-02	2.40E+01	
360.198	4248.033	8.84E-04	6.79E-01	2.06E-02	4.36E+00	5.59E-02	1.71E+01	6.39E-02	3.53E-01	1.39E-02	3.83E-01	4.68E-02	2.31E+01	
360.253	4248.902	2.76E-03	2.13E-01	9.89E-03	1.89E+00	7.84E-01	1.85E+01	2.38E-02	3.10E-01	4.95E-03	8.70E-01	6.03E-02	2.27E+01	
360.117	4248.126	9.28E-04	9.66E-01	2.79E-02	2.54E+00	6.82E-02	1.82E+01	4.04E-02	2.72E-01	1.97E-02	3.21E-01	3.40E-02	2.25E+01	
360.245	4247.842	6.75E-04	2.13E-01	7.72E-03	1.07E+01	3.55E-02	9.24E+00	8.16E-02	6.77E-01	4.68E-03	8.70E-01	1.17E-01	2.19E+01	
360.6	4249	4.18E-03	9.41E-02	6.71E-03	2.81E+00	3.05E+00	1.38E+01	2.85E-02	5.45E-01	2.89E-03	1.50E+00	1.04E-01	2.19E+01	
360.656	4247.671	1.22E-03	9.61E-02	5.34E-03	9.11E+00	2.91E-02	1.15E+01	1.17E-01	5.64E-01	2.59E-03	2.77E-01	5.42E-02	2.18E+01	
360.7	4248	2.59E-03	1.27E-01	6.12E-03	5.90E+00	4.80E-02	1.44E+01	3.56E-01	3.54E-01	3.11E-03	2.57E-01	3.90E-02	2.15E+01	
360.212	4247.985	8.27E-04	4.45E-01	1.42E-02	5.34E+00	4.95E-02	1.46E+01	7.11E-02	4.09E-01	9.25E-03	4.28E-01	5.46E-02	2.14E+01	
360.052	4248.165	8.38E-04	9.88E-01	2.82E-02	1.91E+00	7.06E-02	1.72E+01	3.09E-02	2.35E-01	2.01E-02	2.87E-01	2.85E-02	2.08E+01	
360.186	4248.85	2.79E-03	2.58E-01	1.09E-02	1.71E+00	5.16E-01	1.72E+01	2.25E-02	2.44E-01	5.78E-03	7.02E-01	5.07E-02	2.07E+01	
360.1	4248.2	8.68E-04	1.63E+00	4.51E-02	2.21E+00	8.27E-02	1.59E+01	3.62E-02	2.34E-01	3.28E-02	3.23E-01	3.15E-02	2.05E+01	
360.226	4247.933	7.52E-04	3.19E-01	1.06E-02	6.65E+00	4.38E-02	1.22E+01	7.49E-02	4.92E-01	6.73E-03	5.05E-01	6.69E-02	2.03E+01	
360.527	4247.67	9.92E-04	9.82E-02	4.60E-03	1.08E+01	2.22E-02	7.80E+00	7.60E-02	7.54E-01	2.39E-03	5.55E-01	9.88E-02	2.02E+01	
360.5	4249.1	3.18E-03	1.05E-01	7.44E-03	1.93E+00	1.72E+00	1.46E+01	2.41E-02	3.78E-01	3.16E-03	9.74E-01	6.64E-02	1.98E+01	
360.2	4248.9	2.78E-03	2.26E-01	1.01E-02	1.65E+00	5.65E-01	1.58E+01	2.17E-02	2.53E-01	5.16E-03	6.99E-01	4.98E-02	1.93E+01	
360.713	4248.035	2.68E-03	1.17E-01	5.91E-03	4.95E+00	5.20E-02	1.32E+01	2.64E-01	3.13E-01	2.94E-03	2.68E-01	3.69E-02	1.92E+01	
360.03	4248.262	9.19E-04	5.76E-01	1.71E-02	1.68E+00	8.71E-02	1.62E+01	2.76E-02	1.99E-01	1.18E-02	2.99E-01	2.74E-02	1.91E+01	
360.4	4249.1	2.59E-03	1.17E-01	7.65E-03	1.67E+00	1.15E+00	1.42E+01	2.27E-02	3.34E-01	3.29E-03	8.03E-01	5.35E-02	1.84E+01	
360.6	4249.1	4.03E-03	9.16E-02	7.05E-03	1.96E+00	1.75E+00	1.30E+01	2.38E-02	3.67E-01	2.97E-03	9.55E-01	6.72E-02	1.82E+01	
360.261	4247.658	8.04E-04	1.02E-01	4.12E-03	9.49E+00	2.40E-02	6.52E+00	5.20E-02	1.22E+00	2.34E-03	6.60E-01	1.17E-01	1.82E+01	
360.578	4247.646	1.29E-03	9.14E-02	4.59E-03	8.64E+00	1.96E-02	7.91E+00	7.77E-02	6.29E-01	2.31E-03	3.71E-01	8.27E-02	1.78E+01	
360.187	4248.927	2.77E-03	2.15E-01	9.87E-03	1.53E+00	5.19E-01	1.45E+01	2.05E-02	2.37E-01	4.95E-03	6.36E-01	4.55E-02	1.77E+01	
360.8	4247.8	2.73E-03	9.14E-02	5.68E-03	5.49E+00	4.34E-02	1.05E+01	2.20E-01	3.54E-01	2.62E-03	2.45E-01	3.66E-02	1.70E+01	
360.2	4249	2.69E-03	1.82E-01	9.08E-03	1.41E+00	5.33E-01	1.35E+01	1.92E-02	2.31E-01	4.32E-03	5.84E-01	4.13E-02	1.66E+01	
360.8	4247.9	4.56E-03	9.97E-02	5.66E-03	4.50E+00	5.54E-02	1.03E+01	1.93E-01	2.97E-01	2.69E-03	2.42E-01	3.35E-02	1.57E+01	
360.7	4249	4.88E-03	7.33E-02	5.78E-03	2.37E+00	1.81E+00	9.56E+00	2.72E-02	4.65E-01	2.41E-03	1.18E+00	8.27E-02	1.56E+01	
360.305	4247.6	1.05E-03	7.17E-02	3.26E-03	5.88E+00	2.20E-02	6.49E+00	3.62E-02	2.58E+00	1.73E-03	3.85E-01	9.74E-02	1.56E+01	
360.403	4249.137	2.52E-03	1.08E-01	7.20E-03	1.41E+00	9.72E-01	1.20E+01	2.11E-02	2.76E-01	3.08E-03	6.10E-01	4.06E-02	1.55E+01	
360.254	4247.334	1.33E-03	5.39E-02	2.25E-03	1.11E+00	1.35E-02	1.14E+01	1.09E-02	2.24E+00	1.24E-03	1.19E-01	2.08E-01	1.52E+01	
360.498	4249.157	2.97E-03	9.33E-02	6.80E-03	1.58E+00	1.22E+00	1.12E+01	2.18E-02	2.91E-01	2.85E-03	7.40E-01	5.15E-02	1.52E+01	
360.3	4249.1	2.40E-03	1.30E-01	7.66E-03	1.40E+00	7.09E-01	1.18E+01	1.98E-02	2.51E-01	3.39E-03	6.09E-01	4.20E-02	1.50E+01	
360.334	4249.128	2.38E-03	1.19E-01	7.35E-03	1.31E+00	7.44E-01	1.14E+01	1.98E-02	2.44E-01	3.20E-03	5.42E-01	3.67E-02	1.44E+01	
360.728	4248.992	5.03E-03	6.94E-02	5.60E-03	2.25E+00	1.59E+00	8.87E+00	2.71E-02	4.22E-01	2.32E-03	1.10E+00	7.74E-02	1.44E+01	
360.7	4249.1	4.85E-03	7.51E-02	6.44E-03	1.75E+00	1.20E+00	1.01E+01	2.30E-02	3.19E-01	2.66E-03	8.02E-01	5.75E-02	1.44E+01	
360.775	4248.017	3.43E-03	9.58E-02	5.36E-03	3.60E+00	4.99E-02	9.89E+00	1.70E-01	2.55E-01	2.56E-03	2.39E-01	3.10E-02	1.43E+01	
360.256	4247.423	1.58E-03	6.42E-02	2.73E-03	1.81E+00	1.55E-02	7.41E+00	1.48E-02	4.55E+00	1.50E-03	1.47E-01	1.27E-01	1.42E+01	
360.6	4247.6	1.89E-03	8.08E-02	4.29E-03	6.40E+00	1.81E-02	6.30E+00	6.10E-02	5.95E-01	2.11E-03	2.93E-01	7.81E-02	1.38E+01	
360.171	4249.034	2.63E-03	1.66E-01	8.40E-03	1.25E+00	4.41E-01	1.08E+01	1.76E-02	2.00E-01	3.96E-03	4.97E-01	3.59E-02	1.35E+01	
359.934	4248.308	9.12E-04	2.68E-01	9.10E-03	1.30E+00	8.05E-02	1.10E+01	2.09E-02	1.80E-01	5.68E-03	2.50E-01	2.32E-02	1.32E+01	
360.794	4248.896	5.21E-03	6.66E-02	5.38E-03	2.16E+00	1.27E+00	8.11E+00	2.95E-02	3.69E-01	2.24E-03	1.00E+00	6.89E-02	1.31E+01	
360.8	4248	4.04E-03	9.04E-02	5.21E-03	3.25E+00	4.80E-02	8.95E+00	1.49E-01	2.40E-01	2.45E-03	2.25E-01	2.86E-02	1.30E+01	
360.9	4247.9	8.91E-03	8.01E-02	5.19E-03	3.47E+00	5.75E-02	8.68E+00	1.24E-01	2.55E-01	2.34E-03	2.56E-01	3.12E-02	1.30E+01	
359.992	4248.193	7.70E-04	4.62E-01	1.39E-02	1.55E+00	6.98E-02	1.03E+01	2.55E-02	2.15E-01	9.52E-03	2.45E-01	2.48E-02	1.29E+01	
360.049	4248.941	2.58E-03	1.79E-01	8.40E-03	1.11E+00	2.66E-01	1.06E+01	1.67E-02	1.58E-01	4.13E-03	3.93E-01	3.00E-02	1.27E+01	
360.269	4249.127	2.35E-03	1.25E-01	7.32E-03	1.22E+00	5.60E-01	9.97E+00	1.81E-02	2.11E-01	3.24E-03	4.88E-01	3.42E-02	1.26E+01	
360.9	4248	7.93E-03	7.40E-02	5.04E-03	3.01E+00	7.48E-02	8.56E+00	1.22E-01	2.33E-01	2.24E-03	3.16E-01	3.57E-02	1.24E+01	
360.8	4248.102	3.76E-03	7.89E-02	5.03E-03	2.80E+00	6.36E-02	8.74E+00	1.14E-01	2.20E-01	2.28E-03	2.93E-01	3.52E-02	1.24E+01	
360.592	4249.185	3.55E-03	7.96E-02	6.34E-03	1.51E+00	1.05E+00	8.69E+00	2.06E-02	2.58E-01	2.63E-03	6.85E-01	4.95E-02	1.24E+01	
360.9	4247.8	7.00E-03	7.74E-02	5.18E-03	3.48E+00	4.47E-02	7.98E+00	1.22E-01	2.68E-01	2.32E-03	2.15E-01	2.84E-02	1.22E+01	
360.1	4249	2.65E-03	1.71E-01	8.30E-03	1.14E+00	3.26E-01	9.89E+00	1.66E-02	1.71E-01	4.00E-03	4.26E-01	3.18E-02	1.22E+01	
360.843	4248.678	5.17E-03	7.40E-02	5.54E-03	2.11E+00	7.11E-01	7.95E+00	3.77E-02	2.62E-01	2.39E-03	9.01E-01	6.02E-02	1.21E+01	
360.838	4248.485	4.70E-03	7.70E-02	5.46E-03	2.13E+00	3.38E-01	8.35E+00	4.82E-02	2.20E-01	2.38E-03	7.84E-01	5.67E-02	1.20E+01	
359.839	4248.354	8.90E-04	1.50E-01	5.69E-03	1.02E+00	7.24E-02	1.02E+01	1.62E-02	1.68E-01	3.33E-03	2.10E-01	1.93E-02	1.19E+01	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
360.607	4247.562	2.11E-03	7.42E-02	4.08E-03	5.28E+00	1.94E-02	5.37E+00	5.20E-02	6.21E-01	1.97E-03	2.63E-01	9.05E-02	1.18E+01	
360.827	4248.784	5.18E-03	7.02E-02	5.45E-03	1.99E+00	9.75E-01	7.44E+00	3.16E-02	2.93E-01	2.31E-03	8.31E-01	5.52E-02	1.17E+01	
360.546	4247.561	1.88E-03	7.07E-02	3.68E-03	5.42E+00	1.66E-02	4.97E+00	4.48E-02	8.04E-01	1.81E-03	2.82E-01	5.45E-02	1.17E+01	
360.2	4249.1	2.45E-03	1.38E-01	7.48E-03	1.18E+00	4.49E-01	9.06E+00	1.70E-02	1.91E-01	3.41E-03	4.65E-01	3.36E-02	1.15E+01	
360.9	4247.7	4.28E-03	7.07E-02	5.24E-03	3.49E+00	3.53E-02	7.31E+00	1.02E-01	2.88E-01	2.27E-03	1.82E-01	2.62E-02	1.15E+01	
360.825	4248.188	4.03E-03	7.64E-02	5.09E-03	2.31E+00	8.13E-02	8.17E+00	8.22E-02	2.01E-01	2.28E-03	3.64E-01	4.57E-02	1.13E+01	
360.9	4248.1	6.22E-03	6.55E-02	4.79E-03	2.46E+00	9.75E-02	7.83E+00	9.75E-02	2.05E-01	2.07E-03	3.79E-01	4.16E-02	1.12E+01	
360.233	4249.168	2.31E-03	1.19E-01	6.99E-03	1.11E+00	4.29E-01	8.57E+00	1.63E-02	1.78E-01	3.08E-03	4.31E-01	3.15E-02	1.09E+01	
360.426	4247.312	8.76E-04	3.15E-02	1.78E-03	1.17E+00	1.08E-02	7.44E+00	1.11E-02	1.92E+00	8.25E-04	9.97E-02	1.31E-01	1.08E+01	
360.826	4248.376	3.91E-03	7.79E-02	5.35E-03	1.99E+00	1.41E-01	7.67E+00	5.66E-02	1.92E-01	2.36E-03	5.52E-01	4.65E-02	1.07E+01	
360.858	4248.572	4.83E-03	7.28E-02	5.28E-03	1.75E+00	3.46E-01	7.21E+00	3.84E-02	1.93E-01	2.30E-03	6.06E-01	4.39E-02	1.03E+01	
359.9	4248.3	8.39E-04	1.94E-01	6.96E-03	1.20E+00	7.39E-02	8.34E+00	1.94E-02	1.85E-01	4.18E-03	2.25E-01	2.16E-02	1.03E+01	
360.9	4247.6	1.89E-02	6.56E-02	5.18E-03	3.16E+00	2.82E-02	6.38E+00	7.70E-02	2.98E-01	2.21E-03	1.57E-01	2.43E-02	1.02E+01	
360.85	4248.273	4.09E-03	7.74E-02	5.19E-03	1.94E+00	1.01E-01	7.31E+00	6.25E-02	1.85E-01	2.32E-03	4.13E-01	4.49E-02	1.01E+01	
359.912	4248.213	7.35E-04	2.07E-01	7.10E-03	1.26E+00	6.40E-02	7.91E+00	2.10E-02	2.14E-01	4.40E-03	2.11E-01	2.17E-02	9.93E+00	
360.8	4249	5.09E-03	5.89E-02	5.06E-03	1.51E+00	1.02E+00	6.28E+00	2.39E-02	2.81E-01	2.07E-03	5.89E-01	4.01E-02	9.82E+00	
361	4248.8	6.18E-03	6.11E-02	5.08E-03	1.43E+00	3.79E-01	7.10E+00	2.47E-02	1.83E-01	2.14E-03	5.81E-01	4.36E-02	9.81E+00	
361	4248.2	5.26E-03	6.08E-02	4.58E-03	1.93E+00	1.15E-01	6.99E+00	5.96E-02	1.80E-01	1.96E-03	3.96E-01	3.78E-02	9.78E+00	
360.171	4249.149	2.38E-03	1.26E-01	6.95E-03	1.03E+00	3.60E-01	7.65E+00	1.53E-02	1.62E-01	3.13E-03	3.89E-01	2.89E-02	9.77E+00	
361	4248.1	5.78E-03	5.90E-02	4.56E-03	2.05E+00	9.04E-02	6.92E+00	6.71E-02	1.84E-01	1.94E-03	3.28E-01	3.33E-02	9.75E+00	
361	4248	6.31E-03	6.35E-02	4.70E-03	2.19E+00	7.10E-02	6.83E+00	7.64E-02	1.92E-01	2.03E-03	2.74E-01	2.87E-02	9.74E+00	
359.797	4248.242	7.51E-04	1.37E-01	5.30E-03	1.02E+00	5.45E-02	8.08E+00	1.63E-02	2.05E-01	3.03E-03	1.78E-01	1.83E-02	9.72E+00	
361	4247.9	5.78E-03	6.44E-02	4.58E-03	2.38E+00	5.61E-02	6.53E+00	7.45E-02	2.02E-01	2.00E-03	2.28E-01	2.54E-02	9.58E+00	
360.198	4249.204	2.27E-03	1.13E-01	6.63E-03	9.89E-01	3.47E-01	7.34E+00	1.48E-02	1.54E-01	2.92E-03	3.69E-01	2.75E-02	9.37E+00	
360.578	4247.5	1.69E-03	6.18E-02	3.45E-03	3.90E+00	1.61E-02	4.26E+00	3.65E-02	7.94E-01	1.65E-03	2.11E-01	7.26E-02	9.36E+00	
361	4248.9	6.27E-03	5.94E-02	5.21E-03	1.28E+00	3.87E-01	6.74E+00	2.18E-02	1.76E-01	2.16E-03	5.09E-01	3.83E-02	9.22E+00	
361	4247.8	8.28E-03	6.62E-02	4.75E-03	2.33E+00	4.47E-02	6.23E+00	7.57E-02	2.08E-01	2.07E-03	1.94E-01	2.30E-02	9.18E+00	
360.678	4249.21	4.02E-03	6.60E-02	5.65E-03	1.22E+00	7.42E-01	6.34E+00	1.91E-02	2.10E-01	2.32E-03	4.92E-01	3.57E-02	9.14E+00	
360	4249	2.41E-03	1.32E-01	6.73E-03	9.44E-01	2.21E-01	7.31E+00	1.48E-02	1.36E-01	3.16E-03	3.21E-01	2.50E-02	9.11E+00	
360.481	4247.39	1.12E-03	4.00E-02	2.30E-03	1.91E+00	1.23E-02	4.84E+00	1.67E-02	2.04E+00	1.07E-03	1.23E-01	7.62E-02	9.06E+00	
361	4248.7	5.80E-03	5.63E-02	4.72E-03	1.52E+00	3.42E-01	6.25E+00	2.81E-02	1.82E-01	1.98E-03	6.06E-01	4.56E-02	9.04E+00	
360.1	4249.1	2.46E-03	1.33E-01	6.89E-03	9.54E-01	3.01E-01	7.10E+00	1.47E-02	1.50E-01	3.20E-03	3.45E-01	2.59E-02	9.03E+00	
360.513	4247.475	1.58E-03	5.32E-02	2.92E-03	3.21E+00	1.42E-02	4.16E+00	2.70E-02	1.32E+00	1.40E-03	1.85E-01	6.52E-02	9.03E+00	
360.9	4248.2	4.94E-03	6.66E-02	4.77E-03	1.80E+00	9.57E-02	6.47E+00	6.13E-02	1.73E-01	2.08E-03	3.15E-01	3.27E-02	9.03E+00	
360.875	4248.359	4.18E-03	7.07E-02	5.02E-03	1.68E+00	1.22E-01	6.45E+00	4.82E-02	1.70E-01	2.18E-03	4.16E-01	3.59E-02	9.00E+00	
361	4248.6	5.35E-03	5.58E-02	4.58E-03	1.54E+00	2.88E-01	6.23E+00	3.20E-02	1.75E-01	1.92E-03	5.82E-01	4.37E-02	8.96E+00	
361	4247.7	1.34E-02	6.31E-02	4.90E-03	2.33E+00	3.59E-02	5.87E+00	6.99E-02	2.15E-01	2.08E-03	1.63E-01	2.09E-02	8.79E+00	
361.1	4248.6	6.66E-03	5.89E-02	4.91E-03	1.29E+00	2.07E-01	6.52E+00	2.72E-02	1.51E-01	2.07E-03	4.32E-01	3.36E-02	8.74E+00	
359.868	4248.894	1.92E-03	1.12E-01	5.70E-03	8.44E-01	1.43E-01	7.22E+00	1.45E-02	1.15E-01	2.70E-03	2.41E-01	1.99E-02	8.72E+00	
360.9	4248.5	4.78E-03	6.54E-02	4.88E-03	1.49E+00	1.85E-01	6.27E+00	3.56E-02	1.61E-01	2.09E-03	4.30E-01	3.36E-02	8.68E+00	
359.754	4248.513	1.05E-03	1.06E-01	4.39E-03	7.95E-01	7.75E-02	7.35E+00	1.27E-02	1.28E-01	2.44E-03	1.81E-01	1.60E-02	8.67E+00	
361.1	4248.1	4.40E-03	5.73E-02	4.44E-03	1.66E+00	8.19E-02	6.32E+00	4.97E-02	1.64E-01	1.89E-03	2.76E-01	2.66E-02	8.64E+00	
359.749	4248.592	1.17E-03	1.22E-01	4.92E-03	7.81E-01	8.38E-02	7.31E+00	1.27E-02	1.16E-01	2.78E-03	1.83E-01	1.59E-02	8.64E+00	
361	4248.5	5.12E-03	5.72E-02	4.54E-03	1.47E+00	2.27E-01	6.14E+00	3.53E-02	1.67E-01	1.91E-03	4.89E-01	3.70E-02	8.63E+00	
361.1	4248.5	5.30E-03	5.65E-02	4.50E-03	1.37E+00	1.78E-01	6.32E+00	3.27E-02	1.54E-01	1.91E-03	4.22E-01	3.35E-02	8.58E+00	
359.958	4248.92	2.17E-03	1.26E-01	6.28E-03	9.35E-01	1.91E-01	6.80E+00	1.56E-02	1.31E-01	3.00E-03	2.99E-01	2.38E-02	8.53E+00	
359.751	4248.443	9.57E-04	1.02E-01	4.28E-03	8.16E-01	6.97E-02	7.16E+00	1.27E-02	1.44E-01	2.37E-03	1.77E-01	1.61E-02	8.51E+00	
359.743	4248.646	1.24E-03	1.23E-01	5.00E-03	7.71E-01	8.71E-02	7.19E+00	1.26E-02	1.11E-01	2.81E-03	1.82E-01	1.58E-02	8.50E+00	
360.115	4249.143	2.39E-03	1.24E-01	6.64E-03	9.04E-01	2.99E-01	6.66E+00	1.41E-02	1.44E-01	3.04E-03	3.17E-01	2.38E-02	8.50E+00	
360.2	4249.26	2.17E-03	1.03E-01	6.25E-03	9.09E-01	3.07E-01	6.64E+00	1.38E-02	1.40E-01	2.71E-03	3.30E-01	2.49E-02	8.48E+00	
360.9	4247.5	1.08E-02	6.02E-02	4.82E-03	2.64E+00	2.29E-02	5.16E+00	5.36E-02	3.03E-01	2.05E-03	1.35E-01	2.25E-02	8.42E+00	
360.9	4248.3	4.35E-03	6.90E-02	4.68E-03	1.59E+00	1.00E-01	6.04E+00	4.96E-02	1.62E-01	2.13E-03	3.46E-01	3.21E-02	8.41E+00	
361.1	4248.7	7.59E-03	5.71E-02	5.08E-03	1.22E+00	2.30E-01	6.15E+00	2.38E-02	1.50E-01	2.11E-03	4.29E-01	3.32E-02	8.31E+00	
361.1	4248	4.43E-03	5.70E-02	4.48E-03	1.74E+00	6.69E-02	5.93E+00	5.45E-02	1.68E-01	1.90E-03	2.37E-01	2.40E-02	8.30E+00	
360.9	4248.4	4.43E-03	6.55E-02	4.82E-03	1.51E+00	1.26E-01	5.94E+00	4.07E-02	1.59E-01	2.06E-03	3.83E-01	3.21E-02	8.27E+00	
360.9	4249.2	5.59E-03	5.14E-02	4.89E-03	1.04E+00	4.16E-01	6.08E+00	1.79E-02	1.55E-01	1.97E-03	3.98E-01	2.99E-02	8.20E+00	
360.632	4249.294	3.46E-03	6.79E-02	5.60E-03	1.02E+00	5.59E-01	5.95E+00	1.68E-02	1.65E-01	2.31E-03	3.82E-01	2.82E-02	8.20E+00	
361	4248.3	4.63E-03	6.13E-02	4.55E-03	1.54E+00	1.40E-01	5.81E+00	4.78E-02	1.64E-01	1.95E-03	3.91E-01	3.48E-02	8.19E+00	
360.9	4248.6	4.87E-03	6.52E-02	4.92E-03	1.38E+00	2.29E-01	5.87E+00	3.18E-02	1.57E-01	2.11E-03	4.10E-01	3.11E-02	8.18E+00	
361.1	4248.3	3.92E-03	5.62E-02	4.25E-03	1.52E+00	1.21E-01	5.84E+00	4.25E-02	1.57E-01	1.81E-03	3.58E-01	3.16E-02	8.14E+00	
361.1	4248.2	3.65E-03	5.39E-02	4.09E-03	1.59E+00	9.94E-02	5.76E+00	4.47E-02	1.59E-01	1.74E-03	3.16E-01	2.90E-02	8.06E+00	
361	4247.6	3.68E-02	5.90E-02	5.35E-03	2.25E+00	2.92E-02	5.22E+00	5.99E-02	2.23E-01	2.19E-03	1.39E-01	1.93E-02	8.05E+00	
361.1	4247.9	4.20E-03	5.72E-02	4.31E-03	1.84E+00	5.42E-02	5.63E+00	5.16E-02	1.72E-01	1.85E-03	2.06E-01	2.18E-02	8.04E+00	
359.806	4248.302	7.77E-04	1.22E-01	4.81E-03	9.73E-01	6.15E-02	6.45E+00	1.57E-02	1.89E-01	2.73E-03	1.81E-01	1.80E-02	8.02E+00	
361.1	4248.8	7.88E-03	5.58E-02	5.18E-03	1.15E+00	2.50E-01	5.89E+00	2.13E-02	1.48E-01	2.13E-03	4.23E-01	3.25E-02	7.98E+00	
359.728	4248.146	6.16E-04	1.25E-01	4.69E-03	1.14E+00	4.16E-02	6.25E+00	1.57E-02	1.85E-01	2.72E-03	1.57E-01	1.80E-02	7.94E+00	
359.8	4248.9	1.74E-03	1.04E-01	5.21E-03	7.62E-01	1.18E-01	6.55E+00	1.31E-02	1.04E-01	2.49E-03	2.03E-01	1.69E-02	7.87E+00	
361.1	4248.4	4.33E-03	5.30E-02	4.18E-03	1.41E+00	1.48E-01	5.61E+00	3.89E-02	1.53E-01	1.76E-03	3.91E-01	3.27E-02	7.85E+00	
361	4248.4	4.77E-03	5.84E-02	4.49E-03	1.41E+00	1.77E-01	5.52E+00	3.86E-02	1.61E-01	1.89E-03	4.06E-01	3.33E-02	7.82E+00	
359.755	4248.318	7.77E-04	1.05E-01	4.24E-03	8.73E-01	5.73E-02	6.40E+00	1.39E-02	1.79E-01	2.38E-03	1.65E-01	1.65E-02	7.81E+00	
360.9	4249.1	5.37E-03	4.97E-02	4.68E-03	1.19E+00	5.04E-01	5.29E+00	2.00E-02	1.84E-01	1.88E-03	4.81E-01	3.58E-02	7.77E+00	
360.9	4248.7	5.03E-03	6.33E-02	4.92E-03	1.30E+00	2.77E-01	5.47E+00	2.79E-02	1.58E-01	2.10E-03	4.09E-01	3.11E-02	7.75E+00	
360.199	4249.312	2.10E-03	9.47E-02	5.91E-03	8.36E-01	2.73E-01	6.07E+00	1.28E-02	1.28E-01	2.53E-03	2.95E-01	2.25E-02	7.74E+00	
360.549	4247.407	1.08E-03	4.69E-02	2.75E-03	2.37E+00	1.39E-02	3.80E+00	2.19E-02	1.18E+00	1.28E-03	1.39E-01	5.25E-02	7.63E+00	
361.2	4248.5	5.24E-03	5.51E-02	4.56E-03	1.19E+00	1.40E-01	5.70E+00	2.96E-02	1.38E-01	1.92E-03	3.27E-01	2.65E-02	7.62E+00	
360.5	4247.3	7.38E-04	3.37E-02	2.03E-03	1.28E+00	1.10E-02	4.60E+00	1.30E-02	1.43E+00	9.22E-04	9.16E-02	7.19E-02	7.54E+00	
361	4249	5.67E-03	5.07E-02	4.61E-03	1.13E+00	3.68E-01	5.33E+00	1.96E-02	1.62E-01	1.88E-03	4.39E-01	3.34E-02	7.54E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
360	4249.1	2.34E-03	1.12E-01	5.98E-03	8.32E-01	2.15E-01	5.91E+00	1.31E-02	1.25E-01	2.74E-03	2.86E-01	2.23E-02	7.53E+00	
359.7	4248.7	1.24E-03	1.11E-01	4.64E-03	7.20E-01	8.18E-02	6.31E+00	1.17E-02	1.05E-01	2.55E-03	1.66E-01	1.44E-02	7.52E+00	
360.06	4249.18	2.32E-03	1.11E-01	6.06E-03	8.28E-01	2.39E-01	5.87E+00	1.27E-02	1.27E-01	2.74E-03	2.90E-01	2.24E-02	7.51E+00	
361.1	4248.9	7.45E-03	5.38E-02	5.05E-03	1.05E+00	2.57E-01	5.55E+00	1.89E-02	1.42E-01	2.06E-03	3.86E-01	2.97E-02	7.50E+00	
360.585	4249.378	2.97E-03	6.75E-02	5.44E-03	8.73E-01	4.06E-01	5.66E+00	1.50E-02	1.33E-01	2.24E-03	3.05E-01	2.30E-02	7.49E+00	
359.7	4248.6	1.10E-03	1.05E-01	4.36E-03	7.18E-01	7.53E-02	6.27E+00	1.15E-02	1.15E-01	2.42E-03	1.65E-01	1.46E-02	7.48E+00	
359.7	4248.2	6.88E-04	1.17E-01	4.57E-03	9.77E-01	4.28E-02	5.97E+00	1.42E-02	1.77E-01	2.59E-03	1.49E-01	1.67E-02	7.47E+00	
360.9	4248.9	5.06E-03	5.54E-02	4.74E-03	1.20E+00	4.86E-01	5.07E+00	2.26E-02	1.84E-01	1.96E-03	4.07E-01	2.94E-02	7.46E+00	
360.41	4247.229	6.69E-04	2.75E-02	1.59E-03	9.06E-01	1.07E-02	4.99E+00	9.14E-03	1.32E+00	7.30E-04	9.81E-02	7.81E-02	7.44E+00	
360.088	4249.225	2.25E-03	1.07E-01	6.01E-03	8.15E-01	2.41E-01	5.82E+00	1.24E-02	1.25E-01	2.68E-03	2.84E-01	2.19E-02	7.44E+00	
360.9	4248.8	5.03E-03	5.98E-02	4.82E-03	1.19E+00	3.01E-01	5.22E+00	2.45E-02	1.57E-01	2.03E-03	3.77E-01	2.86E-02	7.37E+00	
359.7	4248.5	1.01E-03	9.08E-02	3.99E-03	7.30E-01	6.75E-02	6.13E+00	1.14E-02	1.34E-01	2.14E-03	1.61E-01	1.47E-02	7.34E+00	
361.2	4248.6	6.94E-03	5.22E-02	4.73E-03	1.12E+00	1.56E-01	5.46E+00	2.53E-02	1.34E-01	1.95E-03	3.35E-01	2.68E-02	7.31E+00	
359.7	4248.8	1.39E-03	1.04E-01	4.74E-03	7.09E-01	8.67E-02	6.07E+00	1.16E-02	9.84E-02	2.45E-03	1.66E-01	1.42E-02	7.27E+00	
361.1	4247.8	4.66E-03	5.44E-02	4.11E-03	1.75E+00	4.42E-02	4.96E+00	5.27E-02	1.72E-01	1.75E-03	1.77E-01	1.96E-02	7.24E+00	
361.2	4248.1	2.59E-03	5.04E-02	3.88E-03	1.39E+00	7.27E-02	5.23E+00	4.01E-02	1.50E-01	1.65E-03	2.35E-01	2.21E-02	7.20E+00	
360.8	4249.1	4.85E-03	5.44E-02	4.84E-03	1.04E+00	4.61E-01	5.07E+00	1.97E-02	1.62E-01	1.97E-03	3.39E-01	2.50E-02	7.18E+00	
360	4249.2	2.25E-03	1.01E-01	5.62E-03	7.47E-01	1.96E-01	5.72E+00	1.16E-02	1.14E-01	2.52E-03	2.50E-01	1.96E-02	7.17E+00	
360.9	4249	5.15E-03	5.12E-02	4.62E-03	1.14E+00	5.58E-01	4.77E+00	2.08E-02	1.91E-01	1.88E-03	3.99E-01	2.85E-02	7.17E+00	
359.7	4248.4	8.87E-04	9.29E-02	3.97E-03	7.59E-01	5.86E-02	5.91E+00	1.17E-02	1.56E-01	2.17E-03	1.55E-01	1.50E-02	7.16E+00	
361.1	4247.7	7.36E-03	5.58E-02	4.40E-03	1.74E+00	3.62E-02	4.87E+00	5.24E-02	1.74E-01	1.85E-03	1.51E-01	1.78E-02	7.11E+00	
359.9	4249.2	2.06E-03	8.79E-02	5.02E-03	6.54E-01	1.50E-01	5.85E+00	1.05E-02	9.86E-02	2.23E-03	2.06E-01	1.64E-02	7.08E+00	
361.2	4248	3.13E-03	5.04E-02	4.07E-03	1.47E+00	6.14E-02	5.05E+00	4.33E-02	1.52E-01	1.71E-03	2.07E-01	2.05E-02	7.07E+00	
361	4247.5	2.91E-02	5.46E-02	5.29E-03	2.02E+00	2.41E-02	4.51E+00	4.79E-02	2.32E-01	2.13E-03	1.20E-01	1.80E-02	7.07E+00	
361	4249.1	5.62E-03	4.76E-02	4.43E-03	1.00E+00	3.41E-01	5.09E+00	1.78E-02	1.46E-01	1.79E-03	3.82E-01	2.92E-02	7.07E+00	
361.2	4248.4	3.54E-03	4.99E-02	3.96E-03	1.24E+00	1.21E-01	5.12E+00	3.33E-02	1.41E-01	1.67E-03	3.07E-01	2.61E-02	7.06E+00	
359.9	4249	2.07E-03	9.91E-02	5.39E-03	8.02E-01	1.61E-01	5.59E+00	1.35E-02	1.14E-01	2.45E-03	2.46E-01	1.98E-02	7.06E+00	
360	4249.3	2.09E-03	9.07E-02	5.24E-03	6.56E-01	1.72E-01	5.77E+00	1.01E-02	1.02E-01	2.32E-03	2.16E-01	1.69E-02	7.04E+00	
360.9	4249.3	5.20E-03	4.64E-02	4.55E-03	9.07E-01	3.31E-01	5.14E+00	1.60E-02	1.33E-01	1.82E-03	3.31E-01	2.52E-02	6.94E+00	
360.6	4249.4	2.99E-03	6.51E-02	5.27E-03	8.09E-01	3.31E-01	5.27E+00	1.43E-02	1.19E-01	2.17E-03	2.68E-01	2.06E-02	6.91E+00	
361.2	4248.7	6.77E-03	4.97E-02	4.41E-03	1.03E+00	1.68E-01	5.14E+00	2.16E-02	1.31E-01	1.82E-03	3.28E-01	2.62E-02	6.91E+00	
361	4249.2	5.99E-03	4.76E-02	4.73E-03	8.97E-01	3.01E-01	5.13E+00	1.60E-02	1.31E-01	1.88E-03	3.29E-01	2.53E-02	6.89E+00	
360.8	4249.2	4.69E-03	5.20E-02	4.77E-03	9.98E-01	5.14E-01	4.76E+00	1.81E-02	1.64E-01	1.93E-03	3.39E-01	2.48E-02	6.88E+00	
360.195	4249.375	2.00E-03	8.50E-02	5.45E-03	7.51E-01	2.39E-01	5.38E+00	1.17E-02	1.15E-01	2.31E-03	2.57E-01	1.97E-02	6.87E+00	
361.2	4248.3	2.82E-03	4.99E-02	3.80E-03	1.30E+00	1.03E-01	4.91E+00	3.49E-02	1.43E-01	1.62E-03	2.87E-01	2.52E-02	6.86E+00	
361.2	4247.9	2.97E-03	4.97E-02	3.88E-03	1.52E+00	5.17E-02	4.83E+00	4.01E-02	1.52E-01	1.64E-03	1.83E-01	1.89E-02	6.85E+00	
359.675	4248.099	5.40E-04	1.08E-01	4.10E-03	1.08E+00	3.58E-02	5.28E+00	1.52E-02	1.64E-01	2.36E-03	1.38E-01	1.58E-02	6.84E+00	
360.068	4249.275	2.15E-03	9.71E-02	5.62E-03	7.38E-01	2.11E-01	5.39E+00	1.13E-02	1.14E-01	2.48E-03	2.51E-01	1.95E-02	6.84E+00	
361.1	4249	6.10E-03	4.83E-02	4.39E-03	9.36E-01	2.47E-01	5.05E+00	1.71E-02	1.33E-01	1.79E-03	3.37E-01	2.62E-02	6.81E+00	
360.516	4247.275	6.71E-04	3.32E-02	2.05E-03	1.21E+00	1.14E-02	4.10E+00	1.27E-02	1.28E+00	9.23E-04	8.66E-02	6.17E-02	6.80E+00	
360.538	4249.462	2.60E-03	6.57E-02	5.16E-03	7.46E-01	2.85E-01	5.28E+00	1.33E-02	1.09E-01	2.12E-03	2.38E-01	1.84E-02	6.77E+00	
361.1	4247.6	1.34E-02	5.39E-02	4.80E-03	1.76E+00	3.00E-02	4.47E+00	4.87E-02	1.84E-01	1.96E-03	1.30E-01	1.65E-02	6.72E+00	
359.7	4248.3	7.35E-04	8.48E-02	3.58E-03	8.24E-01	5.00E-02	5.39E+00	1.29E-02	1.71E-01	1.96E-03	1.47E-01	1.55E-02	6.70E+00	
359.7	4248.9	1.47E-03	9.30E-02	4.56E-03	6.57E-01	8.98E-02	5.53E+00	1.12E-02	9.23E-02	2.23E-03	1.61E-01	1.36E-02	6.65E+00	
360.9	4247.4	5.26E-03	5.28E-02	4.15E-03	2.08E+00	1.90E-02	4.00E+00	3.72E-02	3.05E-01	1.77E-03	1.14E-01	2.04E-02	6.64E+00	
361.2	4248.8	6.49E-03	4.83E-02	4.20E-03	9.67E-01	1.80E-01	4.93E+00	1.88E-02	1.27E-01	1.75E-03	3.24E-01	2.56E-02	6.64E+00	
360.804	4247.376	1.92E-03	5.15E-02	3.72E-03	2.24E+00	1.75E-02	3.70E+00	3.30E-02	4.10E-01	1.62E-03	1.22E-01	2.62E-02	6.61E+00	
361.3	4248.4	3.07E-03	4.88E-02	3.82E-03	1.08E+00	9.90E-02	4.81E+00	2.78E-02	1.30E-01	1.63E-03	2.48E-01	2.12E-02	6.47E+00	
360.032	4249.325	2.05E-03	8.86E-02	5.20E-03	6.60E-01	1.79E-01	5.17E+00	1.01E-02	1.02E-01	2.28E-03	2.18E-01	1.70E-02	6.45E+00	
361.3	4248.5	4.10E-03	4.85E-02	4.10E-03	1.04E+00	1.11E-01	4.77E+00	2.63E-02	1.27E-01	1.72E-03	2.61E-01	2.16E-02	6.42E+00	
360.7	4249.3	3.81E-03	5.93E-02	5.08E-03	8.43E-01	3.05E-01	4.74E+00	1.56E-02	1.23E-01	2.08E-03	2.66E-01	2.07E-02	6.39E+00	
360.9	4249.4	4.94E-03	4.53E-02	4.53E-03	7.98E-01	2.61E-01	4.79E+00	1.43E-02	1.16E-01	1.80E-03	2.78E-01	2.14E-02	6.34E+00	
361.2	4248.2	2.21E-03	4.77E-02	3.60E-03	1.25E+00	8.56E-02	4.49E+00	3.53E-02	1.39E-01	1.53E-03	2.48E-01	2.23E-02	6.33E+00	
359.627	4248.675	1.12E-03	9.74E-02	4.17E-03	6.41E-01	6.75E-02	5.23E+00	1.03E-02	1.09E-01	2.28E-03	1.43E-01	1.29E-02	6.32E+00	
361.2	4248.9	6.18E-03	4.56E-02	4.02E-03	8.96E-01	1.87E-01	4.70E+00	1.67E-02	1.22E-01	1.66E-03	3.08E-01	2.42E-02	6.32E+00	
359.9	4249.3	1.94E-03	7.99E-02	4.66E-03	5.81E-01	1.35E-01	5.19E+00	9.23E-03	8.94E-02	2.06E-03	1.82E-01	1.45E-02	6.29E+00	
361	4249.3	6.18E-03	4.43E-02	4.99E-03	8.00E-01	2.64E-01	4.70E+00	1.44E-02	1.17E-01	1.93E-03	2.78E-01	2.16E-02	6.25E+00	
361.3	4248.3	2.38E-03	4.84E-02	3.64E-03	1.12E+00	8.67E-02	4.56E+00	2.86E-02	1.33E-01	1.57E-03	2.37E-01	2.07E-02	6.25E+00	
361.2	4247.8	3.06E-03	4.86E-02	3.77E-03	1.42E+00	4.32E-02	4.35E+00	4.04E-02	1.48E-01	1.59E-03	1.61E-01	1.72E-02	6.24E+00	
360.191	4249.427	1.92E-03	7.76E-02	5.08E-03	6.89E-01	2.14E-01	4.88E+00	1.09E-02	1.06E-01	2.14E-03	2.30E-01	1.78E-02	6.24E+00	
359.628	4248.588	1.03E-03	8.29E-02	3.71E-03	6.41E-01	6.31E-02	5.15E+00	1.00E-02	1.20E-01	1.97E-03	1.41E-01	1.30E-02	6.22E+00	
361.3	4248.6	4.79E-03	4.54E-02	3.98E-03	9.79E-01	1.21E-01	4.63E+00	2.37E-02	1.22E-01	1.65E-03	2.67E-01	2.17E-02	6.22E+00	
359.9	4249.1	2.07E-03	8.89E-02	5.02E-03	7.21E-01	1.59E-01	4.87E+00	1.20E-02	1.06E-01	2.24E-03	2.26E-01	1.82E-02	6.21E+00	
361.1	4247.5	1.98E-02	5.01E-02	4.90E-03	1.66E+00	2.51E-02	4.06E+00	4.35E-02	2.09E-01	1.96E-03	1.13E-01	1.55E-02	6.21E+00	
360.491	4249.545	2.33E-03	6.36E-02	4.90E-03	6.66E-01	2.31E-01	4.86E+00	1.20E-02	9.76E-02	2.02E-03	2.02E-01	1.58E-02	6.16E+00	
359.628	4248.5	9.76E-04	7.77E-02	3.61E-03	6.46E-01	5.79E-02	5.05E+00	9.91E-03	1.36E-01	1.87E-03	1.38E-01	1.32E-02	6.13E+00	
360.8	4249.3	4.44E-03	4.97E-02	4.61E-03	8.76E-01	3.83E-01	4.32E+00	1.61E-02	1.38E-01	1.86E-03	2.92E-01	2.19E-02	6.10E+00	
359.652	4248.019	4.94E-04	1.06E-01	3.92E-03	1.00E+00	3.14E-02	4.60E+00	1.58E-02	1.60E-01	2.31E-03	1.27E-01	1.45E-02	6.06E+00	
361.2	4247.7	3.73E-03	4.96E-02	3.88E-03	1.40E+00	3.59E-02	4.21E+00	4.22E-02	1.52E-01	1.64E-03	1.40E-01	1.58E-02	6.05E+00	
361	4247.4	1.19E-02	4.94E-02	4.45E-03	1.73E+00	2.01E-02	3.77E+00	3.57E-02	2.54E-01	1.82E-03	1.04E-01	1.65E-02	6.00E+00	
359.629	4248.371	7.78E-04	7.25E-02	3.18E-03	7.03E-01	4.89E-02	4.85E+00	1.08E-02	1.51E-01	1.72E-03	1.32E-01	1.38E-02	5.98E+00	
361.3	4248	1.94E-03	4.26E-02	3.40E-03	1.27E+00	5.50E-02	4.23E+00	3.60E-02	1.36E-01	1.43E-03	1.81E-01	1.78E-02	5.98E+00	
361.3	4247.9	2.47E-03	4.42E-02	3.58E-03	1.29E+00	4.77E-02	4.21E+00	3.30E-02	1.34E-01	1.50E-03	1.62E-01	1.66E-02	5.95E+00	
359.626	4248.301	7.29E-04	7.20E-02	3.16E-03	7.71E-01	4.39E-02	4.72E+00	1.17E-02	1.51E-01	1.69E-03	1.30E-01	1.43E-02	5.92E+00	
360.6	4249.5	2.75E-03	6.01E-02	4.84E-03	6.77E-01	2.05E-01	4.63E+00	1.25E-02	9.52E-02	1.99E-03	2.02E-01	1.61E-02	5.90E+00	
359.6	4248.1	5.63E-04	9.49E-02	3.86E-03	9.28E-01	3.18E-02	4.54E+00	1.34E-02	1.50E-01	2.12E-03	1.19E-01	1.34E-02	5.90E+00	
361.3	4248.7	5.32E-03	4.31E-02	3.82E-03	9.05E-01	1.27E-01	4.37E+00	2.03E-02	1.16E-01	1.58E-03	2.61E-01	2.13E-02	5.88E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.6	4248.2	7.13E-04	9.33E-02	3.95E-03	8.73E-01	3.62E-02	4.54E+00	1.23E-02	1.47E-01	2.14E-03	1.25E-01	1.41E-02	5.85E+00	
360.7	4249.5	3.28E-03	5.53E-02	4.75E-03	7.39E-01	2.69E-01	4.39E+00	1.33E-02	1.10E-01	1.93E-03	2.45E-01	1.89E-02	5.85E+00	
361.2	4247.6	5.53E-03	4.95E-02	4.13E-03	1.43E+00	3.02E-02	3.96E+00	4.08E-02	1.71E-01	1.71E-03	1.23E-01	1.47E-02	5.83E+00	
360.8	4249.4	4.18E-03	4.89E-02	4.55E-03	8.20E-01	2.97E-01	4.19E+00	1.48E-02	1.24E-01	1.83E-03	2.86E-01	2.19E-02	5.81E+00	
360.7	4249.4	3.52E-03	5.70E-02	4.85E-03	7.36E-01	2.33E-01	4.37E+00	1.39E-02	1.05E-01	1.99E-03	2.22E-01	1.75E-02	5.77E+00	
359.6	4248.8	1.16E-03	8.54E-02	3.87E-03	5.88E-01	6.77E-02	4.74E+00	9.93E-03	9.45E-02	2.03E-03	1.33E-01	1.17E-02	5.74E+00	
361.2	4249	5.85E-03	4.30E-02	3.94E-03	8.03E-01	1.80E-01	4.28E+00	1.51E-02	1.14E-01	1.61E-03	2.72E-01	2.14E-02	5.74E+00	
359.8	4249	1.75E-03	8.12E-02	4.54E-03	6.91E-01	1.20E-01	4.51E+00	1.22E-02	9.76E-02	2.04E-03	1.91E-01	1.58E-02	5.73E+00	
361.3	4248.1	1.65E-03	4.15E-02	3.23E-03	1.18E+00	6.41E-02	4.05E+00	3.38E-02	1.34E-01	1.37E-03	1.98E-01	1.88E-02	5.72E+00	
361.1	4249.1	5.52E-03	4.24E-02	4.01E-03	8.39E-01	2.34E-01	4.13E+00	1.56E-02	1.21E-01	1.61E-03	2.97E-01	2.33E-02	5.71E+00	
361.1	4249.2	5.78E-03	4.20E-02	4.27E-03	7.61E-01	2.17E-01	4.24E+00	1.39E-02	1.12E-01	1.69E-03	2.64E-01	2.08E-02	5.68E+00	
360.189	4249.503	1.83E-03	6.93E-02	4.68E-03	6.19E-01	1.83E-01	4.45E+00	9.99E-03	9.48E-02	1.94E-03	1.97E-01	1.54E-02	5.65E+00	
360.9	4249.5	4.70E-03	4.49E-02	4.60E-03	7.10E-01	2.07E-01	4.31E+00	1.29E-02	1.03E-01	1.81E-03	2.34E-01	1.83E-02	5.65E+00	
361.4	4248.3	2.24E-03	4.57E-02	3.49E-03	9.79E-01	7.38E-02	4.17E+00	2.38E-02	1.22E-01	1.50E-03	1.94E-01	1.72E-02	5.63E+00	
361.3	4248.8	5.67E-03	4.22E-02	3.76E-03	8.42E-01	1.37E-01	4.17E+00	1.74E-02	1.12E-01	1.55E-03	2.55E-01	2.07E-02	5.61E+00	
361	4249.4	5.89E-03	4.13E-02	4.99E-03	7.14E-01	2.25E-01	4.23E+00	1.32E-02	1.04E-01	1.90E-03	2.34E-01	1.83E-02	5.59E+00	
360.7	4249.6	3.04E-03	5.27E-02	4.54E-03	6.93E-01	2.14E-01	4.22E+00	1.21E-02	9.91E-02	1.84E-03	2.34E-01	1.84E-02	5.56E+00	
361.4	4248.4	2.63E-03	4.41E-02	3.50E-03	9.42E-01	8.17E-02	4.12E+00	2.35E-02	1.19E-01	1.49E-03	2.00E-01	1.75E-02	5.55E+00	
359.629	4247.939	4.43E-04	1.01E-01	3.53E-03	9.44E-01	2.73E-02	4.15E+00	1.42E-02	1.74E-01	2.17E-03	1.16E-01	1.34E-02	5.55E+00	
361.1	4247.4	1.27E-02	4.60E-02	4.50E-03	1.49E+00	2.12E-02	3.58E+00	3.49E-02	2.32E-01	1.80E-03	9.86E-02	1.44E-02	5.54E+00	
361.2	4247.5	9.30E-03	4.68E-02	4.39E-03	1.39E+00	2.56E-02	3.68E+00	3.77E-02	1.94E-01	1.77E-03	1.08E-01	1.38E-02	5.52E+00	
360.5	4249.6	2.28E-03	5.98E-02	4.62E-03	5.97E-01	1.63E-01	4.39E+00	1.10E-02	8.42E-02	1.90E-03	1.69E-01	1.36E-02	5.49E+00	
361.3	4247.8	2.36E-03	4.38E-02	3.45E-03	1.19E+00	4.09E-02	3.86E+00	3.22E-02	1.32E-01	1.45E-03	1.44E-01	1.52E-02	5.46E+00	
360.8	4249.5	3.87E-03	4.85E-02	4.45E-03	7.49E-01	2.37E-01	4.00E+00	1.34E-02	1.09E-01	1.79E-03	2.57E-01	2.00E-02	5.45E+00	
359.8	4249.3	1.72E-03	6.80E-02	4.09E-03	5.16E-01	1.07E-01	4.49E+00	8.53E-03	7.86E-02	1.79E-03	1.51E-01	1.22E-02	5.44E+00	
360.8	4247.3	1.69E-03	4.55E-02	3.32E-03	1.73E+00	1.54E-02	3.06E+00	2.48E-02	4.21E-01	1.44E-03	1.04E-01	2.37E-02	5.44E+00	
361.4	4248.5	3.21E-03	4.31E-02	3.62E-03	9.04E-01	8.88E-02	4.02E+00	2.30E-02	1.16E-01	1.52E-03	2.09E-01	1.77E-02	5.43E+00	
359.6	4248	4.78E-04	9.51E-02	3.56E-03	9.06E-01	2.84E-02	4.08E+00	1.44E-02	1.56E-01	2.08E-03	1.15E-01	1.31E-02	5.42E+00	
359.984	4249.373	1.90E-03	7.71E-02	4.61E-03	5.80E-01	1.49E-01	4.29E+00	9.04E-03	9.10E-02	2.01E-03	1.84E-01	1.46E-02	5.40E+00	
361.3	4248.2	1.62E-03	4.36E-02	3.27E-03	1.06E+00	7.44E-02	3.82E+00	2.93E-02	1.28E-01	1.40E-03	2.05E-01	1.85E-02	5.39E+00	
361.3	4248.9	5.79E-03	4.17E-02	3.78E-03	7.83E-01	1.42E-01	4.02E+00	1.54E-02	1.08E-01	1.55E-03	2.48E-01	2.00E-02	5.38E+00	
360.444	4249.629	2.10E-03	6.04E-02	4.56E-03	5.76E-01	1.61E-01	4.30E+00	1.06E-02	8.24E-02	1.88E-03	1.62E-01	1.30E-02	5.38E+00	
361.4	4248.2	1.71E-03	4.33E-02	3.24E-03	9.99E-01	6.49E-02	3.87E+00	2.54E-02	1.22E-01	1.39E-03	1.86E-01	1.70E-02	5.34E+00	
361.4	4248.6	4.12E-03	4.04E-02	3.68E-03	8.60E-01	9.48E-02	3.96E+00	2.13E-02	1.11E-01	1.51E-03	2.15E-01	1.78E-02	5.33E+00	
360.9	4247.3	3.52E-03	4.53E-02	3.62E-03	1.61E+00	1.60E-02	3.17E+00	2.72E-02	3.33E-01	1.52E-03	9.56E-02	1.82E-02	5.33E+00	
360.5	4247.189	5.28E-04	2.79E-02	1.83E-03	8.79E-01	9.67E-03	3.24E+00	9.87E-03	1.03E+00	8.11E-04	7.16E-02	4.56E-02	5.32E+00	
360.725	4249.695	3.02E-03	4.99E-02	4.39E-03	6.16E-01	1.68E-01	4.15E+00	1.10E-02	8.71E-02	1.76E-03	1.94E-01	1.55E-02	5.30E+00	35
361.1	4249.3	5.99E-03	3.96E-02	4.55E-03	6.95E-01	2.01E-01	3.96E+00	1.27E-02	1.03E-01	1.75E-03	2.31E-01	1.84E-02	5.28E+00	
360.6	4249.6	2.53E-03	5.56E-02	4.48E-03	6.08E-01	1.71E-01	4.14E+00	1.12E-02	8.53E-02	1.83E-03	1.76E-01	1.42E-02	5.27E+00	
360.186	4249.569	1.76E-03	6.39E-02	4.40E-03	5.65E-01	1.59E-01	4.19E+00	9.31E-03	8.65E-02	1.82E-03	1.73E-01	1.37E-02	5.27E+00	
361.3	4247.7	2.95E-03	4.46E-02	3.55E-03	1.12E+00	3.47E-02	3.70E+00	3.32E-02	1.43E-01	1.49E-03	1.28E-01	1.40E-02	5.23E+00	
359.555	4248.218	7.49E-04	8.18E-02	3.65E-03	8.02E-01	3.45E-02	4.02E+00	1.13E-02	1.38E-01	1.92E-03	1.15E-01	1.31E-02	5.22E+00	
361.4	4247.9	1.96E-03	3.93E-02	3.19E-03	1.12E+00	4.31E-02	3.68E+00	2.75E-02	1.21E-01	1.34E-03	1.45E-01	1.47E-02	5.20E+00	
359.606	4247.882	4.56E-04	1.04E-01	3.58E-03	8.70E-01	2.45E-02	3.86E+00	1.30E-02	1.95E-01	2.23E-03	1.07E-01	1.31E-02	5.19E+00	
361.2	4249.1	5.78E-03	4.07E-02	3.98E-03	7.17E-01	1.70E-01	3.87E+00	1.36E-02	1.05E-01	1.59E-03	2.37E-01	1.89E-02	5.18E+00	
360.2	4249.6	1.74E-03	6.16E-02	4.30E-03	5.53E-01	1.54E-01	4.11E+00	9.23E-03	8.42E-02	1.77E-03	1.68E-01	1.33E-02	5.16E+00	
360.6	4249.7	2.39E-03	5.25E-02	4.30E-03	5.95E-01	1.81E-01	4.01E+00	1.06E-02	8.58E-02	1.74E-03	1.84E-01	1.46E-02	5.14E+00	
360.395	4247.146	5.46E-04	2.44E-02	1.50E-03	6.36E-01	9.74E-03	3.05E+00	7.40E-03	1.28E+00	6.78E-04	9.63E-02	3.28E-02	5.14E+00	
361.4	4248.7	5.57E-03	3.79E-02	3.79E-03	8.01E-01	9.91E-02	3.82E+00	1.89E-02	1.05E-01	1.51E-03	2.11E-01	1.74E-02	5.12E+00	
361.4	4248.1	1.56E-03	3.94E-02	3.05E-03	1.04E+00	5.66E-02	3.64E+00	2.84E-02	1.21E-01	1.29E-03	1.72E-01	1.63E-02	5.12E+00	
359.524	4248.149	6.30E-04	8.16E-02	3.57E-03	8.06E-01	2.99E-02	3.92E+00	1.12E-02	1.36E-01	1.88E-03	1.06E-01	1.17E-02	5.10E+00	
360.9	4249.6	4.40E-03	4.43E-02	4.56E-03	6.35E-01	1.66E-01	3.93E+00	1.17E-02	9.15E-02	1.79E-03	1.99E-01	1.58E-02	5.10E+00	
361.2	4247.4	8.02E-03	4.36E-02	4.05E-03	1.30E+00	2.19E-02	3.36E+00	3.32E-02	2.06E-01	1.64E-03	9.51E-02	1.29E-02	5.09E+00	
360.178	4249.644	1.69E-03	5.94E-02	4.15E-03	5.14E-01	1.35E-01	4.12E+00	8.58E-03	7.83E-02	1.71E-03	1.53E-01	1.22E-02	5.09E+00	
361	4247.3	6.05E-03	4.38E-02	3.78E-03	1.45E+00	1.69E-02	3.11E+00	2.72E-02	2.84E-01	1.56E-03	8.99E-02	1.50E-02	5.05E+00	
359.8	4249.1	1.74E-03	7.18E-02	4.22E-03	6.21E-01	1.20E-01	3.93E+00	1.09E-02	9.11E-02	1.85E-03	1.79E-01	1.47E-02	5.05E+00	
360.7	4249.7	2.81E-03	4.93E-02	4.24E-03	6.14E-01	1.70E-01	3.87E+00	1.10E-02	8.68E-02	1.71E-03	1.95E-01	1.56E-02	5.02E+00	
360.8	4249.6	3.55E-03	4.73E-02	4.27E-03	6.64E-01	1.90E-01	3.76E+00	1.21E-02	9.53E-02	1.72E-03	2.14E-01	1.70E-02	5.01E+00	
361	4249.5	5.47E-03	3.92E-02	4.90E-03	6.44E-01	1.84E-01	3.81E+00	1.20E-02	9.40E-02	1.85E-03	2.00E-01	1.58E-02	5.01E+00	
361.3	4247.6	4.14E-03	4.45E-02	3.78E-03	1.13E+00	2.96E-02	3.47E+00	3.19E-02	1.64E-01	1.56E-03	1.13E-01	1.30E-02	5.00E+00	
361.3	4249	6.07E-03	4.08E-02	3.94E-03	7.10E-01	1.39E-01	3.72E+00	1.38E-02	1.01E-01	1.59E-03	2.25E-01	1.81E-02	4.98E+00	
361.4	4248	1.40E-03	3.61E-02	2.90E-03	1.11E+00	4.95E-02	3.45E+00	2.99E-02	1.19E-01	1.21E-03	1.56E-01	1.55E-02	4.97E+00	
360.771	4247.244	1.31E-03	4.15E-02	2.96E-03	1.47E+00	1.41E-02	2.78E+00	2.00E-02	5.08E-01	1.28E-03	9.53E-02	2.51E-02	4.96E+00	
359.8	4249.2	1.74E-03	6.72E-02	4.06E-03	5.69E-01	1.15E-01	3.91E+00	9.67E-03	8.53E-02	1.76E-03	1.64E-01	1.34E-02	4.94E+00	
360.5	4249.7	2.10E-03	5.52E-02	4.29E-03	5.34E-01	1.32E-01	3.92E+00	9.94E-03	7.48E-02	1.76E-03	1.45E-01	1.19E-02	4.89E+00	
360.397	4249.713	1.89E-03	5.67E-02	4.24E-03	5.23E-01	1.44E-01	3.91E+00	9.64E-03	7.56E-02	1.75E-03	1.44E-01	1.16E-02	4.89E+00	
359.501	4248.764	1.06E-03	7.39E-02	3.44E-03	5.17E-01	5.33E-02	4.00E+00	8.53E-03	1.01E-01	1.79E-03	1.11E-01	1.03E-02	4.88E+00	
361.1	4249.4	5.95E-03	3.74E-02	4.67E-03	6.36E-01	1.83E-01	3.67E+00	1.18E-02	9.48E-02	1.76E-03	2.00E-01	1.60E-02	4.87E+00	
359.5	4248.8	1.06E-03	7.44E-02	3.46E-03	5.10E-01	5.39E-02	3.98E+00	8.55E-03	9.59E-02	1.80E-03	1.10E-01	1.01E-02	4.85E+00	
361.4	4248.8	6.44E-03	3.67E-02	3.81E-03	7.41E-01	1.06E-01	3.61E+00	1.66E-02	1.01E-01	1.51E-03	2.03E-01	1.69E-02	4.84E+00	
359.939	4249.397	1.81E-03	7.04E-02	4.25E-03	5.33E-01	1.31E-01	3.83E+00	8.41E-03	8.39E-02	1.85E-03	1.64E-01	1.31E-02	4.84E+00	
361.1	4247.3	8.74E-03	4.23E-02	4.10E-03	1.31E+00	1.80E-02	3.06E+00	2.70E-02	2.39E-01	1.64E-03	8.70E-02	1.33E-02	4.81E+00	
361.3	4247.5	4.31E-03	4.30E-02	3.70E-03	1.14E+00	2.54E-02	3.27E+00	3.06E-02	1.73E-01	1.52E-03	1.00E-01	1.23E-02	4.80E+00	
361.5	4248.3	1.84E-03	4.01E-02	3.06E-03	8.46E-01	6.25E-02	3.53E+00	2.08E-02	1.09E-01	1.32E-03	1.60E-01	1.45E-02	4.79E+00	
360.293	4247.104	6.73E-04	3.25E-02	1.63E-03	5.53E-01	1.00E-02	2.56E+00	6.86E-03	1.49E+00	8.18E-04	1.04E-01	2.44E-02	4.79E+00	
359.9	4249.4	1.76E-03	6.75E-02	4.08E-03	5.09E-01	1.20E-01	3.81E+00	8.10E-03	8.02E-02	1.78E-03	1.54E-01	1.24E-02	4.77E+00	
361.5	4248.4	2.30E-03	3.99E-02	3.17E-03	8.27E-01	6.72E-02	3.52E+00	1.98E-02	1.08E-01	1.35E-03	1.64E-01	1.47E-02	4.77E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.7	4249	1.47E-03	7.28E-02	3.99E-03	6.01E-01	9.16E-02	3.73E+00	1.06E-02	8.63E-02	1.82E-03	1.52E-01	1.28E-02	4.76E+00	
359.8	4249.4	1.60E-03	6.08E-02	3.73E-03	4.59E-01	9.64E-02	3.91E+00	7.53E-03	7.15E-02	1.63E-03	1.33E-01	1.08E-02	4.76E+00	
360.6	4249.8	2.26E-03	4.93E-02	4.08E-03	5.49E-01	1.46E-01	3.72E+00	9.74E-03	7.70E-02	1.64E-03	1.69E-01	1.36E-02	4.74E+00	
359.494	4248.081	5.09E-04	7.56E-02	3.17E-03	7.44E-01	2.62E-02	3.63E+00	1.14E-02	1.34E-01	1.71E-03	9.80E-02	1.08E-02	4.74E+00	
361.2	4249.2	5.50E-03	3.73E-02	3.89E-03	6.51E-01	1.60E-01	3.54E+00	1.22E-02	9.67E-02	1.52E-03	2.10E-01	1.69E-02	4.73E+00	
360.178	4249.719	1.60E-03	5.43E-02	3.89E-03	4.72E-01	1.17E-01	3.83E+00	7.99E-03	7.13E-02	1.59E-03	1.37E-01	1.09E-02	4.71E+00	
360.2	4249.7	1.64E-03	5.51E-02	3.95E-03	4.92E-01	1.26E-01	3.77E+00	8.40E-03	7.42E-02	1.61E-03	1.44E-01	1.15E-02	4.69E+00	
361.4	4247.8	1.98E-03	3.84E-02	3.08E-03	1.01E+00	3.77E-02	3.31E+00	2.58E-02	1.21E-01	1.29E-03	1.30E-01	1.35E-02	4.69E+00	
361.5	4248.2	1.63E-03	3.95E-02	2.99E-03	8.71E-01	5.64E-02	3.41E+00	2.23E-02	1.08E-01	1.29E-03	1.55E-01	1.44E-02	4.68E+00	
359.6	4248.9	1.21E-03	7.26E-02	3.64E-03	5.58E-01	6.97E-02	3.72E+00	9.62E-03	8.56E-02	1.78E-03	1.27E-01	1.11E-02	4.66E+00	
360.8	4249.7	3.31E-03	4.54E-02	4.09E-03	5.93E-01	1.54E-01	3.57E+00	1.10E-02	8.45E-02	1.64E-03	1.81E-01	1.45E-02	4.66E+00	
361.5	4248.5	3.50E-03	3.95E-02	3.57E-03	8.01E-01	7.20E-02	3.42E+00	1.95E-02	1.06E-01	1.46E-03	1.70E-01	1.48E-02	4.65E+00	
361.4	4248.9	6.30E-03	3.64E-02	3.80E-03	6.88E-01	1.11E-01	3.47E+00	1.46E-02	9.65E-02	1.51E-03	1.99E-01	1.65E-02	4.64E+00	
360.7	4249.8	2.66E-03	4.66E-02	4.06E-03	5.52E-01	1.38E-01	3.62E+00	9.96E-03	7.72E-02	1.62E-03	1.66E-01	1.34E-02	4.64E+00	
360.8	4247.2	1.39E-03	3.90E-02	2.86E-03	1.30E+00	1.33E-02	2.63E+00	1.83E-02	5.06E-01	1.22E-03	8.72E-02	2.35E-02	4.63E+00	
360.9	4249.7	4.09E-03	4.30E-02	4.43E-03	5.72E-01	1.36E-01	3.59E+00	1.08E-02	8.18E-02	1.73E-03	1.69E-01	1.36E-02	4.63E+00	
361.3	4247.4	3.95E-03	4.04E-02	3.47E-03	1.13E+00	2.21E-02	3.08E+00	2.97E-02	1.77E-01	1.43E-03	9.07E-02	1.17E-02	4.59E+00	
361.5	4248.6	4.58E-03	3.68E-02	3.72E-03	7.65E-01	7.59E-02	3.39E+00	1.89E-02	1.02E-01	1.48E-03	1.74E-01	1.49E-02	4.59E+00	
361.5	4248.1	1.52E-03	3.71E-02	2.87E-03	9.23E-01	5.01E-02	3.28E+00	2.46E-02	1.08E-01	1.22E-03	1.48E-01	1.41E-02	4.59E+00	
359.7	4249.1	1.49E-03	6.50E-02	3.81E-03	5.54E-01	9.13E-02	3.61E+00	9.82E-03	8.11E-02	1.68E-03	1.45E-01	1.21E-02	4.57E+00	
360.9	4247.2	3.05E-03	4.02E-02	3.38E-03	1.28E+00	1.37E-02	2.72E+00	2.08E-02	3.78E-01	1.39E-03	8.23E-02	1.81E-02	4.56E+00	
361.2	4247.3	5.81E-03	4.06E-02	3.77E-03	1.18E+00	1.89E-02	2.98E+00	2.73E-02	2.08E-01	1.52E-03	8.49E-02	1.21E-02	4.56E+00	
359.5	4248.9	1.08E-03	6.74E-02	3.32E-03	4.88E-01	5.53E-02	3.72E+00	8.37E-03	8.45E-02	1.65E-03	1.06E-01	9.52E-03	4.55E+00	
359.5	4248	4.49E-04	7.50E-02	2.97E-03	7.45E-01	2.45E-02	3.42E+00	1.21E-02	1.47E-01	1.67E-03	9.56E-02	1.09E-02	4.53E+00	
361	4249.6	5.06E-03	3.80E-02	4.83E-03	5.86E-01	1.48E-01	3.46E+00	1.11E-02	8.51E-02	1.81E-03	1.74E-01	1.40E-02	4.53E+00	
361.3	4249.1	6.60E-03	3.84E-02	4.22E-03	6.35E-01	1.29E-01	3.36E+00	1.24E-02	9.37E-02	1.63E-03	1.96E-01	1.59E-02	4.49E+00	
361.5	4248.7	5.71E-03	3.41E-02	3.76E-03	7.16E-01	7.87E-02	3.35E+00	1.75E-02	9.67E-02	1.47E-03	1.73E-01	1.46E-02	4.49E+00	
361.4	4247.7	2.75E-03	3.95E-02	3.26E-03	9.10E-01	3.27E-02	3.19E+00	2.54E-02	1.31E-01	1.35E-03	1.14E-01	1.22E-02	4.47E+00	
359.7	4249.3	1.44E-03	5.58E-02	3.44E-03	4.56E-01	8.41E-02	3.64E+00	7.90E-03	6.97E-02	1.49E-03	1.24E-01	1.03E-02	4.45E+00	
360.771	4247.141	1.08E-03	3.59E-02	2.57E-03	1.13E+00	1.22E-02	2.51E+00	1.52E-02	6.30E-01	1.11E-03	8.12E-02	2.55E-02	4.45E+00	
361.5	4248	1.40E-03	3.37E-02	2.71E-03	9.83E-01	4.45E-02	3.09E+00	2.54E-02	1.09E-01	1.14E-03	1.37E-01	1.36E-02	4.44E+00	
361.2	4249.3	5.51E-03	3.52E-02	3.96E-03	6.02E-01	1.48E-01	3.34E+00	1.12E-02	9.08E-02	1.52E-03	1.88E-01	1.53E-02	4.44E+00	
361.1	4249.5	5.83E-03	3.54E-02	4.83E-03	5.81E-01	1.57E-01	3.36E+00	1.10E-02	8.62E-02	1.79E-03	1.72E-01	1.39E-02	4.43E+00	
359.528	4247.817	5.50E-04	9.22E-02	3.36E-03	7.40E-01	2.08E-02	3.27E+00	1.10E-02	1.76E-01	2.01E-03	9.26E-02	1.24E-02	4.42E+00	
360.5	4249.8	1.97E-03	5.12E-02	3.99E-03	4.85E-01	1.14E-01	3.53E+00	9.02E-03	6.79E-02	1.63E-03	1.29E-01	1.06E-02	4.40E+00	
361	4247.2	6.26E-03	3.97E-02	3.77E-03	1.22E+00	1.44E-02	2.68E+00	2.19E-02	3.08E-01	1.51E-03	7.90E-02	1.49E-02	4.39E+00	
360.49	4247.124	4.61E-04	2.47E-02	1.73E-03	7.23E-01	8.98E-03	2.53E+00	8.45E-03	9.84E-01	7.53E-04	6.67E-02	3.09E-02	4.38E+00	
361.5	4247.9	1.53E-03	3.36E-02	2.74E-03	9.82E-01	3.93E-02	3.04E+00	2.36E-02	1.12E-01	1.14E-03	1.29E-01	1.30E-02	4.38E+00	
361.4	4249	6.38E-03	3.66E-02	3.98E-03	6.34E-01	1.09E-01	3.25E+00	1.29E-02	9.13E-02	1.56E-03	1.88E-01	1.54E-02	4.35E+00	
359.5	4247.9	5.23E-04	8.03E-02	3.12E-03	7.07E-01	2.25E-02	3.25E+00	1.09E-02	1.69E-01	1.78E-03	8.89E-02	1.13E-02	4.35E+00	
360.35	4249.797	1.69E-03	5.18E-02	3.86E-03	4.65E-01	1.18E-01	3.46E+00	8.62E-03	6.72E-02	1.58E-03	1.23E-01	1.01E-02	4.31E+00	
361.3	4247.3	3.67E-03	3.83E-02	3.34E-03	1.06E+00	1.93E-02	2.85E+00	2.70E-02	1.83E-01	1.37E-03	8.21E-02	1.10E-02	4.29E+00	
361.6	4248.2	1.82E-03	3.80E-02	2.94E-03	7.74E-01	4.92E-02	3.15E+00	1.96E-02	9.67E-02	1.26E-03	1.31E-01	1.23E-02	4.28E+00	
360.277	4249.8	1.59E-03	5.00E-02	3.72E-03	4.65E-01	1.16E-01	3.41E+00	8.35E-03	6.85E-02	1.51E-03	1.32E-01	1.07E-02	4.27E+00	
360.4	4249.8	1.77E-03	5.21E-02	3.91E-03	4.61E-01	1.00E-01	3.44E+00	8.68E-03	6.49E-02	1.61E-03	1.18E-01	9.81E-03	4.27E+00	
361.6	4248.1	1.58E-03	3.60E-02	2.80E-03	8.23E-01	4.43E-02	3.10E+00	2.15E-02	9.87E-02	1.19E-03	1.28E-01	1.23E-02	4.27E+00	
361.5	4248.8	6.51E-03	3.23E-02	3.68E-03	6.60E-01	8.41E-02	3.18E+00	1.58E-02	9.18E-02	1.43E-03	1.66E-01	1.40E-02	4.25E+00	
360.8	4249.8	3.06E-03	4.30E-02	3.86E-03	5.36E-01	1.26E-01	3.27E+00	1.01E-02	7.57E-02	1.54E-03	1.55E-01	1.26E-02	4.24E+00	
360.9	4249.8	3.78E-03	4.14E-02	4.25E-03	5.22E-01	1.13E-01	3.30E+00	9.99E-03	7.39E-02	1.65E-03	1.47E-01	1.20E-02	4.23E+00	
360.6	4249.9	2.12E-03	4.58E-02	3.80E-03	4.88E-01	1.18E-01	3.34E+00	8.85E-03	6.80E-02	1.52E-03	1.41E-01	1.15E-02	4.22E+00	
361.1	4247.2	8.80E-03	3.90E-02	4.08E-03	1.14E+00	1.55E-02	2.65E+00	2.20E-02	2.51E-01	1.61E-03	7.76E-02	1.30E-02	4.22E+00	
361.4	4247.6	2.94E-03	3.84E-02	3.24E-03	8.90E-01	2.82E-02	2.98E+00	2.47E-02	1.45E-01	1.33E-03	9.98E-02	1.13E-02	4.22E+00	
361.6	4248.3	2.30E-03	3.78E-02	3.06E-03	7.37E-01	5.28E-02	3.13E+00	1.82E-02	9.67E-02	1.29E-03	1.33E-01	1.23E-02	4.22E+00	
359.427	4248.61	9.62E-04	5.54E-02	2.85E-03	4.77E-01	4.21E-02	3.40E+00	7.26E-03	1.11E-01	1.40E-03	9.61E-02	9.92E-03	4.21E+00	
361.2	4249.4	5.61E-03	3.36E-02	4.03E-03	5.63E-01	1.40E-01	3.18E+00	1.05E-02	8.57E-02	1.53E-03	1.69E-01	1.38E-02	4.20E+00	
360.428	4247.101	4.70E-04	2.26E-02	1.53E-03	5.67E-01	8.46E-03	2.27E+00	7.08E-03	1.22E+00	6.71E-04	7.19E-02	2.43E-02	4.20E+00	
359.459	4247.985	4.51E-04	6.94E-02	2.81E-03	6.81E-01	2.29E-02	3.16E+00	1.12E-02	1.46E-01	1.56E-03	8.75E-02	1.01E-02	4.19E+00	
359.7	4249.4	1.40E-03	5.26E-02	3.32E-03	4.11E-01	7.78E-02	3.44E+00	7.02E-03	6.40E-02	1.43E-03	1.13E-01	9.28E-03	4.18E+00	
360.8	4247.1	1.12E-03	3.47E-02	2.54E-03	1.04E+00	1.17E-02	2.37E+00	1.44E-02	5.94E-01	1.08E-03	7.57E-02	2.35E-02	4.17E+00	
359.5	4247.8	5.63E-04	8.70E-02	3.24E-03	6.90E-01	1.99E-02	3.09E+00	1.04E-02	1.61E-01	1.91E-03	8.69E-02	1.16E-02	4.16E+00	
361.6	4248.4	2.72E-03	3.68E-02	3.14E-03	7.23E-01	5.55E-02	3.05E+00	1.71E-02	9.63E-02	1.31E-03	1.36E-01	1.24E-02	4.14E+00	
360.7	4249.9	2.46E-03	4.34E-02	3.79E-03	4.99E-01	1.12E-01	3.23E+00	9.15E-03	6.89E-02	1.50E-03	1.44E-01	1.17E-02	4.13E+00	
361	4249.7	4.55E-03	3.71E-02	4.50E-03	5.38E-01	1.21E-01	3.17E+00	1.04E-02	7.75E-02	1.70E-03	1.52E-01	1.24E-02	4.13E+00	
359.888	4249.439	1.66E-03	6.15E-02	3.79E-03	4.75E-01	1.11E-01	3.23E+00	7.64E-03	7.54E-02	1.64E-03	1.40E-01	1.14E-02	4.12E+00	
360.2	4249.8	1.52E-03	4.87E-02	3.60E-03	4.40E-01	1.04E-01	3.31E+00	7.61E-03	6.57E-02	1.46E-03	1.24E-01	1.01E-02	4.12E+00	
361.4	4247.4	3.11E-03	3.77E-02	3.27E-03	9.72E-01	2.17E-02	2.79E+00	2.53E-02	1.58E-01	1.34E-03	8.42E-02	1.05E-02	4.11E+00	
360.186	4249.823	1.50E-03	4.76E-02	3.53E-03	4.22E-01	9.67E-02	3.33E+00	7.30E-03	6.32E-02	1.43E-03	1.19E-01	9.60E-03	4.10E+00	
360.5	4249.9	1.86E-03	4.77E-02	3.76E-03	4.55E-01	1.10E-01	3.27E+00	8.37E-03	6.42E-02	1.53E-03	1.23E-01	1.00E-02	4.10E+00	
361.2	4247.2	5.79E-03	3.80E-02	3.72E-03	1.06E+00	1.64E-02	2.63E+00	2.22E-02	2.13E-01	1.48E-03	7.66E-02	1.17E-02	4.08E+00	
360.9	4247.1	2.22E-03	3.62E-02	3.03E-03	1.05E+00	1.19E-02	2.43E+00	1.66E-02	4.38E-01	1.25E-03	7.25E-02	1.87E-02	4.08E+00	
361.3	4249.2	6.06E-03	3.51E-02	4.03E-03	5.74E-01	1.21E-01	3.05E+00	1.12E-02	8.67E-02	1.54E-03	1.71E-01	1.40E-02	4.08E+00	
361.4	4247.5	2.61E-03	3.72E-02	3.10E-03	9.26E-01	2.45E-02	2.79E+00	2.44E-02	1.53E-01	1.28E-03	9.01E-02	1.08E-02	4.07E+00	
361.6	4248	1.45E-03	3.24E-02	2.60E-03	8.77E-01	3.96E-02	2.85E+00	2.18E-02	1.03E-01	1.09E-03	1.22E-01	1.21E-02	4.06E+00	
361.5	4248.9	6.87E-03	3.15E-02	3.70E-03	6.13E-01	8.75E-02	3.03E+00	1.39E-02	8.73E-02	1.42E-03	1.62E-01	1.37E-02	4.05E+00	
361.5	4247.8	1.67E-03	3.33E-02	2.71E-03	8.77E-01	3.47E-02	2.83E+00	2.16E-02	1.12E-01	1.13E-03	1.16E-01	1.20E-02	4.05E+00	
361.6	4248.5	3.85E-03	3.59E-02	3.55E-03	7.13E-01	5.88E-02	2.96E+00	1.67E-02	9.53E-02	1.42E-03	1.41E-01	1.26E-02	4.04E+00	
359.399	4248.787	1.04E-03	5.92E-02	3.04E-03	4.46E-01	4.34E-02	3.27E+00	7.37E-03	9.86E-02	1.49E-03	9.15E-02	9.02E-03	4.03E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
361.1	4249.6	5.30E-03	3.38E-02	4.53E-03	5.33E-01	1.31E-01	3.07E+00	1.03E-02	7.87E-02	1.67E-03	1.49E-01	1.21E-02	4.03E+00	
359.6	4249	1.25E-03	6.35E-02	3.47E-03	5.24E-01	7.10E-02	3.13E+00	9.18E-03	7.88E-02	1.60E-03	1.23E-01	1.06E-02	4.02E+00	
359.4	4248.6	9.28E-04	5.33E-02	2.73E-03	4.63E-01	3.97E-02	3.23E+00	6.99E-03	1.08E-01	1.35E-03	9.16E-02	9.58E-03	4.01E+00	
361.6	4248.6	4.98E-03	3.36E-02	3.72E-03	6.87E-01	6.14E-02	2.93E+00	1.66E-02	9.26E-02	1.45E-03	1.44E-01	1.26E-02	3.99E+00	
361.4	4249.1	6.98E-03	3.59E-02	4.27E-03	5.74E-01	1.02E-01	2.98E+00	1.15E-02	8.50E-02	1.63E-03	1.68E-01	1.38E-02	3.98E+00	
361.4	4247.3	4.25E-03	3.69E-02	3.44E-03	9.56E-01	1.94E-02	2.68E+00	2.46E-02	1.61E-01	1.38E-03	7.83E-02	1.01E-02	3.98E+00	
361	4247.1	5.40E-03	3.62E-02	3.66E-03	1.04E+00	1.25E-02	2.42E+00	1.81E-02	3.39E-01	1.44E-03	7.01E-02	1.59E-02	3.97E+00	
360.765	4247.037	8.71E-04	3.19E-02	2.29E-03	9.10E-01	1.08E-02	2.26E+00	1.22E-02	6.33E-01	9.85E-04	6.91E-02	2.40E-02	3.96E+00	
361.6	4248.7	5.10E-03	3.11E-02	3.48E-03	6.47E-01	6.35E-02	2.94E+00	1.59E-02	8.83E-02	1.35E-03	1.44E-01	1.24E-02	3.95E+00	
360.236	4246.896	5.45E-04	3.12E-02	1.50E-03	3.81E-01	7.80E-03	1.14E+00	4.70E-03	2.20E+00	7.76E-04	6.00E-02	1.23E-01	3.95E+00	
359.4	4248.9	1.01E-03	6.08E-02	3.00E-03	4.31E-01	4.47E-02	3.21E+00	7.39E-03	8.82E-02	1.50E-03	8.94E-02	8.43E-03	3.94E+00	
359.6	4249.3	1.23E-03	4.98E-02	3.08E-03	4.07E-01	6.68E-02	3.23E+00	7.23E-03	6.30E-02	1.34E-03	1.04E-01	8.75E-03	3.94E+00	
360.8	4249.9	2.83E-03	4.10E-02	3.70E-03	4.89E-01	1.04E-01	3.07E+00	9.27E-03	6.82E-02	1.46E-03	1.35E-01	1.11E-02	3.93E+00	
361.3	4247.2	3.45E-03	3.64E-02	3.27E-03	9.82E-01	1.70E-02	2.59E+00	2.26E-02	1.86E-01	1.33E-03	7.47E-02	1.07E-02	3.93E+00	
360.6	4250	2.02E-03	4.30E-02	3.60E-03	4.49E-01	9.71E-02	3.11E+00	8.15E-03	6.13E-02	1.44E-03	1.26E-01	1.04E-02	3.91E+00	
361.5	4247.7	2.22E-03	3.45E-02	2.88E-03	7.68E-01	3.06E-02	2.82E+00	2.06E-02	1.16E-01	1.19E-03	1.02E-01	1.07E-02	3.91E+00	
360.9	4249.9	3.48E-03	3.98E-02	4.07E-03	4.79E-01	9.37E-02	3.07E+00	9.25E-03	6.72E-02	1.57E-03	1.28E-01	1.06E-02	3.91E+00	
361.2	4249.5	5.92E-03	3.24E-02	4.35E-03	5.24E-01	1.30E-01	2.95E+00	9.91E-03	7.96E-02	1.61E-03	1.49E-01	1.23E-02	3.90E+00	
360.5	4250	1.79E-03	4.48E-02	3.58E-03	4.32E-01	9.37E-02	3.12E+00	7.84E-03	5.99E-02	1.45E-03	1.20E-01	9.88E-03	3.90E+00	
361.6	4247.9	1.44E-03	3.05E-02	2.49E-03	8.69E-01	3.59E-02	2.69E+00	2.06E-02	1.04E-01	1.04E-03	1.14E-01	1.15E-02	3.87E+00	
359.7	4249.2	1.44E-03	5.61E-02	3.45E-03	4.88E-01	8.84E-02	3.01E+00	8.84E-03	7.42E-02	1.49E-03	1.30E-01	1.08E-02	3.87E+00	
359.495	4247.725	4.86E-04	8.61E-02	3.05E-03	6.39E-01	1.76E-02	2.86E+00	1.07E-02	1.50E-01	1.88E-03	7.95E-02	1.05E-02	3.85E+00	
361.1	4247.1	6.66E-03	3.61E-02	3.77E-03	1.01E+00	1.34E-02	2.39E+00	1.86E-02	2.70E-01	1.48E-03	6.94E-02	1.37E-02	3.84E+00	
359.6	4249.1	1.26E-03	5.71E-02	3.33E-03	4.87E-01	7.11E-02	3.00E+00	8.62E-03	7.32E-02	1.48E-03	1.18E-01	1.01E-02	3.83E+00	
361.5	4249	6.92E-03	3.19E-02	3.90E-03	5.68E-01	8.78E-02	2.86E+00	1.23E-02	8.29E-02	1.49E-03	1.57E-01	1.32E-02	3.82E+00	
361.7	4248.1	1.64E-03	3.38E-02	2.65E-03	7.38E-01	3.94E-02	2.77E+00	1.88E-02	9.26E-02	1.13E-03	1.10E-01	1.07E-02	3.82E+00	
360.4	4249.9	1.65E-03	4.77E-02	3.61E-03	4.17E-01	8.32E-02	3.08E+00	7.90E-03	5.84E-02	1.48E-03	1.05E-01	8.76E-03	3.82E+00	
361	4249.8	4.18E-03	3.63E-02	4.31E-03	4.97E-01	1.00E-01	2.94E+00	9.69E-03	7.10E-02	1.62E-03	1.34E-01	1.11E-02	3.81E+00	
361.3	4249.3	5.20E-03	3.22E-02	3.62E-03	5.30E-01	1.13E-01	2.86E+00	1.02E-02	8.14E-02	1.39E-03	1.54E-01	1.27E-02	3.80E+00	
361.7	4248.2	2.08E-03	3.54E-02	2.87E-03	6.98E-01	4.26E-02	2.79E+00	1.75E-02	8.90E-02	1.21E-03	1.11E-01	1.06E-02	3.80E+00	
361.6	4248.8	5.12E-03	2.93E-02	3.24E-03	6.01E-01	6.78E-02	2.84E+00	1.47E-02	8.43E-02	1.26E-03	1.39E-01	1.19E-02	3.79E+00	
359.425	4247.89	5.61E-04	6.89E-02	2.90E-03	6.21E-01	2.04E-02	2.83E+00	9.57E-03	1.45E-01	1.56E-03	7.88E-02	1.03E-02	3.79E+00	
360.7	4250	2.28E-03	4.07E-02	3.57E-03	4.55E-01	9.33E-02	2.95E+00	8.43E-03	6.21E-02	1.41E-03	1.25E-01	1.03E-02	3.75E+00	
359.362	4248.505	8.21E-04	4.98E-02	2.46E-03	4.81E-01	3.45E-02	2.96E+00	7.04E-03	1.07E-01	1.24E-03	8.62E-02	9.35E-03	3.74E+00	
359.36	4248.7	9.68E-04	4.99E-02	2.63E-03	4.28E-01	3.88E-02	3.01E+00	6.73E-03	1.00E-01	1.28E-03	8.57E-02	8.87E-03	3.74E+00	
360.8	4247	9.72E-04	3.15E-02	2.34E-03	8.60E-01	1.04E-02	2.13E+00	1.18E-02	5.99E-01	9.94E-04	6.57E-02	2.15E-02	3.74E+00	
361.4	4247.2	4.47E-03	3.52E-02	3.40E-03	8.97E-01	1.73E-02	2.49E+00	2.21E-02	1.61E-01	1.35E-03	7.23E-02	9.83E-03	3.72E+00	
361.7	4248.3	3.09E-03	3.42E-02	3.13E-03	6.54E-01	4.47E-02	2.74E+00	1.62E-02	8.71E-02	1.28E-03	1.12E-01	1.05E-02	3.71E+00	
361.1	4249.7	4.63E-03	3.25E-02	4.04E-03	4.95E-01	1.10E-01	2.83E+00	9.67E-03	7.26E-02	1.51E-03	1.32E-01	1.09E-02	3.70E+00	
361.2	4247.1	4.34E-03	3.54E-02	3.36E-03	9.55E-01	1.43E-02	2.36E+00	1.86E-02	2.25E-01	1.34E-03	6.89E-02	1.20E-02	3.70E+00	
360.238	4247.099	7.20E-04	3.93E-02	1.74E-03	5.19E-01	9.77E-03	1.99E+00	6.33E-03	1.01E+00	9.37E-04	8.98E-02	2.88E-02	3.69E+00	
361.7	4248	1.43E-03	3.06E-02	2.45E-03	7.86E-01	3.55E-02	2.60E+00	1.88E-02	9.67E-02	1.03E-03	1.07E-01	1.07E-02	3.69E+00	
360.9	4247	1.90E-03	3.30E-02	2.84E-03	8.91E-01	1.06E-02	2.16E+00	1.35E-02	4.88E-01	1.16E-03	6.49E-02	1.84E-02	3.69E+00	
359.849	4249.506	1.53E-03	5.43E-02	3.41E-03	4.20E-01	9.31E-02	2.91E+00	6.84E-03	6.73E-02	1.47E-03	1.20E-01	9.82E-03	3.68E+00	
359.6	4249.4	1.20E-03	4.63E-02	2.95E-03	3.69E-01	6.30E-02	3.02E+00	6.50E-03	5.81E-02	1.27E-03	9.59E-02	8.01E-03	3.67E+00	
361.5	4247.4	3.50E-03	3.50E-02	3.31E-03	8.27E-01	2.10E-02	2.49E+00	2.07E-02	1.43E-01	1.32E-03	7.69E-02	9.37E-03	3.63E+00	
359.836	4249.56	1.47E-03	5.13E-02	3.25E-03	3.89E-01	8.39E-02	2.91E+00	6.35E-03	6.27E-02	1.40E-03	1.09E-01	8.96E-03	3.63E+00	
361.4	4249.2	5.88E-03	3.37E-02	3.85E-03	5.19E-01	9.53E-02	2.71E+00	1.04E-02	7.93E-02	1.47E-03	1.47E-01	1.22E-02	3.62E+00	
361.7	4248.4	3.73E-03	3.34E-02	3.25E-03	6.32E-01	4.64E-02	2.67E+00	1.53E-02	8.58E-02	1.31E-03	1.14E-01	1.07E-02	3.62E+00	
361.6	4247.8	1.61E-03	3.02E-02	2.47E-03	7.76E-01	3.23E-02	2.54E+00	1.85E-02	1.02E-01	1.03E-03	1.05E-01	1.08E-02	3.62E+00	
361.3	4249.4	5.42E-03	3.06E-02	3.71E-03	4.97E-01	1.06E-01	2.73E+00	9.57E-03	7.74E-02	1.39E-03	1.40E-01	1.17E-02	3.62E+00	
361.5	4247.3	5.32E-03	3.50E-02	3.61E-03	8.50E-01	1.90E-02	2.45E+00	2.15E-02	1.43E-01	1.41E-03	7.33E-02	9.20E-03	3.61E+00	
360.3	4249.9	1.49E-03	4.51E-02	3.40E-03	3.93E-01	8.38E-02	2.92E+00	7.42E-03	5.68E-02	1.38E-03	9.72E-02	8.15E-03	3.61E+00	
361	4247	4.26E-03	3.32E-02	3.43E-03	9.02E-01	1.10E-02	2.17E+00	1.50E-02	3.89E-01	1.35E-03	6.29E-02	1.58E-02	3.61E+00	
361.6	4248.9	5.84E-03	2.79E-02	3.32E-03	5.58E-01	7.05E-02	2.70E+00	1.33E-02	8.04E-02	1.27E-03	1.34E-01	1.15E-02	3.60E+00	
361.2	4249.6	5.24E-03	3.10E-02	3.84E-03	4.86E-01	1.14E-01	2.73E+00	9.40E-03	7.34E-02	1.44E-03	1.30E-01	1.08E-02	3.59E+00	
360.9	4250	3.08E-03	3.79E-02	3.69E-03	4.41E-01	7.94E-02	2.83E+00	8.57E-03	6.15E-02	1.43E-03	1.12E-01	9.40E-03	3.59E+00	
361.3	4247.1	3.39E-03	3.44E-02	3.15E-03	8.94E-01	1.50E-02	2.34E+00	1.86E-02	2.00E-01	1.27E-03	6.81E-02	1.09E-02	3.59E+00	
361.5	4247.5	2.39E-03	3.36E-02	2.90E-03	7.64E-01	2.34E-02	2.51E+00	1.99E-02	1.36E-01	1.18E-03	8.12E-02	9.49E-03	3.59E+00	
360.413	4246.998	4.24E-04	1.98E-02	1.36E-03	4.12E-01	7.56E-03	1.38E+00	5.77E-03	1.68E+00	5.95E-04	5.65E-02	1.47E-02	3.57E+00	
359.827	4249.617	1.42E-03	4.85E-02	3.11E-03	3.61E-01	7.59E-02	2.91E+00	5.91E-03	5.84E-02	1.33E-03	9.97E-02	8.22E-03	3.57E+00	
360.237	4246.998	6.25E-04	3.67E-02	1.69E-03	4.24E-01	8.69E-03	1.45E+00	5.41E-03	1.52E+00	8.94E-04	7.44E-02	4.14E-02	3.56E+00	
361.5	4247.6	2.19E-03	3.26E-02	2.77E-03	7.29E-01	2.67E-02	2.53E+00	2.00E-02	1.25E-01	1.13E-03	8.92E-02	9.81E-03	3.56E+00	
360.2	4249.9	1.41E-03	4.28E-02	3.25E-03	3.91E-01	8.48E-02	2.85E+00	6.92E-03	5.81E-02	1.31E-03	1.06E-01	8.74E-03	3.56E+00	
361.5	4249.1	6.66E-03	3.25E-02	3.97E-03	5.20E-01	8.26E-02	2.66E+00	1.10E-02	7.76E-02	1.50E-03	1.44E-01	1.21E-02	3.55E+00	
360.8	4250	2.57E-03	3.87E-02	3.48E-03	4.49E-01	8.69E-02	2.76E+00	8.58E-03	6.19E-02	1.37E-03	1.18E-01	9.80E-03	3.54E+00	
361	4249.9	3.82E-03	3.55E-02	4.02E-03	4.60E-01	8.43E-02	2.75E+00	9.05E-03	6.53E-02	1.52E-03	1.19E-01	9.94E-03	3.54E+00	
361.7	4248.5	3.98E-03	3.27E-02	3.44E-03	6.25E-01	4.88E-02	2.58E+00	1.46E-02	8.49E-02	1.36E-03	1.17E-01	1.08E-02	3.53E+00	
359.4	4247.8	6.42E-04	6.81E-02	2.90E-03	5.77E-01	1.83E-02	2.63E+00	8.98E-03	1.23E-01	1.56E-03	7.31E-02	9.40E-03	3.52E+00	
361.1	4247	4.65E-03	3.32E-02	3.31E-03	8.92E-01	1.17E-02	2.16E+00	1.57E-02	3.09E-01	1.31E-03	6.21E-02	1.36E-02	3.51E+00	
360.464	4246.838	4.04E-04	1.67E-02	1.24E-03	3.51E-01	7.03E-03	9.96E-01	5.20E-03	2.07E+00	5.27E-04	3.92E-02	1.02E-02	3.50E+00	
359.7	4249.5	1.29E-03	4.49E-02	2.91E-03	3.63E-01	7.01E-02	2.84E+00	6.22E-03	5.83E-02	1.25E-03	9.83E-02	8.16E-03	3.50E+00	
361.7	4248.7	4.21E-03	2.86E-02	3.24E-03	5.90E-01	5.18E-02	2.59E+00	1.40E-02	7.96E-02	1.25E-03	1.21E-01	1.07E-02	3.50E+00	
361.7	4248.6	4.12E-03	3.09E-02	3.47E-03	6.14E-01	5.04E-02	2.56E+00	1.43E-02	8.28E-02	1.35E-03	1.20E-01	1.08E-02	3.50E+00	
361.7	4247.9	1.40E-03	2.85E-02	2.34E-03	7.78E-01	3.24E-02	2.42E+00	1.81E-02	9.67E-02	9.76E-04	1.01E-01	1.03E-02	3.49E+00	
359.8	4249.5	1.46E-03	5.06E-02	3.22E-03	4.01E-01	8.53E-02	2.75E+00	6.65E-03	6.43E-02	1.38E-03	1.12E-01	9.28E-03	3.49E+00	
361.5	4247.2	5.81E-03	3.38E-02	3.60E-03	8.20E-01	1.73E-02	2.36E+00	2.08E-02	1.44E-01	1.40E-03	6.91E-02	9.05E-03	3.48E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
360.188	4249.929	1.39E-03	4.14E-02	3.17E-03	3.74E-01	7.90E-02	2.80E+00	6.64E-03	5.58E-02	1.27E-03	1.00E-01	8.27E-03	3.47E+00	
360.481	4247.029	4.17E-04	2.13E-02	1.53E-03	5.47E-01	8.20E-03	1.74E+00	7.05E-03	1.06E+00	6.59E-04	5.51E-02	1.82E-02	3.46E+00	
360.76	4246.934	7.97E-04	2.85E-02	2.09E-03	7.57E-01	9.66E-03	1.96E+00	1.03E-02	6.12E-01	8.92E-04	5.95E-02	2.01E-02	3.46E+00	
361.4	4247.1	3.44E-03	3.34E-02	3.11E-03	8.33E-01	1.54E-02	2.29E+00	1.90E-02	1.76E-01	1.25E-03	6.68E-02	9.93E-03	3.45E+00	
360.4	4250	1.56E-03	4.39E-02	3.35E-03	3.78E-01	7.00E-02	2.79E+00	7.21E-03	5.30E-02	1.37E-03	9.20E-02	7.79E-03	3.45E+00	
360.6	4250.1	1.87E-03	4.00E-02	3.31E-03	3.99E-01	8.15E-02	2.75E+00	7.42E-03	5.48E-02	1.33E-03	1.04E-01	8.67E-03	3.45E+00	
359.462	4247.632	5.07E-04	7.27E-02	2.67E-03	6.01E-01	1.48E-02	2.53E+00	1.07E-02	1.21E-01	1.62E-03	6.96E-02	9.88E-03	3.44E+00	
361.3	4249.5	5.93E-03	2.96E-02	4.04E-03	4.70E-01	1.03E-01	2.60E+00	9.10E-03	7.36E-02	1.48E-03	1.28E-01	1.08E-02	3.44E+00	
361.1	4249.8	4.13E-03	3.16E-02	3.71E-03	4.61E-01	9.12E-02	2.64E+00	9.16E-03	6.73E-02	1.41E-03	1.18E-01	9.87E-03	3.44E+00	
359.6	4249.2	1.23E-03	5.02E-02	3.08E-03	4.43E-01	6.95E-02	2.67E+00	7.95E-03	6.75E-02	1.33E-03	1.10E-01	9.36E-03	3.44E+00	
359.304	4248.825	1.01E-03	5.05E-02	2.75E-03	3.93E-01	3.64E-02	2.76E+00	6.52E-03	9.35E-02	1.31E-03	7.74E-02	7.97E-03	3.43E+00	
361.7	4247.8	1.73E-03	2.96E-02	2.44E-03	7.01E-01	2.98E-02	2.45E+00	1.62E-02	9.59E-02	1.01E-03	9.55E-02	9.71E-03	3.43E+00	
361.8	4248.1	1.76E-03	3.20E-02	2.55E-03	6.62E-01	3.51E-02	2.48E+00	1.67E-02	8.75E-02	1.08E-03	9.54E-02	9.34E-03	3.43E+00	
361.8	4248	1.44E-03	2.94E-02	2.36E-03	7.08E-01	3.24E-02	2.43E+00	1.65E-02	9.01E-02	9.96E-04	9.44E-02	9.44E-03	3.42E+00	
360.7	4250.1	2.11E-03	3.83E-02	3.36E-03	4.18E-01	7.92E-02	2.69E+00	7.80E-03	5.65E-02	1.33E-03	1.11E-01	9.25E-03	3.41E+00	
361.7	4248.8	3.95E-03	2.68E-02	2.88E-03	5.55E-01	5.54E-02	2.55E+00	1.35E-02	7.68E-02	1.12E-03	1.17E-01	1.03E-02	3.41E+00	
360.5	4250.1	1.68E-03	4.14E-02	3.28E-03	3.80E-01	7.80E-02	2.74E+00	7.08E-03	5.31E-02	1.33E-03	9.74E-02	8.11E-03	3.41E+00	
361.6	4249	6.15E-03	2.75E-02	3.46E-03	5.16E-01	7.15E-02	2.55E+00	1.19E-02	7.67E-02	1.31E-03	1.30E-01	1.12E-02	3.40E+00	
361.2	4247	3.59E-03	3.30E-02	3.09E-03	8.59E-01	1.26E-02	2.14E+00	1.60E-02	2.52E-01	1.24E-03	6.19E-02	1.21E-02	3.40E+00	
359.377	4247.814	6.21E-04	6.45E-02	2.80E-03	5.64E-01	1.82E-02	2.54E+00	8.72E-03	1.17E-01	1.48E-03	7.14E-02	9.15E-03	3.40E+00	
359.301	4248.574	8.14E-04	4.66E-02	2.29E-03	4.24E-01	3.23E-02	2.69E+00	6.32E-03	1.00E-01	1.16E-03	7.82E-02	8.39E-03	3.39E+00	
359.4	4247.7	5.59E-04	7.44E-02	2.87E-03	5.43E-01	1.61E-02	2.55E+00	9.47E-03	1.15E-01	1.67E-03	6.68E-02	9.11E-03	3.39E+00	
359.3	4248.7	9.33E-04	4.55E-02	2.44E-03	3.98E-01	3.45E-02	2.71E+00	6.20E-03	9.51E-02	1.17E-03	7.77E-02	8.22E-03	3.38E+00	
359.3	4248.6	8.25E-04	4.63E-02	2.29E-03	4.15E-01	3.28E-02	2.69E+00	6.23E-03	9.87E-02	1.15E-03	7.80E-02	8.33E-03	3.38E+00	
361.8	4248.2	2.57E-03	3.26E-02	2.84E-03	6.31E-01	3.67E-02	2.46E+00	1.59E-02	8.37E-02	1.17E-03	9.47E-02	9.22E-03	3.38E+00	
359.3	4248.9	9.73E-04	5.42E-02	2.73E-03	3.84E-01	3.66E-02	2.71E+00	6.54E-03	8.90E-02	1.36E-03	7.55E-02	7.60E-03	3.37E+00	
359.818	4249.667	1.37E-03	4.59E-02	2.98E-03	3.38E-01	6.93E-02	2.74E+00	5.56E-03	5.49E-02	1.27E-03	9.25E-02	7.63E-03	3.36E+00	
359.8	4249.6	1.38E-03	4.68E-02	3.02E-03	3.58E-01	7.41E-02	2.70E+00	5.90E-03	5.79E-02	1.29E-03	9.80E-02	8.11E-03	3.35E+00	
361.4	4249.3	4.90E-03	3.10E-02	3.42E-03	4.76E-01	8.93E-02	2.51E+00	9.56E-03	7.45E-02	1.32E-03	1.30E-01	1.09E-02	3.34E+00	
359.5	4249	1.08E-03	5.34E-02	2.96E-03	4.58E-01	5.61E-02	2.57E+00	7.97E-03	7.47E-02	1.36E-03	1.00E-01	8.97E-03	3.33E+00	
361.2	4249.7	4.68E-03	2.97E-02	3.55E-03	4.54E-01	9.68E-02	2.54E+00	8.93E-03	6.80E-02	1.34E-03	1.15E-01	9.70E-03	3.33E+00	
361.6	4247.7	1.83E-03	2.97E-02	2.48E-03	6.72E-01	2.88E-02	2.37E+00	1.74E-02	1.04E-01	1.02E-03	9.37E-02	9.74E-03	3.33E+00	
360.2	4250	1.35E-03	3.91E-02	3.05E-03	3.50E-01	7.08E-02	2.70E+00	6.33E-03	5.20E-02	1.21E-03	9.23E-02	7.66E-03	3.33E+00	
360.9	4246.9	1.76E-03	3.02E-02	2.69E-03	7.61E-01	9.46E-03	1.94E+00	1.11E-02	4.87E-01	1.09E-03	5.83E-02	1.73E-02	3.32E+00	
361.3	4247	4.72E-03	3.25E-02	3.33E-03	8.18E-01	1.33E-02	2.13E+00	1.62E-02	2.17E-01	1.31E-03	6.19E-02	1.12E-02	3.31E+00	
360.8	4246.9	8.94E-04	2.84E-02	2.15E-03	7.29E-01	9.34E-03	1.86E+00	9.94E-03	5.83E-01	9.08E-04	5.76E-02	1.84E-02	3.30E+00	
361.5	4247.1	4.73E-03	3.22E-02	3.33E-03	7.73E-01	1.57E-02	2.22E+00	1.88E-02	1.58E-01	1.30E-03	6.45E-02	9.10E-03	3.30E+00	
359.302	4248.014	4.90E-04	5.24E-02	2.38E-03	5.17E-01	1.89E-02	2.51E+00	9.19E-03	1.16E-01	1.23E-03	6.82E-02	8.28E-03	3.30E+00	
361	4250	3.32E-03	3.44E-02	3.49E-03	4.27E-01	7.21E-02	2.57E+00	8.41E-03	6.03E-02	1.35E-03	1.06E-01	8.97E-03	3.29E+00	
359.5	4249.1	1.10E-03	4.97E-02	2.91E-03	4.30E-01	5.62E-02	2.57E+00	7.51E-03	6.78E-02	1.30E-03	9.72E-02	8.53E-03	3.29E+00	
361.8	4248.3	3.44E-03	3.11E-02	3.07E-03	5.89E-01	3.79E-02	2.42E+00	1.46E-02	8.04E-02	1.23E-03	9.50E-02	9.10E-03	3.29E+00	
361.6	4247.3	4.17E-03	3.28E-02	3.32E-03	7.54E-01	1.84E-02	2.23E+00	1.87E-02	1.27E-01	1.30E-03	6.81E-02	8.35E-03	3.27E+00	
361.5	4249.2	5.68E-03	3.20E-02	3.68E-03	4.75E-01	7.70E-02	2.45E+00	9.83E-03	7.31E-02	1.40E-03	1.29E-01	1.08E-02	3.27E+00	
361	4246.9	3.65E-03	3.05E-02	3.28E-03	7.77E-01	9.79E-03	1.95E+00	1.25E-02	4.02E-01	1.27E-03	5.68E-02	1.52E-02	3.26E+00	
359.875	4249.736	1.39E-03	4.52E-02	2.97E-03	3.31E-01	6.87E-02	2.65E+00	5.45E-03	5.37E-02	1.26E-03	8.96E-02	7.40E-03	3.26E+00	
361.7	4248.9	4.45E-03	2.55E-02	2.87E-03	5.16E-01	5.74E-02	2.43E+00	1.26E-02	7.38E-02	1.11E-03	1.13E-01	9.87E-03	3.25E+00	
359.6	4249.5	1.14E-03	4.07E-02	2.68E-03	3.30E-01	5.79E-02	2.66E+00	5.80E-03	5.31E-02	1.14E-03	8.56E-02	7.16E-03	3.25E+00	
361.514	4247.077	4.30E-03	3.17E-02	3.21E-03	7.54E-01	1.53E-02	2.18E+00	1.81E-02	1.60E-01	1.26E-03	6.31E-02	9.03E-03	3.24E+00	33
361.8	4247.9	1.46E-03	2.75E-02	2.26E-03	7.01E-01	2.92E-02	2.27E+00	1.63E-02	8.96E-02	9.43E-04	9.12E-02	9.25E-03	3.24E+00	
361.6	4247.2	4.45E-03	3.24E-02	3.26E-03	7.49E-01	1.69E-02	2.20E+00	1.89E-02	1.31E-01	1.28E-03	6.49E-02	8.27E-03	3.23E+00	
361.6	4247.4	3.06E-03	3.21E-02	3.09E-03	7.09E-01	2.02E-02	2.24E+00	1.76E-02	1.28E-01	1.22E-03	7.10E-02	8.48E-03	3.23E+00	
361.3	4249.6	5.50E-03	2.86E-02	3.75E-03	4.43E-01	9.66E-02	2.45E+00	8.65E-03	6.91E-02	1.39E-03	1.15E-01	9.83E-03	3.23E+00	
360.18	4250.032	1.33E-03	3.79E-02	2.97E-03	3.32E-01	6.50E-02	2.64E+00	6.01E-03	4.96E-02	1.18E-03	8.66E-02	7.20E-03	3.23E+00	
361.6	4247.5	2.29E-03	3.07E-02	2.73E-03	6.51E-01	2.27E-02	2.28E+00	1.69E-02	1.25E-01	1.10E-03	7.55E-02	8.62E-03	3.22E+00	
361.4	4247	3.97E-03	3.17E-02	3.17E-03	7.74E-01	1.38E-02	2.11E+00	1.62E-02	1.90E-01	1.25E-03	6.13E-02	1.02E-02	3.22E+00	
360.9	4250.1	2.69E-03	3.57E-02	3.30E-03	4.08E-01	6.78E-02	2.53E+00	7.99E-03	5.64E-02	1.29E-03	9.90E-02	8.42E-03	3.22E+00	
360.6	4250.2	1.77E-03	3.78E-02	3.14E-03	3.71E-01	6.92E-02	2.57E+00	6.89E-03	5.04E-02	1.26E-03	9.54E-02	8.01E-03	3.21E+00	
361.1	4249.9	3.74E-03	3.09E-02	3.44E-03	4.31E-01	7.73E-02	2.46E+00	8.65E-03	6.26E-02	1.31E-03	1.07E-01	9.01E-03	3.20E+00	
360.3	4250	1.40E-03	4.10E-02	3.12E-03	3.51E-01	6.46E-02	2.59E+00	6.73E-03	5.03E-02	1.26E-03	8.29E-02	7.08E-03	3.20E+00	
361.1	4246.9	4.03E-03	3.07E-02	3.12E-03	7.79E-01	1.04E-02	1.95E+00	1.35E-02	3.35E-01	1.22E-03	5.57E-02	1.30E-02	3.19E+00	
361.8	4248.4	3.87E-03	3.03E-02	3.13E-03	5.60E-01	3.90E-02	2.35E+00	1.37E-02	7.81E-02	1.24E-03	9.73E-02	9.21E-03	3.19E+00	
360.8	4250.1	2.33E-03	3.65E-02	3.26E-03	4.13E-01	7.40E-02	2.48E+00	7.97E-03	5.65E-02	1.28E-03	1.04E-01	8.77E-03	3.19E+00	
361.6	4249.1	5.49E-03	2.83E-02	3.35E-03	4.76E-01	6.82E-02	2.39E+00	1.06E-02	7.20E-02	1.27E-03	1.23E-01	1.05E-02	3.19E+00	
359.261	4248.605	8.11E-04	4.38E-02	2.17E-03	3.99E-01	3.06E-02	2.52E+00	6.00E-03	9.62E-02	1.09E-03	7.35E-02	7.89E-03	3.18E+00	
360.4	4250.1	1.50E-03	4.07E-02	3.13E-03	3.49E-01	6.40E-02	2.55E+00	6.66E-03	4.92E-02	1.27E-03	8.44E-02	7.16E-03	3.15E+00	
360.7	4250.2	1.96E-03	3.62E-02	3.17E-03	3.85E-01	6.75E-02	2.49E+00	7.22E-03	5.16E-02	1.25E-03	9.86E-02	8.32E-03	3.15E+00	
361.6	4247.6	1.96E-03	2.90E-02	2.50E-03	6.26E-01	2.56E-02	2.24E+00	1.68E-02	1.15E-01	1.01E-03	8.28E-02	8.94E-03	3.15E+00	
360.5	4250.2	1.60E-03	3.89E-02	3.10E-03	3.51E-01	6.62E-02	2.53E+00	6.57E-03	4.87E-02	1.25E-03	8.86E-02	7.44E-03	3.15E+00	
361.4	4249.4	4.93E-03	2.88E-02	3.39E-03	4.42E-01	8.33E-02	2.38E+00	8.90E-03	7.07E-02	1.28E-03	1.17E-01	9.92E-03	3.15E+00	
359.8	4249.7	1.32E-03	4.31E-02	2.84E-03	3.20E-01	6.42E-02	2.56E+00	5.30E-03	5.21E-02	1.20E-03	8.61E-02	7.14E-03	3.15E+00	
361.8	4247.8	1.75E-03	2.76E-02	2.30E-03	6.32E-01	2.70E-02	2.24E+00	1.46E-02	8.91E-02	9.56E-04	8.57E-02	8.75E-03	3.13E+00	
361.2	4246.9	3.86E-03	3.08E-02	3.06E-03	7.74E-01	1.11E-02	1.94E+00	1.41E-02	2.75E-01	1.21E-03	5.59E-02	1.17E-02	3.12E+00	
361.6	4247.1	4.30E-03	3.11E-02	3.14E-03	7.14E-01	1.56E-02	2.12E+00	1.77E-02	1.43E-01	1.23E-03	6.15E-02	8.32E-03	3.12E+00	
361.5	4247	4.40E-03	3.07E-02	3.22E-03	7.24E-01	1.42E-02	2.07E+00	1.62E-02	1.70E-01	1.26E-03	6.00E-02	9.35E-03	3.11E+00	
361.9	4248	1.44E-03	2.79E-02	2.27E-03	6.38E-01	2.95E-02	2.21E+00	1.45E-02	8.30E-02	9.52E-04	8.34E-02	8.37E-03	3.10E+00	
359.329	4247.739	5.93E-04	6.10E-02	2.61E-03	4.89E-01	1.62E-02	2.35E+00	8.33E-03	1.01E-01	1.40E-03	6.09E-02	8.01E-03	3.10E+00	
361.8	4248.5	3.54E-03	2.98E-02	3.12E-03	5.50E-01	4.07E-02	2.27E+00	1.29E-02	7.65E-02	1.23E-03	9.92E-02	9.33E-03	3.10E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.4	4247.6	5.67E-04	6.58E-02	2.55E-03	5.38E-01	1.38E-02	2.29E+00	9.84E-03	1.06E-01	1.49E-03	6.12E-02	8.30E-03	3.09E+00	
361.2	4249.8	4.38E-03	2.86E-02	3.51E-03	4.25E-01	8.21E-02	2.36E+00	8.54E-03	6.35E-02	1.32E-03	1.03E-01	8.78E-03	3.09E+00	
361.8	4248.7	3.44E-03	2.65E-02	3.04E-03	5.34E-01	4.29E-02	2.28E+00	1.23E-02	7.16E-02	1.16E-03	1.03E-01	9.30E-03	3.09E+00	
360.548	4246.735	5.28E-04	1.67E-02	1.35E-03	4.39E-01	7.68E-03	1.10E+00	6.60E-03	1.47E+00	5.55E-04	3.99E-02	9.59E-03	3.09E+00	
360.235	4246.794	5.12E-04	2.71E-02	1.34E-03	3.04E-01	7.05E-03	9.46E-01	4.16E-03	1.67E+00	6.84E-04	3.98E-02	8.08E-02	3.09E+00	
361	4250.1	3.09E-03	3.35E-02	3.32E-03	3.97E-01	6.17E-02	2.42E+00	7.86E-03	5.57E-02	1.29E-03	9.49E-02	8.15E-03	3.08E+00	
359.26	4248.068	5.16E-04	5.04E-02	2.33E-03	5.03E-01	1.90E-02	2.31E+00	8.24E-03	1.07E-01	1.20E-03	6.74E-02	7.92E-03	3.08E+00	
361.9	4248.1	1.86E-03	3.00E-02	2.46E-03	5.98E-01	3.10E-02	2.22E+00	1.46E-02	8.20E-02	1.03E-03	8.34E-02	8.26E-03	3.08E+00	
359.5	4249.4	1.04E-03	3.92E-02	2.54E-03	3.31E-01	5.12E-02	2.50E+00	5.93E-03	5.34E-02	1.08E-03	8.10E-02	6.92E-03	3.08E+00	
361.7	4247.7	1.77E-03	2.82E-02	2.35E-03	6.06E-01	2.72E-02	2.20E+00	1.51E-02	9.86E-02	9.65E-04	8.67E-02	8.97E-03	3.07E+00	
361.8	4248.6	3.02E-03	2.84E-02	2.99E-03	5.45E-01	4.18E-02	2.25E+00	1.25E-02	7.43E-02	1.17E-03	1.02E-01	9.35E-03	3.07E+00	
360.2	4250.1	1.30E-03	3.62E-02	2.87E-03	3.18E-01	6.01E-02	2.51E+00	5.83E-03	4.71E-02	1.14E-03	8.16E-02	6.84E-03	3.07E+00	
360.9	4250.2	2.58E-03	3.49E-02	3.33E-03	3.80E-01	5.83E-02	2.43E+00	7.48E-03	5.20E-02	1.29E-03	8.88E-02	7.61E-03	3.07E+00	
359.806	4249.729	1.31E-03	4.22E-02	2.80E-03	3.12E-01	6.22E-02	2.50E+00	5.17E-03	5.09E-02	1.18E-03	8.34E-02	6.92E-03	3.07E+00	
361.7	4249	4.52E-03	2.45E-02	2.85E-03	4.80E-01	5.85E-02	2.29E+00	1.15E-02	7.11E-02	1.09E-03	1.10E-01	9.67E-03	3.06E+00	
359.258	4248.295	6.05E-04	3.97E-02	1.97E-03	4.99E-01	2.44E-02	2.32E+00	7.32E-03	9.30E-02	9.92E-04	6.98E-02	7.71E-03	3.06E+00	
361.8	4248.8	3.39E-03	2.48E-02	2.77E-03	5.10E-01	4.59E-02	2.28E+00	1.21E-02	6.92E-02	1.06E-03	1.01E-01	8.99E-03	3.05E+00	
361.3	4246.9	5.31E-03	3.06E-02	3.36E-03	7.54E-01	1.19E-02	1.93E+00	1.43E-02	2.28E-01	1.30E-03	5.64E-02	1.07E-02	3.05E+00	
360.473	4246.934	3.99E-04	1.87E-02	1.37E-03	4.29E-01	7.39E-03	1.25E+00	6.05E-03	1.27E+00	5.83E-04	4.73E-02	1.25E-02	3.04E+00	
361.4	4249.5	5.37E-03	2.73E-02	3.57E-03	4.18E-01	7.95E-02	2.29E+00	8.39E-03	6.77E-02	1.32E-03	1.08E-01	9.29E-03	3.02E+00	
361.9	4248.2	2.53E-03	3.00E-02	2.61E-03	5.71E-01	3.19E-02	2.19E+00	1.43E-02	7.91E-02	1.08E-03	8.17E-02	8.08E-03	3.01E+00	
361.3	4249.7	5.13E-03	2.76E-02	3.55E-03	4.17E-01	8.56E-02	2.29E+00	8.25E-03	6.44E-02	1.32E-03	1.03E-01	8.85E-03	3.01E+00	
361.1	4250	3.48E-03	3.03E-02	3.27E-03	4.04E-01	6.62E-02	2.33E+00	8.11E-03	5.84E-02	1.25E-03	9.71E-02	8.30E-03	3.01E+00	
360.404	4246.9	4.07E-04	1.78E-02	1.23E-03	3.28E-01	6.87E-03	1.03E+00	4.93E-03	1.56E+00	5.35E-04	4.83E-02	1.24E-02	3.01E+00	
359.7	4249.6	1.21E-03	4.02E-02	2.67E-03	3.23E-01	6.21E-02	2.41E+00	5.51E-03	5.27E-02	1.13E-03	8.57E-02	7.16E-03	3.00E+00	
361.5	4249.3	5.03E-03	3.03E-02	3.46E-03	4.33E-01	7.17E-02	2.25E+00	8.95E-03	6.89E-02	1.31E-03	1.15E-01	9.68E-03	2.99E+00	
360.754	4246.831	7.25E-04	2.49E-02	1.86E-03	6.37E-01	8.70E-03	1.67E+00	8.80E-03	5.74E-01	7.87E-04	5.13E-02	1.63E-02	2.99E+00	
359.4	4249	9.83E-04	4.80E-02	2.65E-03	4.06E-01	4.51E-02	2.31E+00	7.05E-03	7.59E-02	1.23E-03	8.42E-02	7.83E-03	2.98E+00	
359.86	4249.794	1.33E-03	4.16E-02	2.79E-03	3.07E-01	6.15E-02	2.43E+00	5.10E-03	4.99E-02	1.17E-03	8.11E-02	6.74E-03	2.98E+00	
361.9	4247.9	1.46E-03	2.63E-02	2.16E-03	6.30E-01	2.68E-02	2.10E+00	1.45E-02	8.18E-02	9.03E-04	8.13E-02	8.26E-03	2.97E+00	
361.4	4246.9	4.63E-03	3.01E-02	3.20E-03	7.17E-01	1.25E-02	1.93E+00	1.41E-02	1.95E-01	1.24E-03	5.63E-02	9.89E-03	2.97E+00	
360.8	4250.2	2.15E-03	3.48E-02	3.12E-03	3.83E-01	6.33E-02	2.32E+00	7.44E-03	5.19E-02	1.22E-03	9.34E-02	7.94E-03	2.97E+00	
361.6	4249.2	5.79E-03	2.89E-02	3.59E-03	4.38E-01	6.32E-02	2.23E+00	9.47E-03	6.79E-02	1.34E-03	1.13E-01	9.68E-03	2.97E+00	
359.4	4249.3	9.77E-04	3.91E-02	2.43E-03	3.28E-01	4.35E-02	2.41E+00	5.78E-03	5.42E-02	1.06E-03	7.49E-02	6.54E-03	2.97E+00	
361.6	4247	4.82E-03	2.98E-02	3.24E-03	6.73E-01	1.44E-02	2.00E+00	1.60E-02	1.55E-01	1.25E-03	5.81E-02	8.54E-03	2.97E+00	
359.21	4248.621	8.13E-04	4.08E-02	2.06E-03	3.79E-01	2.82E-02	2.33E+00	5.71E-03	9.32E-02	1.02E-03	6.83E-02	7.37E-03	2.96E+00	
361.7	4247.2	3.26E-03	3.07E-02	2.90E-03	6.75E-01	1.64E-02	2.02E+00	1.66E-02	1.19E-01	1.15E-03	6.04E-02	7.56E-03	2.96E+00	
360.6	4250.3	1.66E-03	3.58E-02	2.96E-03	3.41E-01	5.97E-02	2.37E+00	6.37E-03	4.63E-02	1.19E-03	8.50E-02	7.21E-03	2.95E+00	
359.429	4247.54	6.03E-04	5.80E-02	2.28E-03	5.64E-01	1.26E-02	2.14E+00	9.89E-03	1.01E-01	1.33E-03	6.06E-02	7.62E-03	2.95E+00	
361.8	4248.9	3.31E-03	2.36E-02	2.54E-03	4.81E-01	4.75E-02	2.21E+00	1.16E-02	6.69E-02	9.86E-04	9.70E-02	8.60E-03	2.95E+00	
360.5	4250.3	1.53E-03	3.68E-02	2.95E-03	3.28E-01	5.71E-02	2.38E+00	6.12E-03	4.51E-02	1.19E-03	8.27E-02	7.00E-03	2.95E+00	
361.7	4247.3	2.66E-03	3.03E-02	2.79E-03	6.60E-01	1.77E-02	2.03E+00	1.58E-02	1.15E-01	1.11E-03	6.34E-02	7.61E-03	2.94E+00	
361.9	4248.3	2.64E-03	2.84E-02	2.60E-03	5.37E-01	3.25E-02	2.16E+00	1.32E-02	7.57E-02	1.06E-03	8.20E-02	7.95E-03	2.94E+00	
360.7	4250.3	1.85E-03	3.44E-02	3.01E-03	3.57E-01	5.86E-02	2.32E+00	6.71E-03	4.76E-02	1.19E-03	8.86E-02	7.53E-03	2.93E+00	
360.4	4250.2	1.44E-03	3.79E-02	2.95E-03	3.24E-01	5.86E-02	2.36E+00	6.19E-03	4.59E-02	1.19E-03	7.80E-02	6.63E-03	2.92E+00	
361.7	4247.5	1.99E-03	2.82E-02	2.47E-03	5.64E-01	2.19E-02	2.09E+00	1.48E-02	1.16E-01	9.96E-04	7.12E-02	7.99E-03	2.92E+00	
361.7	4247.4	2.47E-03	2.94E-02	2.74E-03	6.10E-01	1.96E-02	2.05E+00	1.51E-02	1.17E-01	1.09E-03	6.68E-02	7.78E-03	2.92E+00	
361.7	4247.1	4.27E-03	3.01E-02	3.07E-03	6.58E-01	1.53E-02	1.99E+00	1.65E-02	1.29E-01	1.20E-03	5.79E-02	7.62E-03	2.91E+00	
361.5	4246.9	4.56E-03	2.94E-02	3.17E-03	6.76E-01	1.29E-02	1.92E+00	1.41E-02	1.72E-01	1.23E-03	5.58E-02	9.30E-03	2.90E+00	
359.5	4249.2	1.07E-03	4.36E-02	2.69E-03	3.91E-01	5.53E-02	2.23E+00	7.02E-03	6.17E-02	1.17E-03	9.15E-02	7.95E-03	2.89E+00	
360.091	4250.02	1.32E-03	3.71E-02	2.88E-03	3.05E-01	5.89E-02	2.35E+00	5.41E-03	4.71E-02	1.15E-03	7.75E-02	6.50E-03	2.89E+00	
361.1	4246.8	3.40E-03	2.83E-02	2.94E-03	6.87E-01	9.29E-03	1.77E+00	1.17E-02	3.21E-01	1.15E-03	5.09E-02	1.25E-02	2.89E+00	
359.5	4249.5	1.02E-03	3.68E-02	2.46E-03	3.01E-01	4.79E-02	2.37E+00	5.37E-03	4.90E-02	1.04E-03	7.43E-02	6.31E-03	2.89E+00	
361	4246.8	2.97E-03	2.81E-02	3.06E-03	6.76E-01	8.82E-03	1.72E+00	1.07E-02	3.71E-01	1.19E-03	5.15E-02	1.37E-02	2.89E+00	
360.9	4246.8	1.49E-03	2.75E-02	2.47E-03	6.46E-01	8.57E-03	1.70E+00	9.45E-03	4.33E-01	9.97E-04	5.11E-02	1.48E-02	2.89E+00	
361.2	4249.9	3.95E-03	2.77E-02	3.32E-03	4.01E-01	7.06E-02	2.21E+00	8.13E-03	5.95E-02	1.25E-03	9.41E-02	8.07E-03	2.89E+00	
361.4	4249.6	5.64E-03	2.64E-02	3.72E-03	3.98E-01	7.74E-02	2.19E+00	7.95E-03	6.47E-02	1.35E-03	1.01E-01	8.71E-03	2.89E+00	
360.8	4246.8	8.47E-04	2.54E-02	1.96E-03	6.11E-01	8.46E-03	1.63E+00	8.64E-03	5.28E-01	8.20E-04	4.97E-02	1.55E-02	2.88E+00	
360.3	4250.1	1.34E-03	3.77E-02	2.89E-03	3.20E-01	5.57E-02	2.33E+00	6.18E-03	4.61E-02	1.17E-03	7.46E-02	6.43E-03	2.88E+00	
361.8	4247.7	1.85E-03	2.72E-02	2.28E-03	5.41E-01	2.53E-02	2.09E+00	1.32E-02	9.18E-02	9.39E-04	7.79E-02	8.14E-03	2.88E+00	
361.7	4249.1	4.45E-03	2.45E-02	2.84E-03	4.45E-01	5.69E-02	2.15E+00	1.03E-02	6.74E-02	1.08E-03	1.05E-01	9.22E-03	2.88E+00	
361	4250.2	3.11E-03	3.29E-02	3.53E-03	3.70E-01	5.36E-02	2.26E+00	7.34E-03	5.16E-02	1.33E-03	8.50E-02	7.39E-03	2.87E+00	
361.2	4246.8	4.35E-03	2.86E-02	3.09E-03	6.91E-01	9.95E-03	1.78E+00	1.23E-02	2.67E-01	1.20E-03	5.08E-02	1.14E-02	2.86E+00	
361.9	4248.4	2.98E-03	2.74E-02	2.67E-03	5.06E-01	3.31E-02	2.11E+00	1.24E-02	7.29E-02	1.07E-03	8.39E-02	8.02E-03	2.86E+00	
361.7	4247.6	1.74E-03	2.69E-02	2.30E-03	5.51E-01	2.45E-02	2.03E+00	1.46E-02	1.06E-01	9.32E-04	7.73E-02	8.31E-03	2.85E+00	
359.7	4249.7	1.16E-03	3.77E-02	2.54E-03	2.90E-01	5.46E-02	2.32E+00	4.91E-03	4.76E-02	1.07E-03	7.63E-02	6.38E-03	2.84E+00	
361.1	4250.1	3.50E-03	3.01E-02	3.42E-03	3.79E-01	5.69E-02	2.21E+00	7.61E-03	5.44E-02	1.29E-03	8.84E-02	7.65E-03	2.84E+00	
360.9	4250.3	2.42E-03	3.36E-02	3.23E-03	3.54E-01	5.11E-02	2.25E+00	7.03E-03	4.82E-02	1.25E-03	8.04E-02	6.96E-03	2.84E+00	
359.281	4247.665	6.39E-04	5.89E-02	2.58E-03	4.51E-01	1.44E-02	2.14E+00	8.14E-03	8.87E-02	1.38E-03	5.48E-02	7.35E-03	2.83E+00	
360.5	4246.7	4.91E-04	1.52E-02	1.21E-03	3.44E-01	7.25E-03	9.10E-01	5.61E-03	1.50E+00	4.97E-04	3.42E-02	8.41E-03	2.83E+00	
361.9	4247.8	1.71E-03	2.56E-02	2.15E-03	5.69E-01	2.44E-02	2.02E+00	1.30E-02	8.16E-02	8.93E-04	7.65E-02	7.87E-03	2.82E+00	
359.175	4248.58	7.67E-04	3.80E-02	1.89E-03	3.79E-01	2.61E-02	2.20E+00	5.73E-03	9.13E-02	9.49E-04	6.49E-02	7.06E-03	2.82E+00	
361.7	4247	4.94E-03	2.89E-02	3.17E-03	6.28E-01	1.43E-02	1.91E+00	1.54E-02	1.40E-01	1.22E-03	5.54E-02	7.78E-03	2.81E+00	
360.455	4246.743	4.20E-04	1.51E-02	1.14E-03	2.84E-01	6.32E-03	8.29E-01	4.53E-03	1.63E+00	4.78E-04	3.08E-02	8.87E-03	2.81E+00	
359.2	4248.3	6.11E-04	3.63E-02	1.91E-03	4.61E-01	2.26E-02	2.12E+00	6.81E-03	8.69E-02	9.31E-04	6.37E-02	7.00E-03	2.81E+00	
361.3	4249.8	5.00E-03	2.67E-02	3.66E-03	3.93E-01	7.43E-02	2.13E+00	7.89E-03	6.03E-02	1.34E-03	9.23E-02	8.04E-03	2.81E+00	
361.3	4246.8	5.48E-03	2.88E-02	3.34E-03	6.85E-01	1.07E-02	1.77E+00	1.25E-02	2.25E-01	1.28E-03	5.14E-02	1.03E-02	2.81E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.5	4249.3	1.05E-03	4.00E-02	2.56E-03	3.61E-01	5.36E-02	2.19E+00	6.49E-03	5.74E-02	1.09E-03	8.60E-02	7.43E-03	2.80E+00	
361.6	4246.9	5.09E-03	2.85E-02	3.26E-03	6.36E-01	1.32E-02	1.88E+00	1.42E-02	1.55E-01	1.25E-03	5.47E-02	8.64E-03	2.80E+00	
362	4248	1.35E-03	2.60E-02	2.10E-03	5.75E-01	2.66E-02	2.00E+00	1.29E-02	7.59E-02	8.81E-04	7.36E-02	7.42E-03	2.80E+00	
360.8	4250.3	2.03E-03	3.34E-02	3.01E-03	3.58E-01	5.53E-02	2.20E+00	6.97E-03	4.81E-02	1.18E-03	8.52E-02	7.30E-03	2.80E+00	
361.8	4249	3.32E-03	2.26E-02	2.46E-03	4.51E-01	4.86E-02	2.09E+00	1.10E-02	6.49E-02	9.52E-04	9.46E-02	8.42E-03	2.80E+00	
359.8	4249.8	1.26E-03	3.87E-02	2.63E-03	2.87E-01	5.58E-02	2.27E+00	4.81E-03	4.70E-02	1.10E-03	7.51E-02	6.28E-03	2.79E+00	
359.2	4248	4.01E-04	4.17E-02	1.88E-03	4.35E-01	1.65E-02	2.12E+00	7.83E-03	9.09E-02	9.87E-04	5.69E-02	7.04E-03	2.78E+00	
361.5	4249.4	4.52E-03	2.78E-02	3.20E-03	3.96E-01	6.63E-02	2.09E+00	8.24E-03	6.50E-02	1.21E-03	1.02E-01	8.69E-03	2.78E+00	
359.183	4248.344	6.28E-04	3.38E-02	1.78E-03	4.43E-01	2.28E-02	2.11E+00	6.72E-03	8.53E-02	8.72E-04	6.29E-02	6.97E-03	2.78E+00	
359.4	4249.1	9.85E-04	4.27E-02	2.54E-03	3.81E-01	4.51E-02	2.14E+00	6.60E-03	6.59E-02	1.13E-03	8.10E-02	7.35E-03	2.77E+00	
359.3	4247.6	6.65E-04	6.02E-02	2.56E-03	4.59E-01	1.33E-02	2.07E+00	8.53E-03	8.95E-02	1.41E-03	5.33E-02	6.81E-03	2.77E+00	
362	4248.1	1.60E-03	2.77E-02	2.21E-03	5.42E-01	2.71E-02	2.00E+00	1.30E-02	7.58E-02	9.30E-04	7.32E-02	7.33E-03	2.77E+00	
359.2	4248.1	4.83E-04	4.49E-02	2.07E-03	4.64E-01	1.84E-02	2.06E+00	7.22E-03	9.60E-02	1.08E-03	6.29E-02	7.36E-03	2.77E+00	
360.2	4250.2	1.26E-03	3.34E-02	2.68E-03	2.90E-01	5.17E-02	2.26E+00	5.36E-03	4.29E-02	1.06E-03	7.23E-02	6.13E-03	2.77E+00	
359.213	4247.902	4.55E-04	4.67E-02	2.11E-03	4.50E-01	1.56E-02	2.09E+00	7.08E-03	8.51E-02	1.09E-03	5.72E-02	7.07E-03	2.76E+00	
361.9	4248.5	3.01E-03	2.73E-02	2.78E-03	4.90E-01	3.44E-02	2.03E+00	1.18E-02	7.06E-02	1.10E-03	8.49E-02	8.13E-03	2.76E+00	
359.248	4247.823	4.59E-04	5.16E-02	2.22E-03	4.59E-01	1.57E-02	2.06E+00	7.24E-03	9.01E-02	1.18E-03	5.78E-02	7.28E-03	2.76E+00	
361.4	4246.8	5.34E-03	2.86E-02	3.26E-03	6.65E-01	1.13E-02	1.77E+00	1.26E-02	1.90E-01	1.25E-03	5.18E-02	9.43E-03	2.74E+00	
359.197	4248.226	5.66E-04	4.14E-02	2.07E-03	4.62E-01	2.10E-02	2.05E+00	6.56E-03	8.88E-02	1.04E-03	6.20E-02	6.74E-03	2.74E+00	
361.9	4248.8	3.15E-03	2.31E-02	2.72E-03	4.67E-01	3.83E-02	2.03E+00	1.06E-02	6.32E-02	1.03E-03	8.74E-02	7.90E-03	2.74E+00	
359.2	4248.2	5.52E-04	4.26E-02	2.10E-03	4.65E-01	2.05E-02	2.04E+00	6.56E-03	9.05E-02	1.06E-03	6.24E-02	6.82E-03	2.74E+00	
361.9	4248.7	2.92E-03	2.48E-02	2.75E-03	4.77E-01	3.59E-02	2.02E+00	1.09E-02	6.55E-02	1.06E-03	8.81E-02	8.09E-03	2.73E+00	
361.2	4250	3.73E-03	2.70E-02	3.27E-03	3.78E-01	6.04E-02	2.10E+00	7.74E-03	5.59E-02	1.22E-03	8.67E-02	7.51E-03	2.73E+00	
359.4	4249.2	9.81E-04	3.98E-02	2.45E-03	3.54E-01	4.47E-02	2.13E+00	6.18E-03	5.91E-02	1.07E-03	7.78E-02	6.93E-03	2.73E+00	
361.4	4249.7	5.15E-03	2.57E-02	3.38E-03	3.79E-01	7.40E-02	2.07E+00	7.57E-03	6.12E-02	1.25E-03	9.18E-02	8.03E-03	2.72E+00	
362	4247.9	1.47E-03	2.49E-02	2.08E-03	5.65E-01	2.49E-02	1.93E+00	1.30E-02	7.47E-02	8.65E-04	7.23E-02	7.37E-03	2.72E+00	
361.9	4248.6	2.63E-03	2.63E-02	2.68E-03	4.81E-01	3.50E-02	2.00E+00	1.13E-02	6.81E-02	1.05E-03	8.68E-02	8.14E-03	2.72E+00	
361.6	4249.3	5.38E-03	2.81E-02	3.52E-03	3.97E-01	5.83E-02	2.04E+00	8.60E-03	6.38E-02	1.31E-03	1.02E-01	8.73E-03	2.72E+00	
359.894	4247.019	2.03E-03	2.96E-02	1.80E-03	4.90E-01	7.99E-03	1.63E+00	6.05E-03	4.67E-01	8.38E-04	6.13E-02	1.62E-02	2.72E+00	
360.4	4250.3	1.38E-03	3.54E-02	2.77E-03	3.02E-01	5.25E-02	2.19E+00	5.76E-03	4.28E-02	1.12E-03	7.21E-02	6.16E-03	2.71E+00	
359.196	4248.17	5.31E-04	4.26E-02	2.07E-03	4.63E-01	1.97E-02	2.01E+00	6.60E-03	9.19E-02	1.05E-03	6.26E-02	6.95E-03	2.71E+00	
359.3	4249	9.25E-04	4.51E-02	2.44E-03	3.62E-01	3.68E-02	2.09E+00	6.35E-03	7.88E-02	1.16E-03	7.14E-02	7.01E-03	2.71E+00	
361.8	4247.1	3.83E-03	2.88E-02	2.92E-03	6.05E-01	1.47E-02	1.85E+00	1.50E-02	1.19E-01	1.14E-03	5.40E-02	7.00E-03	2.70E+00	
361.7	4249.2	5.25E-03	2.51E-02	3.18E-03	4.08E-01	5.31E-02	2.02E+00	9.24E-03	6.35E-02	1.18E-03	9.83E-02	8.58E-03	2.70E+00	
360.5	4250.4	1.45E-03	3.45E-02	2.77E-03	3.03E-01	4.96E-02	2.18E+00	5.69E-03	4.16E-02	1.12E-03	7.42E-02	6.34E-03	2.70E+00	
362	4248.2	1.95E-03	2.77E-02	2.23E-03	5.15E-01	2.77E-02	1.95E+00	1.31E-02	7.41E-02	9.39E-04	7.14E-02	7.16E-03	2.70E+00	
359.3	4249.2	9.22E-04	3.74E-02	2.28E-03	3.19E-01	3.65E-02	2.15E+00	5.52E-03	5.93E-02	1.01E-03	6.71E-02	6.13E-03	2.69E+00	
361.8	4247.2	3.01E-03	2.85E-02	2.78E-03	6.02E-01	1.58E-02	1.84E+00	1.43E-02	1.10E-01	1.09E-03	5.62E-02	6.92E-03	2.68E+00	
361.5	4246.8	4.99E-03	2.81E-02	3.17E-03	6.36E-01	1.18E-02	1.76E+00	1.26E-02	1.61E-01	1.22E-03	5.18E-02	8.84E-03	2.68E+00	
361.9	4248.9	3.09E-03	2.20E-02	2.54E-03	4.47E-01	3.97E-02	2.00E+00	1.05E-02	6.08E-02	9.67E-04	8.43E-02	7.58E-03	2.68E+00	
361.7	4246.9	4.51E-03	2.77E-02	3.07E-03	5.96E-01	1.33E-02	1.82E+00	1.39E-02	1.38E-01	1.18E-03	5.28E-02	7.94E-03	2.68E+00	
359.178	4247.981	4.01E-04	4.04E-02	1.84E-03	4.20E-01	1.58E-02	2.05E+00	7.49E-03	8.37E-02	9.59E-04	5.44E-02	6.69E-03	2.68E+00	
361	4250.3	2.99E-03	3.19E-02	3.53E-03	3.45E-01	4.70E-02	2.11E+00	6.87E-03	4.79E-02	1.32E-03	7.68E-02	6.76E-03	2.68E+00	
360.6	4250.4	1.56E-03	3.36E-02	2.75E-03	3.10E-01	5.06E-02	2.15E+00	5.87E-03	4.21E-02	1.11E-03	7.32E-02	6.30E-03	2.67E+00	
359.4	4247.5	6.68E-04	4.92E-02	2.06E-03	5.15E-01	1.17E-02	1.94E+00	9.30E-03	8.30E-02	1.17E-03	5.50E-02	6.52E-03	2.67E+00	
360.1	4250.1	1.28E-03	3.45E-02	2.71E-03	2.85E-01	5.22E-02	2.17E+00	5.14E-03	4.39E-02	1.08E-03	7.07E-02	5.99E-03	2.67E+00	
359.4	4249.4	9.49E-04	3.47E-02	2.27E-03	3.01E-01	4.19E-02	2.16E+00	5.36E-03	4.99E-02	9.66E-04	6.97E-02	6.07E-03	2.67E+00	
359.6	4249.6	1.06E-03	3.49E-02	2.38E-03	2.93E-01	5.22E-02	2.15E+00	5.16E-03	4.83E-02	1.00E-03	7.48E-02	6.32E-03	2.67E+00	
361.1	4250.2	3.52E-03	2.97E-02	3.63E-03	3.55E-01	4.99E-02	2.08E+00	7.09E-03	5.07E-02	1.33E-03	8.04E-02	7.06E-03	2.67E+00	
360.3	4250.2	1.30E-03	3.50E-02	2.71E-03	2.98E-01	5.19E-02	2.15E+00	5.73E-03	4.31E-02	1.09E-03	6.90E-02	5.95E-03	2.66E+00	
361.8	4247	4.60E-03	2.82E-02	3.02E-03	5.84E-01	1.39E-02	1.81E+00	1.45E-02	1.30E-01	1.16E-03	5.19E-02	7.12E-03	2.65E+00	
360.003	4250.007	1.30E-03	3.64E-02	2.71E-03	2.82E-01	5.41E-02	2.15E+00	4.93E-03	4.47E-02	1.09E-03	7.05E-02	5.95E-03	2.65E+00	
360.9	4250.4	2.28E-03	3.22E-02	3.12E-03	3.31E-01	4.49E-02	2.10E+00	6.62E-03	4.48E-02	1.20E-03	7.36E-02	6.42E-03	2.65E+00	
361.5	4249.5	4.69E-03	2.57E-02	3.21E-03	3.70E-01	6.26E-02	2.01E+00	7.68E-03	6.20E-02	1.19E-03	9.23E-02	7.99E-03	2.64E+00	
359.3	4249.3	9.39E-04	3.69E-02	2.32E-03	2.99E-01	3.59E-02	2.14E+00	5.17E-03	5.27E-02	1.02E-03	6.47E-02	5.80E-03	2.64E+00	
360.4	4246.8	4.08E-04	1.62E-02	1.13E-03	2.69E-01	6.27E-03	8.35E-01	4.25E-03	1.46E+00	4.87E-04	3.38E-02	1.18E-02	2.64E+00	
362	4248.3	2.08E-03	2.61E-02	2.24E-03	4.90E-01	2.81E-02	1.93E+00	1.22E-02	7.16E-02	9.24E-04	7.18E-02	7.05E-03	2.64E+00	
361.8	4247.3	2.12E-03	2.73E-02	2.46E-03	5.66E-01	1.71E-02	1.83E+00	1.32E-02	1.05E-01	9.82E-04	5.89E-02	6.91E-03	2.63E+00	
361.8	4247.5	1.90E-03	2.59E-02	2.29E-03	4.86E-01	2.08E-02	1.90E+00	1.24E-02	1.01E-01	9.20E-04	6.61E-02	7.36E-03	2.63E+00	
361.3	4249.9	4.34E-03	2.57E-02	3.31E-03	3.72E-01	6.34E-02	2.00E+00	7.56E-03	5.67E-02	1.22E-03	8.39E-02	7.36E-03	2.63E+00	
361.8	4249.1	3.41E-03	2.20E-02	2.44E-03	4.21E-01	4.81E-02	1.96E+00	1.01E-02	6.25E-02	9.37E-04	9.14E-02	8.17E-03	2.63E+00	
361.6	4246.8	4.09E-03	2.74E-02	2.97E-03	6.01E-01	1.21E-02	1.75E+00	1.26E-02	1.41E-01	1.15E-03	5.12E-02	8.28E-03	2.61E+00	
361.8	4247.4	2.29E-03	2.66E-02	2.51E-03	5.19E-01	1.88E-02	1.86E+00	1.26E-02	1.02E-01	9.90E-04	6.23E-02	7.11E-03	2.61E+00	
360.6	4246.7	5.87E-04	1.70E-02	1.39E-03	4.48E-01	7.54E-03	1.13E+00	6.87E-03	9.44E-01	5.68E-04	3.87E-02	9.52E-03	2.61E+00	
359.84	4249.884	1.25E-03	3.67E-02	2.53E-03	2.74E-01	5.23E-02	2.11E+00	4.62E-03	4.47E-02	1.06E-03	7.00E-02	5.88E-03	2.61E+00	
360.8	4250.4	1.90E-03	3.16E-02	2.84E-03	3.35E-01	4.86E-02	2.05E+00	6.55E-03	4.46E-02	1.11E-03	7.81E-02	6.74E-03	2.60E+00	
361.8	4247.6	1.70E-03	2.53E-02	2.16E-03	4.85E-01	2.31E-02	1.86E+00	1.26E-02	9.60E-02	8.77E-04	7.02E-02	7.64E-03	2.59E+00	
361.2	4246.7	4.64E-03	2.67E-02	3.12E-03	6.14E-01	8.97E-03	1.62E+00	1.08E-02	2.38E-01	1.19E-03	4.63E-02	1.06E-02	2.58E+00	
361.2	4250.1	3.82E-03	2.66E-02	3.56E-03	3.56E-01	5.27E-02	1.99E+00	7.31E-03	5.25E-02	1.30E-03	7.97E-02	6.97E-03	2.58E+00	
360.648	4246.731	6.00E-04	1.88E-02	1.50E-03	4.99E-01	7.84E-03	1.27E+00	7.51E-03	7.18E-01	6.18E-04	4.19E-02	1.14E-02	2.58E+00	
361.3	4246.7	5.25E-03	2.71E-02	3.24E-03	6.17E-01	9.62E-03	1.63E+00	1.11E-02	2.12E-01	1.23E-03	4.68E-02	9.86E-03	2.58E+00	
361.1	4246.7	3.76E-03	2.63E-02	3.07E-03	6.10E-01	8.41E-03	1.58E+00	1.01E-02	2.75E-01	1.17E-03	4.65E-02	1.14E-02	2.57E+00	
362	4248.4	2.75E-03	2.51E-02	2.45E-03	4.62E-01	2.85E-02	1.89E+00	1.14E-02	6.88E-02	9.76E-04	7.33E-02	7.09E-03	2.57E+00	
359.5	4249.6	9.60E-04	3.24E-02	2.23E-03	2.70E-01	4.39E-02	2.10E+00	4.82E-03	4.47E-02	9.33E-04	6.64E-02	5.65E-03	2.57E+00	
362	4247.8	1.66E-03	2.40E-02	2.04E-03	5.14E-01	2.25E-02	1.84E+00	1.17E-02	7.48E-02	8.42E-04	6.90E-02	7.11E-03	2.57E+00	
361.4	4249.8	4.97E-03	2.49E-02	3.31E-03	3.62E-01	6.69E-02	1.95E+00	7.20E-03	5.77E-02	1.22E-03	8.38E-02	7.43E-03	2.57E+00	
359.6	4249.7	1.01E-03	3.29E-02	2.28E-03	2.64E-01	4.63E-02	2.10E+00	4.60E-03	4.38E-02	9.58E-04	6.75E-02	5.70E-03	2.57E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
361.5	4249.6	5.39E-03	2.45E-02	3.52E-03	3.55E-01	6.12E-02	1.95E+00	7.26E-03	5.98E-02	1.27E-03	8.63E-02	7.57E-03	2.56E+00	
361.9	4249	3.26E-03	2.12E-02	2.52E-03	4.23E-01	4.05E-02	1.91E+00	1.03E-02	5.89E-02	9.56E-04	8.18E-02	7.39E-03	2.56E+00	
359.233	4247.589	6.91E-04	5.56E-02	2.48E-03	4.18E-01	1.27E-02	1.93E+00	7.71E-03	7.86E-02	1.33E-03	4.87E-02	5.96E-03	2.56E+00	
360.7	4250.4	1.68E-03	3.19E-02	2.71E-03	3.16E-01	4.46E-02	2.04E+00	6.12E-03	4.21E-02	1.08E-03	7.10E-02	6.19E-03	2.56E+00	
361.4	4246.7	4.49E-03	2.71E-02	3.05E-03	6.15E-01	1.02E-02	1.64E+00	1.14E-02	1.88E-01	1.17E-03	4.77E-02	9.24E-03	2.56E+00	
359.2	4247.8	4.26E-04	4.78E-02	2.05E-03	4.19E-01	1.47E-02	1.92E+00	6.76E-03	8.51E-02	1.10E-03	5.26E-02	6.76E-03	2.55E+00	
361.8	4246.9	3.74E-03	2.70E-02	2.79E-03	5.57E-01	1.31E-02	1.74E+00	1.33E-02	1.24E-01	1.08E-03	5.02E-02	7.26E-03	2.54E+00	
359.201	4247.714	4.72E-04	4.79E-02	2.08E-03	4.06E-01	1.41E-02	1.92E+00	6.96E-03	8.18E-02	1.11E-03	5.02E-02	6.67E-03	2.54E+00	
360.749	4246.728	7.39E-04	2.16E-02	1.70E-03	5.22E-01	7.88E-03	1.41E+00	7.84E-03	5.11E-01	7.06E-04	4.27E-02	1.28E-02	2.54E+00	
359.4	4249.5	9.22E-04	3.25E-02	2.18E-03	2.75E-01	3.98E-02	2.06E+00	4.93E-03	4.57E-02	9.18E-04	6.46E-02	5.59E-03	2.53E+00	
361.9	4247.7	1.73E-03	2.45E-02	2.07E-03	4.82E-01	2.28E-02	1.83E+00	1.13E-02	8.34E-02	8.52E-04	6.92E-02	7.29E-03	2.53E+00	
359.1	4248.7	8.69E-04	3.57E-02	1.96E-03	3.28E-01	2.44E-02	1.98E+00	5.04E-03	8.64E-02	9.29E-04	5.84E-02	6.35E-03	2.53E+00	
362.1	4248	1.49E-03	2.46E-02	2.09E-03	5.18E-01	2.37E-02	1.80E+00	1.15E-02	6.87E-02	8.61E-04	6.54E-02	6.64E-03	2.53E+00	
359.1	4248.8	8.66E-04	3.59E-02	1.99E-03	3.16E-01	2.53E-02	1.99E+00	5.00E-03	8.35E-02	9.35E-04	5.78E-02	6.26E-03	2.52E+00	
359.107	4248.394	6.21E-04	3.09E-02	1.62E-03	3.97E-01	2.12E-02	1.92E+00	6.20E-03	7.92E-02	7.99E-04	5.72E-02	6.31E-03	2.52E+00	
361.7	4246.8	3.33E-03	2.66E-02	2.75E-03	5.63E-01	1.23E-02	1.71E+00	1.25E-02	1.26E-01	1.07E-03	5.01E-02	7.79E-03	2.52E+00	
359.7	4249.8	1.10E-03	3.39E-02	2.35E-03	2.60E-01	4.80E-02	2.05E+00	4.43E-03	4.32E-02	9.81E-04	6.71E-02	5.65E-03	2.51E+00	
360.3	4250.3	1.27E-03	3.26E-02	2.56E-03	2.84E-01	4.99E-02	2.02E+00	5.39E-03	4.11E-02	1.03E-03	6.74E-02	5.78E-03	2.51E+00	
361.5	4246.7	3.80E-03	2.69E-02	2.87E-03	5.97E-01	1.08E-02	1.64E+00	1.14E-02	1.63E-01	1.11E-03	4.81E-02	8.52E-03	2.51E+00	
361	4246.7	2.91E-03	2.59E-02	2.96E-03	5.91E-01	8.03E-03	1.49E+00	9.04E-03	3.12E-01	1.13E-03	4.58E-02	1.14E-02	2.50E+00	
361.1	4250.3	3.33E-03	2.88E-02	3.53E-03	3.32E-01	4.30E-02	1.96E+00	6.60E-03	4.72E-02	1.29E-03	7.32E-02	6.51E-03	2.50E+00	
360.6	4250.5	1.50E-03	3.19E-02	2.60E-03	2.89E-01	4.41E-02	2.01E+00	5.49E-03	3.91E-02	1.05E-03	6.69E-02	5.79E-03	2.50E+00	
359.1	4248.9	8.66E-04	3.63E-02	2.00E-03	3.07E-01	2.57E-02	1.98E+00	5.11E-03	8.02E-02	9.45E-04	5.60E-02	6.10E-03	2.50E+00	
359.292	4247.507	6.78E-04	5.15E-02	2.21E-03	4.37E-01	1.15E-02	1.86E+00	7.59E-03	6.70E-02	1.22E-03	4.79E-02	5.49E-03	2.49E+00	
362.1	4248.1	1.67E-03	2.59E-02	2.13E-03	4.93E-01	2.39E-02	1.79E+00	1.16E-02	6.92E-02	8.90E-04	6.44E-02	6.52E-03	2.49E+00	
361	4250.4	2.76E-03	3.06E-02	3.34E-03	3.20E-01	4.08E-02	1.97E+00	6.44E-03	4.44E-02	1.25E-03	6.89E-02	6.13E-03	2.49E+00	
362	4248.5	2.90E-03	2.50E-02	2.61E-03	4.43E-01	2.95E-02	1.83E+00	1.08E-02	6.63E-02	1.02E-03	7.37E-02	7.18E-03	2.49E+00	
360.2	4250.3	1.24E-03	3.08E-02	2.52E-03	2.67E-01	4.51E-02	2.02E+00	4.92E-03	3.94E-02	9.94E-04	6.46E-02	5.54E-03	2.49E+00	
361.7	4249.3	5.10E-03	2.49E-02	3.24E-03	3.70E-01	4.86E-02	1.87E+00	8.31E-03	5.95E-02	1.19E-03	8.92E-02	7.81E-03	2.49E+00	
360.383	4246.773	4.12E-04	1.60E-02	1.09E-03	2.48E-01	6.07E-03	7.86E-01	3.99E-03	1.38E+00	4.77E-04	3.08E-02	1.18E-02	2.48E+00	
361.9	4247.1	3.30E-03	2.71E-02	2.74E-03	5.49E-01	1.42E-02	1.70E+00	1.32E-02	1.10E-01	1.07E-03	5.03E-02	6.43E-03	2.48E+00	
361.6	4249.4	4.73E-03	2.63E-02	3.26E-03	3.60E-01	5.35E-02	1.86E+00	7.73E-03	5.98E-02	1.21E-03	8.97E-02	7.76E-03	2.48E+00	
359.792	4247.004	1.65E-03	2.50E-02	1.40E-03	5.13E-01	7.55E-03	1.51E+00	6.26E-03	3.42E-01	6.71E-04	5.30E-02	1.43E-02	2.48E+00	
362.1	4247.9	1.65E-03	2.38E-02	2.10E-03	5.07E-01	2.29E-02	1.77E+00	1.16E-02	6.85E-02	8.58E-04	6.47E-02	6.63E-03	2.48E+00	
361.9	4247	3.99E-03	2.72E-02	2.82E-03	5.42E-01	1.33E-02	1.70E+00	1.33E-02	1.18E-01	1.09E-03	4.86E-02	6.53E-03	2.47E+00	
360.9	4250.5	2.15E-03	3.07E-02	2.98E-03	3.11E-01	4.01E-02	1.96E+00	6.24E-03	4.19E-02	1.14E-03	6.78E-02	5.96E-03	2.47E+00	
361.5	4249.7	5.05E-03	2.37E-02	3.26E-03	3.42E-01	5.96E-02	1.88E+00	6.90E-03	5.76E-02	1.19E-03	8.09E-02	7.17E-03	2.47E+00	
361.8	4249.2	4.12E-03	2.20E-02	2.66E-03	3.87E-01	4.52E-02	1.84E+00	9.14E-03	5.93E-02	9.97E-04	8.59E-02	7.67E-03	2.47E+00	
359.3	4249.4	9.11E-04	3.36E-02	2.20E-03	2.77E-01	3.47E-02	2.00E+00	4.85E-03	4.77E-02	9.42E-04	6.09E-02	5.40E-03	2.47E+00	
361.2	4250.2	3.74E-03	2.63E-02	3.71E-03	3.35E-01	4.67E-02	1.91E+00	6.82E-03	4.94E-02	1.33E-03	7.36E-02	6.52E-03	2.46E+00	
359.914	4249.995	1.27E-03	3.50E-02	2.53E-03	2.64E-01	4.92E-02	1.99E+00	4.55E-03	4.25E-02	1.04E-03	6.52E-02	5.52E-03	2.46E+00	
360.5	4250.5	1.37E-03	3.22E-02	2.56E-03	2.76E-01	4.27E-02	1.99E+00	5.25E-03	3.80E-02	1.04E-03	6.40E-02	5.54E-03	2.45E+00	
359.8	4249.9	1.20E-03	3.47E-02	2.42E-03	2.59E-01	4.82E-02	1.99E+00	4.40E-03	4.26E-02	1.00E-03	6.56E-02	5.54E-03	2.45E+00	
361.6	4246.7	3.53E-03	2.63E-02	2.78E-03	5.68E-01	1.11E-02	1.63E+00	1.14E-02	1.42E-01	1.08E-03	4.78E-02	7.94E-03	2.45E+00	
361.3	4250	3.99E-03	2.47E-02	3.21E-03	3.50E-01	5.39E-02	1.87E+00	7.28E-03	5.32E-02	1.18E-03	7.63E-02	6.75E-03	2.45E+00	
362	4248.8	2.82E-03	2.18E-02	2.53E-03	4.23E-01	3.26E-02	1.81E+00	9.56E-03	5.91E-02	9.60E-04	7.60E-02	7.00E-03	2.45E+00	
359.079	4248.449	6.47E-04	3.11E-02	1.59E-03	3.67E-01	2.10E-02	1.88E+00	5.91E-03	7.71E-02	7.95E-04	5.53E-02	6.07E-03	2.45E+00	
360.9	4246.7	1.53E-03	2.49E-02	2.35E-03	5.50E-01	7.82E-03	1.43E+00	8.03E-03	3.60E-01	9.34E-04	4.37E-02	1.14E-02	2.44E+00	
359.1	4248.3	5.82E-04	3.17E-02	1.76E-03	4.08E-01	1.97E-02	1.84E+00	6.06E-03	7.86E-02	8.35E-04	5.44E-02	5.97E-03	2.44E+00	
359.067	4248.643	8.34E-04	3.49E-02	1.85E-03	3.34E-01	2.26E-02	1.89E+00	5.08E-03	8.32E-02	8.97E-04	5.62E-02	6.17E-03	2.44E+00	
362	4248.6	2.33E-03	2.45E-02	2.45E-03	4.31E-01	2.97E-02	1.79E+00	1.02E-02	6.37E-02	9.64E-04	7.49E-02	7.19E-03	2.44E+00	
360.8	4250.5	1.80E-03	3.00E-02	2.69E-03	3.14E-01	4.31E-02	1.92E+00	6.16E-03	4.16E-02	1.05E-03	7.15E-02	6.21E-03	2.44E+00	
362	4248.7	2.46E-03	2.33E-02	2.45E-03	4.25E-01	3.05E-02	1.80E+00	9.79E-03	6.14E-02	9.51E-04	7.61E-02	7.12E-03	2.44E+00	
360.8	4246.7	8.57E-04	2.23E-02	1.82E-03	5.13E-01	7.71E-03	1.38E+00	7.62E-03	4.45E-01	7.49E-04	4.15E-02	1.17E-02	2.44E+00	
360.4	4250.4	1.31E-03	3.28E-02	2.55E-03	2.73E-01	3.99E-02	1.97E+00	5.27E-03	3.82E-02	1.04E-03	6.11E-02	5.36E-03	2.43E+00	
362	4248.9	2.90E-03	2.06E-02	2.47E-03	4.12E-01	3.37E-02	1.81E+00	9.39E-03	5.66E-02	9.32E-04	7.43E-02	6.76E-03	2.43E+00	
362.1	4248.2	1.79E-03	2.56E-02	2.05E-03	4.67E-01	2.42E-02	1.75E+00	1.18E-02	6.88E-02	8.63E-04	6.29E-02	6.37E-03	2.42E+00	
359.832	4249.938	1.22E-03	3.44E-02	2.42E-03	2.58E-01	4.77E-02	1.96E+00	4.39E-03	4.22E-02	1.00E-03	6.46E-02	5.46E-03	2.42E+00	
360.7	4246.7	6.74E-04	1.93E-02	1.55E-03	4.85E-01	7.65E-03	1.29E+00	7.45E-03	5.58E-01	6.39E-04	4.00E-02	1.13E-02	2.42E+00	
361.9	4247.2	2.44E-03	2.61E-02	2.50E-03	5.26E-01	1.52E-02	1.67E+00	1.22E-02	9.87E-02	9.82E-04	5.20E-02	6.30E-03	2.41E+00	
361.9	4249.1	2.93E-03	2.05E-02	2.33E-03	3.99E-01	4.09E-02	1.79E+00	9.78E-03	5.71E-02	8.88E-04	8.02E-02	7.28E-03	2.41E+00	
361.8	4246.8	3.02E-03	2.59E-02	2.60E-03	5.30E-01	1.23E-02	1.65E+00	1.22E-02	1.14E-01	1.01E-03	4.83E-02	7.25E-03	2.41E+00	
361.991	4248.954	2.81E-03	2.03E-02	2.40E-03	4.06E-01	3.44E-02	1.80E+00	9.39E-03	5.55E-02	9.07E-04	7.36E-02	6.68E-03	2.41E+00	37
361.4	4249.9	4.59E-03	2.40E-02	3.17E-03	3.44E-01	5.83E-02	1.83E+00	6.93E-03	5.44E-02	1.17E-03	7.63E-02	6.83E-03	2.41E+00	
360.1	4250.2	1.22E-03	3.16E-02	2.49E-03	2.61E-01	4.49E-02	1.95E+00	4.76E-03	4.02E-02	9.91E-04	6.28E-02	5.39E-03	2.40E+00	
361.9	4246.9	3.16E-03	2.64E-02	2.56E-03	5.22E-01	1.26E-02	1.65E+00	1.28E-02	1.11E-01	1.00E-03	4.72E-02	6.61E-03	2.40E+00	
360.6	4250.6	1.47E-03	3.05E-02	2.50E-03	2.76E-01	4.05E-02	1.92E+00	5.20E-03	3.72E-02	1.01E-03	6.48E-02	5.60E-03	2.38E+00	
362.1	4248.3	1.85E-03	2.41E-02	2.02E-03	4.49E-01	2.43E-02	1.73E+00	1.11E-02	6.72E-02	8.36E-04	6.36E-02	6.32E-03	2.38E+00	
361.7	4246.7	3.52E-03	2.57E-02	2.75E-03	5.36E-01	1.14E-02	1.61E+00	1.13E-02	1.24E-01	1.06E-03	4.72E-02	7.52E-03	2.38E+00	
360	4250.1	1.25E-03	3.31E-02	2.51E-03	2.58E-01	4.67E-02	1.92E+00	4.59E-03	4.10E-02	1.01E-03	6.24E-02	5.34E-03	2.38E+00	
360.7	4250.5	1.59E-03	3.03E-02	2.54E-03	2.93E-01	3.63E-02	1.90E+00	5.71E-03	3.88E-02	1.01E-03	6.37E-02	5.62E-03	2.38E+00	
359.1	4248.2	4.88E-04	3.62E-02	1.76E-03	4.06E-01	1.82E-02	1.76E+00	5.80E-03	8.04E-02	8.97E-04	5.46E-02	6.13E-03	2.37E+00	
359.077	4248.504	6.74E-04	3.15E-02	1.58E-03	3.50E-01	2.16E-02	1.82E+00	5.72E-03	7.81E-02	7.97E-04	5.49E-02	6.03E-03	2.37E+00	
359.396	4247.448	8.03E-04	3.95E-02	1.85E-03	4.60E-01	1.07E-02	1.72E+00	9.00E-03	7.11E-02	9.91E-04	4.93E-02	5.74E-03	2.37E+00	
359.3	4249.1	9.11E-04	3.78E-02	2.25E-03	3.38E-01	3.67E-02	1.80E+00	5.93E-03	6.78E-02	1.01E-03	6.84E-02	6.50E-03	2.36E+00	
362.1	4247.8	1.69E-03	2.30E-02	2.00E-03	4.67E-01	2.11E-02	1.70E+00	1.06E-02	6.98E-02	8.21E-04	6.26E-02	6.46E-03	2.36E+00	
360.3	4250.4	1.25E-03	3.05E-02	2.44E-03	2.68E-01	4.32E-02	1.90E+00	5.03E-03	3.83E-02	9.77E-04	6.43E-02	5.55E-03	2.36E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.1	4247.9	4.44E-04	3.88E-02	1.85E-03	3.89E-01	1.37E-02	1.78E+00	6.17E-03	7.09E-02	9.33E-04	4.92E-02	5.97E-03	2.36E+00	
361.4	4246.6	4.15E-03	2.56E-02	2.92E-03	5.61E-01	9.33E-03	1.52E+00	1.02E-02	1.67E-01	1.12E-03	4.38E-02	8.78E-03	2.36E+00	
361.3	4246.6	4.69E-03	2.53E-02	3.06E-03	5.58E-01	8.73E-03	1.50E+00	9.98E-03	1.90E-01	1.16E-03	4.29E-02	9.24E-03	2.35E+00	
362	4247.7	1.75E-03	2.28E-02	1.99E-03	4.36E-01	2.05E-02	1.70E+00	9.97E-03	7.62E-02	8.11E-04	6.31E-02	6.62E-03	2.34E+00	
361.5	4246.6	4.13E-03	2.57E-02	2.89E-03	5.55E-01	9.88E-03	1.53E+00	1.03E-02	1.52E-01	1.11E-03	4.45E-02	8.24E-03	2.34E+00	
361.9	4247.3	1.86E-03	2.44E-02	2.21E-03	4.81E-01	1.63E-02	1.65E+00	1.11E-02	9.17E-02	8.78E-04	5.38E-02	6.20E-03	2.34E+00	
362	4249	2.63E-03	1.98E-02	2.30E-03	3.94E-01	3.42E-02	1.74E+00	9.15E-03	5.41E-02	8.73E-04	7.16E-02	6.52E-03	2.34E+00	
361.5	4249.8	4.60E-03	2.29E-02	2.96E-03	3.28E-01	5.58E-02	1.78E+00	6.53E-03	5.51E-02	1.10E-03	7.49E-02	6.72E-03	2.34E+00	
362.1	4248.4	2.54E-03	2.31E-02	2.24E-03	4.26E-01	2.47E-02	1.71E+00	1.04E-02	6.49E-02	8.93E-04	6.47E-02	6.31E-03	2.33E+00	
361.2	4246.6	3.77E-03	2.49E-02	2.87E-03	5.51E-01	8.15E-03	1.46E+00	9.55E-03	2.16E-01	1.09E-03	4.24E-02	9.61E-03	2.33E+00	
361.2	4250.3	3.38E-03	2.55E-02	3.35E-03	3.14E-01	3.99E-02	1.81E+00	6.35E-03	4.60E-02	1.22E-03	6.76E-02	6.04E-03	2.33E+00	
361.6	4249.5	4.18E-03	2.43E-02	2.97E-03	3.32E-01	5.02E-02	1.76E+00	7.05E-03	5.68E-02	1.11E-03	8.02E-02	7.01E-03	2.33E+00	
360.9	4250.6	2.04E-03	2.93E-02	2.86E-03	2.94E-01	3.62E-02	1.84E+00	5.90E-03	3.94E-02	1.09E-03	6.33E-02	5.59E-03	2.32E+00	
359.4	4249.6	8.90E-04	2.96E-02	2.06E-03	2.49E-01	3.72E-02	1.89E+00	4.50E-03	4.18E-02	8.55E-04	5.87E-02	5.07E-03	2.32E+00	
359.2	4249.3	8.83E-04	3.27E-02	2.08E-03	2.70E-01	2.99E-02	1.86E+00	4.68E-03	5.24E-02	9.12E-04	5.57E-02	5.16E-03	2.31E+00	
361.9	4247.4	1.88E-03	2.36E-02	2.16E-03	4.40E-01	1.77E-02	1.67E+00	1.05E-02	8.68E-02	8.57E-04	5.62E-02	6.31E-03	2.31E+00	
361.6	4246.6	4.05E-03	2.53E-02	2.84E-03	5.39E-01	1.03E-02	1.53E+00	1.05E-02	1.37E-01	1.09E-03	4.47E-02	7.73E-03	2.31E+00	
361.1	4250.4	3.05E-03	2.75E-02	3.28E-03	3.06E-01	3.68E-02	1.81E+00	6.14E-03	4.36E-02	1.20E-03	6.51E-02	5.86E-03	2.31E+00	
359.5	4249.7	9.09E-04	2.92E-02	2.07E-03	2.42E-01	3.95E-02	1.88E+00	4.32E-03	4.06E-02	8.59E-04	5.96E-02	5.09E-03	2.31E+00	
361	4250.5	2.60E-03	2.95E-02	3.24E-03	2.99E-01	3.63E-02	1.82E+00	6.04E-03	4.14E-02	1.20E-03	6.23E-02	5.59E-03	2.31E+00	
361.9	4246.8	3.20E-03	2.54E-02	2.57E-03	5.02E-01	1.20E-02	1.59E+00	1.18E-02	1.04E-01	9.96E-04	4.58E-02	6.69E-03	2.30E+00	
359.1	4248	3.84E-04	3.55E-02	1.64E-03	3.80E-01	1.48E-02	1.74E+00	6.97E-03	7.18E-02	8.53E-04	4.88E-02	5.94E-03	2.30E+00	
361.9	4247.6	1.65E-03	2.31E-02	2.01E-03	4.25E-01	2.11E-02	1.66E+00	1.05E-02	8.54E-02	8.12E-04	6.26E-02	6.83E-03	2.30E+00	
361.8	4249.3	4.05E-03	2.20E-02	2.68E-03	3.53E-01	4.16E-02	1.72E+00	8.12E-03	5.59E-02	9.94E-04	7.90E-02	7.05E-03	2.30E+00	
359.1	4248.1	4.14E-04	3.47E-02	1.63E-03	3.95E-01	1.64E-02	1.70E+00	6.48E-03	8.08E-02	8.44E-04	5.35E-02	6.52E-03	2.30E+00	
361.8	4246.7	3.68E-03	2.50E-02	2.76E-03	5.05E-01	1.15E-02	1.57E+00	1.11E-02	1.12E-01	1.06E-03	4.60E-02	7.06E-03	2.29E+00	
361.3	4250.1	4.02E-03	2.39E-02	3.54E-03	3.30E-01	4.72E-02	1.75E+00	6.93E-03	5.00E-02	1.27E-03	6.97E-02	6.23E-03	2.29E+00	
362	4247	2.84E-03	2.59E-02	2.48E-03	5.00E-01	1.28E-02	1.57E+00	1.22E-02	1.08E-01	9.74E-04	4.54E-02	5.97E-03	2.29E+00	
360.7	4250.6	1.55E-03	2.91E-02	2.45E-03	2.81E-01	3.80E-02	1.82E+00	5.44E-03	3.74E-02	9.78E-04	6.22E-02	5.44E-03	2.29E+00	
360.8	4250.6	1.71E-03	2.85E-02	2.54E-03	2.94E-01	3.89E-02	1.80E+00	5.81E-03	3.90E-02	9.94E-04	6.58E-02	5.75E-03	2.28E+00	
362.2	4248	1.86E-03	2.30E-02	2.16E-03	4.68E-01	2.10E-02	1.63E+00	1.04E-02	6.26E-02	8.67E-04	5.83E-02	5.97E-03	2.28E+00	
359.6	4249.8	9.59E-04	2.99E-02	2.14E-03	2.37E-01	4.11E-02	1.86E+00	4.12E-03	3.98E-02	8.88E-04	6.02E-02	5.11E-03	2.28E+00	
359.3	4249.5	8.74E-04	3.01E-02	2.04E-03	2.54E-01	3.33E-02	1.85E+00	4.53E-03	4.34E-02	8.60E-04	5.67E-02	5.00E-03	2.28E+00	
361.9	4249.2	2.77E-03	1.99E-02	2.20E-03	3.71E-01	3.92E-02	1.69E+00	9.04E-03	5.47E-02	8.41E-04	7.66E-02	6.96E-03	2.27E+00	
361.9	4247.5	1.73E-03	2.29E-02	2.06E-03	4.19E-01	1.93E-02	1.65E+00	1.04E-02	8.66E-02	8.20E-04	5.90E-02	6.55E-03	2.27E+00	
360.337	4246.747	4.45E-04	1.74E-02	1.10E-03	2.40E-01	6.85E-03	7.72E-01	3.93E-03	1.18E+00	4.98E-04	3.07E-02	1.40E-02	2.27E+00	
361.6	4249.6	4.63E-03	2.29E-02	3.13E-03	3.17E-01	4.87E-02	1.73E+00	6.63E-03	5.49E-02	1.14E-03	7.46E-02	6.60E-03	2.27E+00	
362.1	4248.5	2.69E-03	2.30E-02	2.38E-03	4.07E-01	2.55E-02	1.66E+00	9.82E-03	6.27E-02	9.32E-04	6.48E-02	6.37E-03	2.26E+00	
359.118	4247.685	4.23E-04	4.25E-02	1.85E-03	3.66E-01	1.28E-02	1.71E+00	6.44E-03	7.21E-02	9.91E-04	4.51E-02	5.84E-03	2.26E+00	
360.4	4250.5	1.26E-03	3.06E-02	2.40E-03	2.55E-01	3.53E-02	1.84E+00	4.93E-03	3.55E-02	9.74E-04	5.60E-02	4.95E-03	2.26E+00	
359	4248.6	7.51E-04	3.23E-02	1.66E-03	3.21E-01	2.01E-02	1.75E+00	5.09E-03	7.53E-02	8.21E-04	5.12E-02	5.63E-03	2.26E+00	
362.2	4248.1	2.07E-03	2.42E-02	2.21E-03	4.51E-01	2.11E-02	1.62E+00	1.03E-02	6.31E-02	8.95E-04	5.70E-02	5.84E-03	2.26E+00	
362	4246.9	2.67E-03	2.56E-02	2.37E-03	4.90E-01	1.21E-02	1.56E+00	1.20E-02	9.99E-02	9.37E-04	4.42E-02	6.07E-03	2.26E+00	
361.7	4249.4	4.88E-03	2.40E-02	3.23E-03	3.34E-01	4.42E-02	1.70E+00	7.40E-03	5.55E-02	1.17E-03	7.91E-02	6.97E-03	2.26E+00	
359.1	4247.8	3.72E-04	3.97E-02	1.74E-03	3.65E-01	1.31E-02	1.70E+00	6.03E-03	7.44E-02	9.26E-04	4.61E-02	5.91E-03	2.25E+00	
361.7	4246.6	4.01E-03	2.48E-02	2.80E-03	5.12E-01	1.05E-02	1.51E+00	1.04E-02	1.21E-01	1.07E-03	4.43E-02	7.24E-03	2.25E+00	
362.2	4247.9	1.79E-03	2.24E-02	2.09E-03	4.56E-01	2.08E-02	1.61E+00	1.04E-02	6.34E-02	8.41E-04	5.79E-02	5.97E-03	2.25E+00	
361.1	4246.6	2.82E-03	2.44E-02	2.70E-03	5.36E-01	7.68E-03	1.38E+00	8.73E-03	2.38E-01	1.04E-03	4.16E-02	9.55E-03	2.25E+00	
362	4247.1	2.44E-03	2.51E-02	2.41E-03	4.89E-01	1.35E-02	1.55E+00	1.16E-02	1.02E-01	9.47E-04	4.65E-02	5.86E-03	2.25E+00	
359	4248.7	8.43E-04	3.24E-02	1.80E-03	3.06E-01	2.09E-02	1.74E+00	4.70E-03	7.87E-02	8.48E-04	5.16E-02	5.70E-03	2.24E+00	
360.5	4250.6	1.32E-03	3.00E-02	2.38E-03	2.55E-01	3.45E-02	1.81E+00	4.89E-03	3.48E-02	9.67E-04	5.67E-02	4.99E-03	2.24E+00	
360.2	4250.4	1.20E-03	2.83E-02	2.33E-03	2.45E-01	3.89E-02	1.81E+00	4.53E-03	3.62E-02	9.19E-04	5.76E-02	5.00E-03	2.23E+00	
359	4248.8	8.75E-04	3.22E-02	1.91E-03	2.91E-01	2.16E-02	1.74E+00	4.56E-03	7.94E-02	8.69E-04	5.09E-02	5.60E-03	2.23E+00	
359.7	4249.9	1.05E-03	3.08E-02	2.20E-03	2.35E-01	4.19E-02	1.80E+00	4.03E-03	3.93E-02	9.08E-04	5.90E-02	5.02E-03	2.22E+00	
361.4	4250	4.30E-03	2.31E-02	3.13E-03	3.25E-01	5.04E-02	1.68E+00	6.72E-03	5.10E-02	1.15E-03	6.87E-02	6.22E-03	2.22E+00	
361.6	4249.7	5.07E-03	2.20E-02	3.32E-03	3.07E-01	4.73E-02	1.69E+00	6.28E-03	5.35E-02	1.19E-03	7.05E-02	6.32E-03	2.22E+00	
359.1	4249	8.55E-04	3.57E-02	1.96E-03	2.92E-01	2.57E-02	1.72E+00	5.12E-03	7.52E-02	9.31E-04	5.32E-02	5.74E-03	2.21E+00	
362.1	4248.6	2.10E-03	2.27E-02	2.25E-03	3.93E-01	2.55E-02	1.63E+00	9.32E-03	6.03E-02	8.84E-04	6.56E-02	6.41E-03	2.21E+00	
362	4249.1	2.46E-03	1.91E-02	2.18E-03	3.73E-01	3.51E-02	1.63E+00	8.86E-03	5.20E-02	8.28E-04	6.96E-02	6.40E-03	2.20E+00	
361.9	4246.7	3.83E-03	2.44E-02	2.74E-03	4.79E-01	1.14E-02	1.51E+00	1.08E-02	1.02E-01	1.04E-03	4.43E-02	6.62E-03	2.20E+00	
362.1	4248.7	2.04E-03	2.20E-02	2.20E-03	3.83E-01	2.62E-02	1.62E+00	8.98E-03	5.82E-02	8.63E-04	6.63E-02	6.34E-03	2.20E+00	
362.2	4248.2	2.11E-03	2.42E-02	2.11E-03	4.26E-01	2.14E-02	1.58E+00	1.06E-02	6.35E-02	8.63E-04	5.60E-02	5.75E-03	2.20E+00	
362.1	4248.8	2.57E-03	2.07E-02	2.34E-03	3.79E-01	2.79E-02	1.63E+00	8.81E-03	5.63E-02	8.94E-04	6.64E-02	6.23E-03	2.20E+00	
360.7	4250.7	1.51E-03	2.79E-02	2.36E-03	2.68E-01	3.60E-02	1.75E+00	5.18E-03	3.57E-02	9.41E-04	5.97E-02	5.22E-03	2.20E+00	
359	4248.4	5.67E-04	2.69E-02	1.46E-03	3.55E-01	1.83E-02	1.66E+00	5.61E-03	7.11E-02	7.07E-04	4.94E-02	5.49E-03	2.19E+00	
362	4246.8	3.21E-03	2.48E-02	2.49E-03	4.74E-01	1.16E-02	1.52E+00	1.13E-02	9.49E-02	9.66E-04	4.31E-02	6.19E-03	2.19E+00	
360.9	4250.7	1.93E-03	2.78E-02	2.69E-03	2.77E-01	3.28E-02	1.74E+00	5.58E-03	3.70E-02	1.03E-03	5.91E-02	5.25E-03	2.19E+00	
359	4248.9	8.57E-04	3.21E-02	1.89E-03	2.81E-01	2.19E-02	1.72E+00	4.55E-03	7.73E-02	8.65E-04	4.93E-02	5.43E-03	2.19E+00	
362.1	4248.9	2.74E-03	1.94E-02	2.36E-03	3.75E-01	2.88E-02	1.63E+00	8.50E-03	5.38E-02	8.87E-04	6.54E-02	6.04E-03	2.19E+00	
361.5	4249.9	4.30E-03	2.21E-02	2.81E-03	3.14E-01	5.18E-02	1.66E+00	6.27E-03	5.21E-02	1.04E-03	6.84E-02	6.21E-03	2.18E+00	
361.5	4246.5	3.53E-03	2.44E-02	2.71E-03	5.14E-01	9.08E-03	1.42E+00	9.47E-03	1.46E-01	1.04E-03	4.12E-02	7.85E-03	2.18E+00	
361.3	4250.2	3.65E-03	2.33E-02	3.33E-03	3.11E-01	4.14E-02	1.68E+00	6.52E-03	4.72E-02	1.20E-03	6.45E-02	5.83E-03	2.18E+00	
360.8	4250.7	1.64E-03	2.73E-02	2.43E-03	2.79E-01	3.51E-02	1.72E+00	5.50E-03	3.67E-02	9.51E-04	6.17E-02	5.41E-03	2.18E+00	
361.4	4246.5	4.24E-03	2.41E-02	2.88E-03	5.11E-01	8.54E-03	1.40E+00	9.29E-03	1.64E-01	1.09E-03	4.02E-02	8.13E-03	2.18E+00	
361.6	4246.5	3.24E-03	2.43E-02	2.62E-03	5.08E-01	9.51E-03	1.44E+00	9.61E-03	1.32E-01	1.01E-03	4.18E-02	7.52E-03	2.18E+00	
359.8	4250	1.15E-03	3.15E-02	2.26E-03	2.36E-01	4.18E-02	1.76E+00	4.07E-03	3.89E-02	9.30E-04	5.78E-02	4.91E-03	2.18E+00	
362.2	4247.8	1.58E-03	2.20E-02	1.91E-03	4.24E-01	1.98E-02	1.57E+00	9.62E-03	6.58E-02	7.85E-04	5.64E-02	5.87E-03	2.17E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
361.8	4246.6	3.81E-03	2.41E-02	2.73E-03	4.81E-01	1.07E-02	1.48E+00	1.01E-02	1.09E-01	1.04E-03	4.35E-02	6.81E-03	2.17E+00	
360.3	4250.5	1.21E-03	2.84E-02	2.28E-03	2.48E-01	3.76E-02	1.75E+00	4.67E-03	3.53E-02	9.14E-04	5.77E-02	5.03E-03	2.17E+00	
359.2	4249.4	8.83E-04	3.01E-02	2.06E-03	2.52E-01	2.90E-02	1.75E+00	4.41E-03	4.67E-02	8.73E-04	5.28E-02	4.81E-03	2.17E+00	
362.1	4247.7	1.76E-03	2.15E-02	1.92E-03	4.02E-01	1.90E-02	1.58E+00	9.07E-03	7.14E-02	7.78E-04	5.83E-02	6.11E-03	2.17E+00	
362.2	4248.3	1.97E-03	2.27E-02	1.96E-03	4.12E-01	2.13E-02	1.57E+00	1.02E-02	6.28E-02	8.05E-04	5.69E-02	5.73E-03	2.16E+00	
361.3	4246.5	4.60E-03	2.37E-02	2.97E-03	5.06E-01	7.97E-03	1.37E+00	8.95E-03	1.88E-01	1.11E-03	3.94E-02	8.49E-03	2.16E+00	
361	4250.6	2.45E-03	2.83E-02	3.12E-03	2.81E-01	3.25E-02	1.71E+00	5.69E-03	3.88E-02	1.16E-03	5.74E-02	5.19E-03	2.16E+00	
360.6	4250.7	1.39E-03	2.85E-02	2.30E-03	2.53E-01	3.26E-02	1.74E+00	4.84E-03	3.39E-02	9.31E-04	5.57E-02	4.91E-03	2.16E+00	
360.1	4250.3	1.18E-03	2.89E-02	2.32E-03	2.41E-01	3.92E-02	1.74E+00	4.40E-03	3.70E-02	9.19E-04	5.64E-02	4.89E-03	2.16E+00	
362	4247.2	2.07E-03	2.36E-02	2.26E-03	4.52E-01	1.44E-02	1.51E+00	1.04E-02	9.08E-02	8.85E-04	4.75E-02	5.67E-03	2.16E+00	
360.4	4250.6	1.24E-03	2.89E-02	2.29E-03	2.45E-01	3.57E-02	1.74E+00	4.69E-03	3.42E-02	9.27E-04	5.51E-02	4.83E-03	2.16E+00	
359.9	4250.1	1.20E-03	3.12E-02	2.32E-03	2.37E-01	4.15E-02	1.74E+00	4.17E-03	3.83E-02	9.39E-04	5.62E-02	4.83E-03	2.16E+00	
359	4248.3	5.09E-04	2.83E-02	1.53E-03	3.66E-01	1.73E-02	1.61E+00	5.35E-03	7.01E-02	7.38E-04	4.75E-02	5.29E-03	2.16E+00	
361.2	4250.4	3.10E-03	2.44E-02	3.12E-03	2.91E-01	3.41E-02	1.67E+00	5.89E-03	4.27E-02	1.13E-03	6.06E-02	5.49E-03	2.14E+00	
360	4250.2	1.17E-03	3.00E-02	2.28E-03	2.37E-01	4.04E-02	1.73E+00	4.28E-03	3.77E-02	9.18E-04	5.57E-02	4.81E-03	2.14E+00	
361.9	4249.3	3.26E-03	1.98E-02	2.35E-03	3.41E-01	3.63E-02	1.60E+00	8.18E-03	5.22E-02	8.76E-04	7.12E-02	6.46E-03	2.14E+00	
359.713	4246.957	1.53E-03	2.27E-02	1.26E-03	4.74E-01	7.00E-03	1.31E+00	5.92E-03	2.53E-01	6.10E-04	4.51E-02	1.19E-02	2.14E+00	
362.2	4248.4	2.72E-03	2.16E-02	2.17E-03	3.94E-01	2.17E-02	1.56E+00	9.64E-03	6.11E-02	8.55E-04	5.76E-02	5.70E-03	2.14E+00	
361.7	4246.5	3.09E-03	2.39E-02	2.55E-03	4.88E-01	9.79E-03	1.43E+00	9.64E-03	1.19E-01	9.84E-04	4.17E-02	7.02E-03	2.13E+00	
361	4246.6	2.46E-03	2.35E-02	2.62E-03	4.97E-01	7.35E-03	1.27E+00	7.54E-03	2.57E-01	1.00E-03	3.94E-02	9.04E-03	2.12E+00	
362.1	4249	2.54E-03	1.85E-02	2.24E-03	3.62E-01	2.89E-02	1.58E+00	8.06E-03	5.08E-02	8.40E-04	6.23E-02	5.76E-03	2.12E+00	
361.1	4250.5	2.81E-03	2.64E-02	3.09E-03	2.84E-01	3.22E-02	1.66E+00	5.71E-03	4.05E-02	1.14E-03	5.80E-02	5.29E-03	2.12E+00	
359	4249	8.20E-04	3.21E-02	1.81E-03	2.65E-01	2.19E-02	1.67E+00	4.53E-03	7.13E-02	8.48E-04	4.70E-02	5.15E-03	2.12E+00	
359	4248.5	6.30E-04	2.83E-02	1.46E-03	3.28E-01	1.92E-02	1.60E+00	5.46E-03	7.21E-02	7.24E-04	4.96E-02	5.45E-03	2.12E+00	
362	4248.7	3.67E-03	2.40E-02	2.62E-03	4.57E-01	1.11E-02	1.46E+00	1.05E-02	9.30E-02	9.99E-04	4.20E-02	6.17E-03	2.11E+00	
361.8	4249.4	4.55E-03	2.16E-02	2.91E-03	3.21E-01	3.78E-02	1.58E+00	7.24E-03	5.25E-02	1.05E-03	7.10E-02	6.38E-03	2.11E+00	
361.6	4249.8	4.67E-03	2.11E-02	3.02E-03	2.95E-01	4.52E-02	1.61E+00	5.93E-03	5.16E-02	1.09E-03	6.55E-02	5.95E-03	2.10E+00	
361.2	4246.5	3.38E-03	2.32E-02	2.69E-03	4.97E-01	7.47E-03	1.31E+00	8.42E-03	2.07E-01	1.02E-03	3.88E-02	8.50E-03	2.10E+00	
360.5	4250.7	1.29E-03	2.82E-02	2.25E-03	2.41E-01	3.16E-02	1.70E+00	4.63E-03	3.28E-02	9.12E-04	5.32E-02	4.70E-03	2.10E+00	
362.1	4246.9	2.46E-03	2.45E-02	2.26E-03	4.54E-01	1.15E-02	1.46E+00	1.09E-02	9.12E-02	8.92E-04	4.12E-02	5.55E-03	2.10E+00	
362	4247.6	1.63E-03	2.12E-02	1.90E-03	3.81E-01	1.90E-02	1.52E+00	9.06E-03	7.71E-02	7.61E-04	5.68E-02	6.14E-03	2.09E+00	
359.274	4247.421	7.06E-04	3.79E-02	1.74E-03	3.52E-01	9.96E-03	1.58E+00	6.66E-03	5.79E-02	9.34E-04	4.02E-02	4.48E-03	2.09E+00	
361.9	4246.6	3.24E-03	2.35E-02	2.57E-03	4.54E-01	1.07E-02	1.44E+00	9.84E-03	9.90E-02	9.81E-04	4.24E-02	6.45E-03	2.09E+00	
361.7	4249.5	4.28E-03	2.27E-02	2.96E-03	3.06E-01	4.11E-02	1.57E+00	6.66E-03	5.25E-02	1.08E-03	7.07E-02	6.27E-03	2.09E+00	
359.4	4249.7	8.45E-04	2.64E-02	1.90E-03	2.25E-01	3.40E-02	1.70E+00	4.07E-03	3.81E-02	7.81E-04	5.28E-02	4.58E-03	2.09E+00	
359.3	4249.6	8.40E-04	2.71E-02	1.91E-03	2.31E-01	3.16E-02	1.69E+00	4.18E-03	3.96E-02	7.91E-04	5.21E-02	4.59E-03	2.09E+00	
361.3	4250.3	3.27E-03	2.25E-02	3.05E-03	2.93E-01	3.61E-02	1.61E+00	6.11E-03	4.43E-02	1.10E-03	5.97E-02	5.43E-03	2.08E+00	
362.1	4247	2.19E-03	2.41E-02	2.20E-03	4.46E-01	1.21E-02	1.44E+00	1.08E-02	9.78E-02	8.73E-04	4.18E-02	5.40E-03	2.08E+00	
362	4247.3	1.80E-03	2.19E-02	2.06E-03	4.07E-01	1.53E-02	1.48E+00	9.37E-03	8.24E-02	8.09E-04	4.86E-02	5.53E-03	2.08E+00	
362	4249.2	2.56E-03	1.84E-02	2.15E-03	3.49E-01	3.42E-02	1.54E+00	8.59E-03	5.00E-02	8.11E-04	6.68E-02	6.19E-03	2.08E+00	
362.2	4248.5	2.74E-03	2.13E-02	2.26E-03	3.76E-01	2.21E-02	1.52E+00	9.11E-03	5.90E-02	8.77E-04	5.75E-02	5.72E-03	2.08E+00	
362.1	4246.8	3.04E-03	2.41E-02	2.39E-03	4.47E-01	1.10E-02	1.44E+00	1.07E-02	8.73E-02	9.27E-04	4.06E-02	5.72E-03	2.08E+00	
359.2	4249.2	8.61E-04	3.14E-02	1.96E-03	2.84E-01	3.03E-02	1.60E+00	5.00E-03	5.96E-02	8.65E-04	5.67E-02	5.44E-03	2.07E+00	
359.401	4247.387	9.96E-04	3.08E-02	1.64E-03	4.24E-01	9.71E-03	1.47E+00	8.69E-03	7.47E-02	8.29E-04	4.43E-02	5.26E-03	2.07E+00	
362.3	4248	2.11E-03	2.15E-02	2.15E-03	4.22E-01	1.88E-02	1.48E+00	9.44E-03	5.80E-02	8.50E-04	5.21E-02	5.38E-03	2.07E+00	
360.9	4250.8	1.84E-03	2.64E-02	2.56E-03	2.63E-01	3.03E-02	1.64E+00	5.30E-03	3.50E-02	9.80E-04	5.55E-02	4.95E-03	2.07E+00	
361.8	4246.5	3.04E-03	2.33E-02	2.49E-03	4.60E-01	9.97E-03	1.40E+00	9.43E-03	1.08E-01	9.60E-04	4.11E-02	6.60E-03	2.07E+00	
359.5	4249.8	8.69E-04	2.70E-02	1.98E-03	2.19E-01	3.55E-02	1.68E+00	3.87E-03	3.70E-02	8.14E-04	5.38E-02	4.62E-03	2.07E+00	
360.4	4250.7	1.22E-03	2.72E-02	2.20E-03	2.35E-01	3.22E-02	1.67E+00	4.46E-03	3.25E-02	8.85E-04	5.38E-02	4.72E-03	2.06E+00	
362.3	4248.1	2.22E-03	2.26E-02	2.17E-03	4.11E-01	1.89E-02	1.47E+00	9.26E-03	5.76E-02	8.65E-04	5.07E-02	5.25E-03	2.05E+00	
362.3	4247.9	1.79E-03	2.11E-02	2.01E-03	4.12E-01	1.88E-02	1.47E+00	9.42E-03	6.00E-02	8.06E-04	5.21E-02	5.41E-03	2.05E+00	
360.8	4250.8	1.57E-03	2.60E-02	2.30E-03	2.63E-01	3.21E-02	1.63E+00	5.22E-03	3.46E-02	9.04E-04	5.72E-02	5.04E-03	2.05E+00	
361.4	4250.1	4.27E-03	2.21E-02	3.41E-03	3.06E-01	4.28E-02	1.55E+00	6.44E-03	4.78E-02	1.22E-03	6.19E-02	5.69E-03	2.05E+00	
360.6	4250.8	1.36E-03	2.69E-02	2.19E-03	2.40E-01	3.05E-02	1.65E+00	4.61E-03	3.22E-02	8.83E-04	5.25E-02	4.64E-03	2.04E+00	
361.6	4246.4	3.42E-03	2.33E-02	2.61E-03	4.73E-01	8.82E-03	1.34E+00	8.83E-03	1.31E-01	1.00E-03	3.90E-02	7.13E-03	2.04E+00	
361.5	4246.4	3.69E-03	2.32E-02	2.69E-03	4.74E-01	8.37E-03	1.33E+00	8.72E-03	1.48E-01	1.02E-03	3.82E-02	7.36E-03	2.04E+00	
359.938	4246.908	1.43E-03	3.02E-02	1.65E-03	3.58E-01	7.35E-03	1.25E+00	4.80E-03	3.32E-01	8.00E-04	4.84E-02	9.54E-03	2.04E+00	
360.9	4246.6	1.51E-03	2.20E-02	2.16E-03	4.54E-01	7.15E-03	1.21E+00	6.67E-03	2.92E-01	8.48E-04	3.66E-02	8.75E-03	2.04E+00	
360.226	4246.692	5.46E-04	2.60E-02	1.32E-03	2.39E-01	6.42E-03	8.56E-01	3.68E-03	8.63E-01	6.63E-04	3.08E-02	1.16E-02	2.04E+00	
359.1	4249.3	8.26E-04	2.81E-02	1.80E-03	2.42E-01	2.52E-02	1.63E+00	4.26E-03	5.15E-02	7.92E-04	4.82E-02	4.64E-03	2.04E+00	
361	4250.7	2.29E-03	2.71E-02	2.95E-03	2.65E-01	2.94E-02	1.61E+00	5.38E-03	3.65E-02	1.10E-03	5.34E-02	4.85E-03	2.03E+00	
361.5	4250	4.30E-03	2.15E-02	2.90E-03	2.99E-01	4.70E-02	1.53E+00	6.08E-03	4.90E-02	1.06E-03	6.23E-02	5.73E-03	2.03E+00	
358.9	4248.6	6.88E-04	2.96E-02	1.55E-03	2.97E-01	1.74E-02	1.56E+00	4.88E-03	6.80E-02	7.59E-04	4.53E-02	4.98E-03	2.03E+00	
360.7	4250.8	1.43E-03	2.65E-02	2.21E-03	2.49E-01	2.98E-02	1.62E+00	4.87E-03	3.30E-02	8.83E-04	5.31E-02	4.71E-03	2.03E+00	
360.6	4246.6	6.50E-04	1.50E-02	1.28E-03	3.67E-01	6.87E-03	9.50E-01	5.85E-03	6.40E-01	5.13E-04	3.20E-02	7.26E-03	2.03E+00	
361.7	4246.4	2.74E-03	2.31E-02	2.42E-03	4.63E-01	9.13E-03	1.35E+00	8.96E-03	1.20E-01	9.38E-04	3.92E-02	6.81E-03	2.03E+00	
362.2	4248.6	2.08E-03	2.12E-02	2.12E-03	3.61E-01	2.20E-02	1.49E+00	8.57E-03	5.69E-02	8.31E-04	5.79E-02	5.77E-03	2.03E+00	
361.4	4246.4	4.15E-03	2.27E-02	2.78E-03	4.70E-01	7.84E-03	1.30E+00	8.52E-03	1.68E-01	1.04E-03	3.72E-02	7.50E-03	2.02E+00	
359.2	4249.5	8.52E-04	2.76E-02	1.97E-03	2.34E-01	2.80E-02	1.63E+00	4.16E-03	4.22E-02	8.16E-04	4.96E-02	4.48E-03	2.02E+00	
362.2	4247.7	1.59E-03	2.05E-02	1.79E-03	3.72E-01	1.81E-02	1.47E+00	8.41E-03	6.72E-02	7.29E-04	5.39E-02	5.65E-03	2.02E+00	
359.6	4249.9	9.11E-04	2.72E-02	1.99E-03	2.15E-01	3.65E-02	1.64E+00	3.73E-03	3.63E-02	8.18E-04	5.33E-02	4.56E-03	2.02E+00	
360.7	4246.6	7.42E-04	1.69E-02	1.44E-03	4.03E-01	6.98E-03	1.06E+00	6.33E-03	4.86E-01	5.81E-04	3.36E-02	8.18E-03	2.02E+00	
360.8	4246.6	8.89E-04	1.94E-02	1.68E-03	4.26E-01	7.05E-03	1.14E+00	6.45E-03	3.72E-01	6.79E-04	3.48E-02	8.59E-03	2.02E+00	
362.1	4246.7	3.35E-03	2.35E-02	2.46E-03	4.36E-01	1.06E-02	1.40E+00	1.02E-02	8.55E-02	9.43E-04	3.97E-02	5.72E-03	2.02E+00	
360.5	4250.6	1.28E-03	2.66E-02	2.16E-03	2.33E-01	3.14E-02	1.63E+00	4.45E-03	3.17E-02	8.70E-04	5.24E-02	4.60E-03	2.02E+00	
361.7	4249.6	3.98E-03	2.15E-02	2.80E-03	2.89E-01	3.95E-02	1.53E+00	6.16E-03	5.07E-02	1.03E-03	6.53E-02	5.84E-03	2.01E+00	
358.9	4248.7	7.49E-04	2.97E-02	1.62E-03	2.85E-01	1.81E-02	1.55E+00	4.45E-03	7.05E-02	7.72E-04	4.60E-02	5.12E-03	2.01E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
362	4246.6	2.87E-03	2.30E-02	2.42E-03	4.35E-01	1.06E-02	1.39E+00	9.67E-03	8.99E-02	9.28E-04	4.07E-02	6.04E-03	2.01E+00	
359.3	4247.4	7.63E-04	3.36E-02	1.62E-03	3.49E-01	9.66E-03	1.50E+00	6.94E-03	6.20E-02	8.52E-04	3.96E-02	4.46E-03	2.01E+00	
360.3	4250.6	1.18E-03	2.66E-02	2.15E-03	2.31E-01	3.33E-02	1.62E+00	4.36E-03	3.29E-02	8.60E-04	5.25E-02	4.63E-03	2.01E+00	
362.2	4248.7	1.86E-03	2.08E-02	2.06E-03	3.50E-01	2.27E-02	1.48E+00	8.14E-03	5.51E-02	8.08E-04	5.83E-02	5.70E-03	2.01E+00	
362.1	4247.1	1.92E-03	2.28E-02	2.11E-03	4.21E-01	1.28E-02	1.39E+00	1.00E-02	9.35E-02	8.33E-04	4.24E-02	5.24E-03	2.01E+00	
362.3	4247.8	1.54E-03	2.11E-02	1.86E-03	3.84E-01	1.84E-02	1.45E+00	8.72E-03	6.24E-02	7.60E-04	5.11E-02	5.35E-03	2.00E+00	
362.3	4248.2	2.31E-03	2.26E-02	2.12E-03	3.90E-01	1.88E-02	1.44E+00	9.56E-03	5.82E-02	8.53E-04	5.03E-02	5.21E-03	2.00E+00	
360.4	4246.7	4.20E-04	1.48E-02	1.05E-03	2.29E-01	5.77E-03	7.23E-01	3.79E-03	9.88E-01	4.50E-04	2.62E-02	8.46E-03	2.00E+00	
362	4247.4	1.66E-03	2.06E-02	1.91E-03	3.77E-01	1.64E-02	1.44E+00	8.92E-03	7.64E-02	7.53E-04	5.01E-02	5.58E-03	2.00E+00	
360.6	4250.9	1.36E-03	2.58E-02	2.15E-03	2.34E-01	3.00E-02	1.61E+00	4.45E-03	3.13E-02	8.60E-04	5.31E-02	4.66E-03	2.00E+00	
362.2	4248.8	2.34E-03	1.98E-02	2.21E-03	3.44E-01	2.42E-02	1.48E+00	8.05E-03	5.35E-02	8.44E-04	5.84E-02	5.59E-03	1.99E+00	
361.9	4246.5	2.61E-03	2.27E-02	2.35E-03	4.34E-01	1.01E-02	1.37E+00	9.10E-03	9.70E-02	9.07E-04	4.03E-02	6.27E-03	1.99E+00	
361.9	4249.4	3.90E-03	1.98E-02	2.57E-03	3.12E-01	3.30E-02	1.49E+00	7.26E-03	4.96E-02	9.33E-04	6.48E-02	5.92E-03	1.99E+00	
359.036	4247.586	3.80E-04	3.71E-02	1.56E-03	3.25E-01	1.13E-02	1.51E+00	6.13E-03	5.73E-02	8.64E-04	3.86E-02	4.44E-03	1.99E+00	
362.1	4249.1	2.56E-03	1.76E-02	2.22E-03	3.42E-01	2.93E-02	1.47E+00	7.74E-03	4.81E-02	8.24E-04	5.93E-02	5.54E-03	1.99E+00	
358.9	4248.8	8.10E-04	2.95E-02	1.75E-03	2.69E-01	1.86E-02	1.54E+00	4.22E-03	7.30E-02	7.94E-04	4.54E-02	5.05E-03	1.99E+00	
361.8	4246.4	2.44E-03	2.26E-02	2.29E-03	4.43E-01	9.31E-03	1.34E+00	8.91E-03	1.10E-01	8.92E-04	3.88E-02	6.45E-03	1.98E+00	
362.2	4248.9	2.37E-03	1.85E-02	2.15E-03	3.39E-01	2.48E-02	1.47E+00	7.93E-03	5.14E-02	8.12E-04	5.77E-02	5.44E-03	1.98E+00	
361.3	4246.4	4.14E-03	2.22E-02	2.76E-03	4.61E-01	7.33E-03	1.24E+00	8.10E-03	1.81E-01	1.03E-03	3.63E-02	7.56E-03	1.98E+00	
362	4247.5	1.58E-03	2.02E-02	1.85E-03	3.65E-01	1.77E-02	1.43E+00	8.83E-03	7.47E-02	7.31E-04	5.23E-02	5.79E-03	1.98E+00	
362.3	4248.3	2.30E-03	2.14E-02	2.02E-03	3.78E-01	1.88E-02	1.43E+00	9.36E-03	5.85E-02	8.09E-04	5.13E-02	5.23E-03	1.98E+00	
362.048	4247.285	1.77E-03	2.10E-02	2.01E-03	3.83E-01	1.47E-02	1.41E+00	8.78E-03	7.98E-02	7.84E-04	4.61E-02	5.25E-03	1.97E+00	36
360.2	4250.5	1.15E-03	2.59E-02	2.13E-03	2.25E-01	3.37E-02	1.59E+00	4.19E-03	3.34E-02	8.41E-04	5.08E-02	4.48E-03	1.97E+00	
359.7	4250	1.01E-03	2.82E-02	2.05E-03	2.15E-01	3.67E-02	1.59E+00	3.73E-03	3.59E-02	8.41E-04	5.20E-02	4.46E-03	1.97E+00	
361.1	4246.5	2.17E-03	2.24E-02	2.35E-03	4.67E-01	7.07E-03	1.20E+00	7.52E-03	2.13E-01	9.08E-04	3.69E-02	7.96E-03	1.97E+00	
359.989	4246.684	8.17E-04	2.58E-02	1.42E-03	2.63E-01	6.21E-03	9.34E-01	3.52E-03	6.94E-01	6.88E-04	3.24E-02	8.68E-03	1.97E+00	
361.7	4249.7	4.48E-03	2.07E-02	3.02E-03	2.77E-01	3.86E-02	1.50E+00	5.82E-03	4.94E-02	1.08E-03	6.14E-02	5.56E-03	1.97E+00	
361.1	4250.6	2.62E-03	2.55E-02	2.96E-03	2.65E-01	2.85E-02	1.54E+00	5.35E-03	3.78E-02	1.09E-03	5.24E-02	4.83E-03	1.97E+00	
361.6	4249.9	4.25E-03	2.03E-02	2.75E-03	2.81E-01	4.29E-02	1.49E+00	5.64E-03	4.91E-02	1.01E-03	5.99E-02	5.51E-03	1.97E+00	
362	4249.3	2.43E-03	1.81E-02	2.05E-03	3.22E-01	3.19E-02	1.46E+00	8.08E-03	4.80E-02	7.73E-04	6.29E-02	5.81E-03	1.97E+00	
361.2	4250.5	2.93E-03	2.33E-02	3.04E-03	2.70E-01	2.95E-02	1.53E+00	5.46E-03	3.97E-02	1.09E-03	5.44E-02	5.00E-03	1.97E+00	
359.036	4247.655	3.58E-04	3.54E-02	1.53E-03	3.29E-01	1.17E-02	1.47E+00	5.91E-03	6.24E-02	8.28E-04	4.00E-02	4.93E-03	1.96E+00	
360.9	4250.9	1.71E-03	2.50E-02	2.38E-03	2.49E-01	2.80E-02	1.56E+00	5.03E-03	3.31E-02	9.15E-04	5.23E-02	4.68E-03	1.96E+00	
362.3	4248.4	2.84E-03	2.04E-02	2.11E-03	3.65E-01	1.92E-02	1.42E+00	8.91E-03	5.74E-02	8.26E-04	5.18E-02	5.19E-03	1.96E+00	
361.3	4250.4	3.03E-03	2.17E-02	2.91E-03	2.75E-01	3.15E-02	1.51E+00	5.70E-03	4.16E-02	1.05E-03	5.47E-02	5.02E-03	1.96E+00	
359.8	4250.1	1.10E-03	2.86E-02	2.10E-03	2.17E-01	3.66E-02	1.57E+00	3.81E-03	3.57E-02	8.57E-04	5.09E-02	4.39E-03	1.95E+00	
362.2	4246.8	2.94E-03	2.32E-02	2.30E-03	4.19E-01	1.06E-02	1.36E+00	1.00E-02	8.06E-02	8.92E-04	3.81E-02	5.29E-03	1.95E+00	
362.1	4247.6	1.60E-03	1.97E-02	1.80E-03	3.50E-01	1.74E-02	1.42E+00	8.10E-03	7.07E-02	7.18E-04	5.28E-02	5.66E-03	1.95E+00	
359.9	4246.9	1.41E-03	2.80E-02	1.56E-03	3.51E-01	7.20E-03	1.21E+00	4.83E-03	2.88E-01	7.46E-04	4.55E-02	8.97E-03	1.95E+00	
359.1	4249.1	8.40E-04	3.22E-02	1.87E-03	2.73E-01	2.55E-02	1.48E+00	4.90E-03	6.64E-02	8.65E-04	5.07E-02	5.29E-03	1.95E+00	
359.9	4250.2	1.13E-03	2.82E-02	2.11E-03	2.18E-01	3.62E-02	1.56E+00	3.90E-03	3.53E-02	8.55E-04	5.01E-02	4.36E-03	1.94E+00	
358.9	4248.9	8.12E-04	2.84E-02	1.75E-03	2.58E-01	1.89E-02	1.51E+00	4.12E-03	7.27E-02	7.82E-04	4.38E-02	4.87E-03	1.94E+00	
362.1	4246.6	2.51E-03	2.26E-02	2.23E-03	4.19E-01	1.02E-02	1.35E+00	9.46E-03	8.24E-02	8.67E-04	3.87E-02	5.61E-03	1.94E+00	
361.8	4249.5	4.52E-03	2.11E-02	2.97E-03	2.94E-01	3.47E-02	1.45E+00	6.52E-03	4.96E-02	1.06E-03	6.37E-02	5.75E-03	1.94E+00	
360.1	4250.4	1.13E-03	2.62E-02	2.13E-03	2.21E-01	3.40E-02	1.56E+00	4.06E-03	3.40E-02	8.42E-04	5.03E-02	4.42E-03	1.94E+00	
359	4248.2	4.22E-04	2.87E-02	1.42E-03	3.58E-01	1.62E-02	1.40E+00	5.14E-03	6.92E-02	7.19E-04	4.75E-02	5.52E-03	1.93E+00	
360.4	4250.8	1.20E-03	2.54E-02	2.08E-03	2.22E-01	2.93E-02	1.56E+00	4.24E-03	3.06E-02	8.33E-04	5.02E-02	4.43E-03	1.93E+00	
360.7	4250.9	1.38E-03	2.53E-02	2.11E-03	2.37E-01	2.80E-02	1.54E+00	4.65E-03	3.15E-02	8.45E-04	5.04E-02	4.48E-03	1.93E+00	
362.2	4246.9	2.53E-03	2.30E-02	2.21E-03	4.11E-01	1.10E-02	1.34E+00	9.92E-03	8.27E-02	8.63E-04	3.83E-02	5.06E-03	1.93E+00	
360.5	4250.9	1.27E-03	2.51E-02	2.07E-03	2.23E-01	2.88E-02	1.56E+00	4.26E-03	3.03E-02	8.30E-04	5.06E-02	4.46E-03	1.93E+00	
362.2	4246.7	3.13E-03	2.29E-02	2.33E-03	4.14E-01	1.02E-02	1.34E+00	9.77E-03	7.86E-02	8.97E-04	3.75E-02	5.32E-03	1.92E+00	
359.629	4246.935	1.88E-03	2.04E-02	1.32E-03	4.73E-01	6.64E-03	1.15E+00	5.97E-03	2.09E-01	6.07E-04	4.34E-02	1.02E-02	1.92E+00	
362	4246.5	2.19E-03	2.22E-02	2.18E-03	4.14E-01	1.00E-02	1.33E+00	8.90E-03	8.86E-02	8.47E-04	3.91E-02	5.92E-03	1.92E+00	
359	4247.9	3.46E-04	2.92E-02	1.40E-03	3.43E-01	1.24E-02	1.41E+00	5.44E-03	6.55E-02	7.11E-04	4.28E-02	5.32E-03	1.92E+00	
359.1	4249.4	8.37E-04	2.71E-02	1.86E-03	2.29E-01	2.45E-02	1.54E+00	4.02E-03	4.59E-02	7.92E-04	4.60E-02	4.35E-03	1.92E+00	
361.4	4250.2	3.77E-03	2.11E-02	3.16E-03	2.88E-01	3.61E-02	1.45E+00	6.12E-03	4.49E-02	1.13E-03	5.63E-02	5.23E-03	1.92E+00	
361.6	4246.3	2.71E-03	2.22E-02	2.37E-03	4.40E-01	8.18E-03	1.26E+00	8.27E-03	1.33E-01	9.17E-04	3.64E-02	6.62E-03	1.92E+00	
361	4250.8	2.12E-03	2.58E-02	2.76E-03	2.51E-01	2.70E-02	1.51E+00	5.11E-03	3.45E-02	1.03E-03	5.02E-02	4.59E-03	1.92E+00	
362.2	4249	2.59E-03	1.74E-02	2.22E-03	3.29E-01	2.46E-02	1.42E+00	7.55E-03	4.85E-02	8.21E-04	5.50E-02	5.17E-03	1.92E+00	
361.7	4246.3	2.65E-03	2.22E-02	2.35E-03	4.37E-01	8.52E-03	1.27E+00	8.36E-03	1.20E-01	9.11E-04	3.69E-02	6.48E-03	1.92E+00	
359.429	4247.221	1.95E-03	1.89E-02	1.37E-03	4.74E-01	7.82E-03	1.18E+00	7.96E-03	1.70E-01	6.15E-04	4.22E-02	6.76E-03	1.91E+00	
362.1	4247.2	1.67E-03	2.10E-02	1.95E-03	3.83E-01	1.35E-02	1.35E+00	8.80E-03	8.26E-02	7.69E-04	4.29E-02	5.05E-03	1.91E+00	
361.9	4246.4	2.24E-03	2.20E-02	2.19E-03	4.18E-01	9.42E-03	1.31E+00	8.54E-03	9.85E-02	8.52E-04	3.82E-02	6.08E-03	1.91E+00	
362.3	4248.5	2.88E-03	2.00E-02	2.16E-03	3.51E-01	1.94E-02	1.39E+00	8.45E-03	5.55E-02	8.33E-04	5.17E-02	5.19E-03	1.91E+00	
361.5	4246.3	3.14E-03	2.19E-02	2.47E-03	4.38E-01	7.72E-03	1.23E+00	8.09E-03	1.49E-01	9.42E-04	3.55E-02	6.77E-03	1.91E+00	
359.8	4246.9	1.08E-03	2.33E-02	1.20E-03	3.71E-01	6.93E-03	1.22E+00	4.98E-03	2.23E-01	5.93E-04	4.00E-02	9.08E-03	1.90E+00	
360.6	4251	1.33E-03	2.44E-02	2.05E-03	2.23E-01	2.74E-02	1.53E+00	4.24E-03	2.97E-02	8.19E-04	4.97E-02	4.38E-03	1.90E+00	
362.3	4247.7	1.50E-03	1.99E-02	1.72E-03	3.45E-01	1.72E-02	1.38E+00	7.81E-03	6.30E-02	7.04E-04	4.97E-02	5.23E-03	1.89E+00	
360.8	4250.9	1.45E-03	2.47E-02	2.13E-03	2.43E-01	2.80E-02	1.50E+00	4.90E-03	3.22E-02	8.44E-04	5.05E-02	4.51E-03	1.89E+00	
361.8	4246.3	3.09E-03	2.19E-02	2.42E-03	4.25E-01	8.71E-03	1.27E+00	8.37E-03	1.10E-01	9.29E-04	3.68E-02	6.25E-03	1.89E+00	
361.7	4249.8	4.03E-03	1.97E-02	2.73E-03	2.65E-01	3.72E-02	1.44E+00	5.50E-03	4.78E-02	9.92E-04	5.72E-02	5.24E-03	1.89E+00	
362.4	4248	2.04E-03	2.02E-02	2.01E-03	3.81E-01	1.70E-02	1.35E+00	8.56E-03	5.44E-02	7.93E-04	4.67E-02	4.86E-03	1.89E+00	
359.4	4249.8	8.08E-04	2.43E-02	1.80E-03	2.04E-01	3.08E-02	1.53E+00	3.67E-03	3.49E-02	7.34E-04	4.81E-02	4.19E-03	1.89E+00	
359.415	4247.304	1.42E-03	2.30E-02	1.46E-03	4.30E-01	8.63E-03	1.25E+00	8.24E-03	1.12E-01	6.89E-04	4.15E-02	5.44E-03	1.89E+00	
359.414	4247.099	2.23E-03	1.58E-02	1.21E-03	5.38E-01	6.86E-03	1.10E+00	7.42E-03	1.60E-01	5.31E-04	4.11E-02	7.74E-03	1.88E+00	
361.2	4246.4	3.15E-03	2.16E-02	2.54E-03	4.43E-01	6.90E-03	1.17E+00	7.46E-03	1.88E-01	9.57E-04	3.50E-02	7.34E-03	1.88E+00	
359.005	4247.521	3.89E-04	3.65E-02	1.50E-03	3.17E-01	1.06E-02	1.42E+00	5.79E-03	4.92E-02	8.47E-04	3.62E-02	4.00E-03	1.88E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
360.3	4250.7	1.15E-03	2.51E-02	2.04E-03	2.17E-01	2.96E-02	1.52E+00	4.10E-03	3.08E-02	8.14E-04	4.83E-02	4.29E-03	1.88E+00	
362.4	4247.9	1.88E-03	2.00E-02	2.00E-03	3.73E-01	1.69E-02	1.35E+00	8.43E-03	5.71E-02	7.91E-04	4.71E-02	4.94E-03	1.88E+00	
361.5	4250.1	4.30E-03	2.07E-02	3.10E-03	2.83E-01	3.96E-02	1.41E+00	5.85E-03	4.60E-02	1.11E-03	5.65E-02	5.30E-03	1.88E+00	
358.9	4249	7.65E-04	2.81E-02	1.64E-03	2.43E-01	1.89E-02	1.47E+00	4.05E-03	6.81E-02	7.56E-04	4.16E-02	4.65E-03	1.88E+00	
359.2	4249.6	8.12E-04	2.53E-02	1.84E-03	2.16E-01	2.69E-02	1.51E+00	3.88E-03	3.84E-02	7.54E-04	4.63E-02	4.16E-03	1.88E+00	
359	4249.1	8.09E-04	2.98E-02	1.74E-03	2.47E-01	2.17E-02	1.46E+00	4.39E-03	6.31E-02	8.03E-04	4.46E-02	4.81E-03	1.88E+00	
361.4	4246.3	3.86E-03	2.14E-02	2.60E-03	4.33E-01	7.23E-03	1.20E+00	7.74E-03	1.62E-01	9.76E-04	3.46E-02	6.88E-03	1.88E+00	
362.4	4248.1	1.98E-03	2.10E-02	1.97E-03	3.75E-01	1.69E-02	1.34E+00	8.35E-03	5.32E-02	7.88E-04	4.55E-02	4.75E-03	1.87E+00	
360.5	4246.6	5.58E-04	1.38E-02	1.13E-03	2.98E-01	6.63E-03	8.17E-01	4.95E-03	6.96E-01	4.60E-04	2.87E-02	6.59E-03	1.87E+00	
359.7	4246.9	1.33E-03	2.15E-02	1.17E-03	4.07E-01	6.65E-03	1.18E+00	5.18E-03	1.98E-01	5.70E-04	3.77E-02	9.65E-03	1.87E+00	
359.286	4247.37	7.89E-04	3.00E-02	1.49E-03	3.27E-01	9.20E-03	1.38E+00	6.61E-03	6.60E-02	7.75E-04	3.71E-02	4.24E-03	1.87E+00	
360	4250.3	1.10E-03	2.68E-02	2.05E-03	2.18E-01	3.50E-02	1.49E+00	3.98E-03	3.47E-02	8.27E-04	4.95E-02	4.35E-03	1.87E+00	
362.2	4246.6	2.35E-03	2.22E-02	2.10E-03	4.02E-01	9.79E-03	1.30E+00	9.20E-03	7.56E-02	8.24E-04	3.67E-02	5.24E-03	1.86E+00	
360.7	4251	1.36E-03	2.42E-02	2.05E-03	2.28E-01	2.74E-02	1.49E+00	4.45E-03	3.04E-02	8.17E-04	4.93E-02	4.36E-03	1.86E+00	
362.3	4248.6	2.23E-03	1.99E-02	2.05E-03	3.37E-01	1.93E-02	1.36E+00	7.91E-03	5.36E-02	7.96E-04	5.20E-02	5.24E-03	1.86E+00	
358.9	4248.4	4.93E-04	2.22E-02	1.23E-03	3.18E-01	1.60E-02	1.39E+00	5.17E-03	6.42E-02	5.89E-04	4.25E-02	4.81E-03	1.86E+00	
362.1	4249.2	2.61E-03	1.70E-02	2.20E-03	3.20E-01	2.89E-02	1.37E+00	7.60E-03	4.59E-02	8.11E-04	5.68E-02	5.36E-03	1.86E+00	
359	4247.8	3.29E-04	3.03E-02	1.40E-03	3.19E-01	1.17E-02	1.38E+00	5.33E-03	6.50E-02	7.26E-04	4.00E-02	5.18E-03	1.86E+00	
362.2	4247	2.38E-03	2.21E-02	2.19E-03	3.86E-01	1.15E-02	1.29E+00	9.36E-03	8.51E-02	8.48E-04	3.82E-02	4.84E-03	1.86E+00	
362.2	4247.6	1.65E-03	1.89E-02	1.77E-03	3.28E-01	1.63E-02	1.36E+00	7.45E-03	6.56E-02	7.02E-04	4.99E-02	5.31E-03	1.86E+00	
362.1	4246.5	2.08E-03	2.17E-02	2.08E-03	3.98E-01	9.82E-03	1.29E+00	8.75E-03	8.20E-02	8.12E-04	3.75E-02	5.57E-03	1.85E+00	
359.5	4249.9	8.18E-04	2.46E-02	1.84E-03	1.99E-01	3.18E-02	1.50E+00	3.50E-03	3.39E-02	7.52E-04	4.83E-02	4.18E-03	1.85E+00	
362.3	4248.7	1.69E-03	1.96E-02	1.90E-03	3.27E-01	2.00E-02	1.36E+00	7.42E-03	5.21E-02	7.47E-04	5.21E-02	5.19E-03	1.85E+00	
358.9	4248	4.22E-04	3.13E-02	1.51E-03	3.09E-01	1.23E-02	1.39E+00	5.47E-03	5.78E-02	7.71E-04	3.90E-02	4.58E-03	1.85E+00	
362	4249.4	2.88E-03	1.82E-02	2.19E-03	2.97E-01	2.89E-02	1.38E+00	7.20E-03	4.61E-02	8.10E-04	5.87E-02	5.43E-03	1.85E+00	
359	4247.6	3.58E-04	3.33E-02	1.44E-03	3.12E-01	1.11E-02	1.38E+00	5.82E-03	5.64E-02	7.82E-04	3.73E-02	4.33E-03	1.84E+00	
359.946	4246.797	9.98E-04	2.80E-02	1.50E-03	2.99E-01	6.72E-03	1.05E+00	4.01E-03	4.07E-01	7.32E-04	3.86E-02	8.09E-03	1.84E+00	
361.6	4250	3.98E-03	1.96E-02	2.61E-03	2.69E-01	3.99E-02	1.39E+00	5.40E-03	4.65E-02	9.59E-04	5.50E-02	5.13E-03	1.84E+00	
359.4	4247.2	1.96E-03	1.82E-02	1.33E-03	4.54E-01	7.56E-03	1.14E+00	7.57E-03	1.61E-01	5.97E-04	4.01E-02	6.72E-03	1.84E+00	
361.9	4249.5	4.39E-03	1.96E-02	2.79E-03	2.88E-01	3.00E-02	1.38E+00	6.45E-03	4.72E-02	9.90E-04	5.88E-02	5.41E-03	1.84E+00	
362	4246.4	2.30E-03	2.14E-02	2.17E-03	3.97E-01	9.47E-03	1.27E+00	8.23E-03	8.93E-02	8.39E-04	3.73E-02	5.78E-03	1.84E+00	
361.1	4250.7	2.42E-03	2.46E-02	2.80E-03	2.48E-01	2.55E-02	1.44E+00	5.04E-03	3.55E-02	1.03E-03	4.78E-02	4.45E-03	1.84E+00	
359	4248	3.50E-04	2.83E-02	1.36E-03	3.37E-01	1.34E-02	1.34E+00	6.13E-03	6.15E-02	6.94E-04	4.23E-02	5.06E-03	1.84E+00	
362.3	4248.8	1.86E-03	1.90E-02	1.94E-03	3.20E-01	2.13E-02	1.36E+00	7.27E-03	5.07E-02	7.56E-04	5.20E-02	5.08E-03	1.84E+00	
362.4	4247.8	1.55E-03	2.02E-02	1.84E-03	3.49E-01	1.69E-02	1.33E+00	7.84E-03	5.89E-02	7.44E-04	4.65E-02	4.90E-03	1.84E+00	
360.5	4251	1.26E-03	2.36E-02	2.00E-03	2.13E-01	2.64E-02	1.49E+00	4.05E-03	2.88E-02	7.94E-04	4.74E-02	4.19E-03	1.84E+00	
361.9	4246.3	2.62E-03	2.14E-02	2.24E-03	4.03E-01	8.81E-03	1.25E+00	8.12E-03	1.01E-01	8.66E-04	3.62E-02	5.91E-03	1.84E+00	
360.296	4246.694	4.86E-04	1.96E-02	1.15E-03	2.38E-01	6.55E-03	7.85E-01	3.89E-03	7.39E-01	5.38E-04	2.97E-02	1.02E-02	1.83E+00	
358.9	4247.9	3.85E-04	2.86E-02	1.41E-03	3.11E-01	1.13E-02	1.37E+00	4.87E-03	6.18E-02	7.06E-04	3.92E-02	4.89E-03	1.83E+00	
359	4247.7	3.40E-04	3.32E-02	1.46E-03	3.16E-01	1.14E-02	1.36E+00	5.49E-03	6.04E-02	7.82E-04	3.87E-02	4.91E-03	1.83E+00	
362.4	4248.2	2.11E-03	2.11E-02	1.99E-03	3.58E-01	1.67E-02	1.32E+00	8.55E-03	5.36E-02	7.96E-04	4.54E-02	4.74E-03	1.83E+00	
361.8	4249.6	3.74E-03	2.04E-02	2.65E-03	2.74E-01	3.28E-02	1.38E+00	5.99E-03	4.76E-02	9.68E-04	5.83E-02	5.29E-03	1.83E+00	
361.3	4250.5	2.83E-03	2.08E-02	2.81E-03	2.57E-01	2.75E-02	1.42E+00	5.31E-03	3.89E-02	1.01E-03	5.00E-02	4.65E-03	1.83E+00	
359.175	4247.367	6.72E-04	3.51E-02	1.59E-03	2.83E-01	9.06E-03	1.39E+00	5.41E-03	6.02E-02	8.60E-04	3.40E-02	3.83E-03	1.82E+00	
361.4	4250.3	3.32E-03	2.02E-02	2.87E-03	2.72E-01	3.15E-02	1.39E+00	5.79E-03	4.23E-02	1.03E-03	5.19E-02	4.86E-03	1.82E+00	
361	4250.9	1.98E-03	2.45E-02	2.59E-03	2.39E-01	2.49E-02	1.44E+00	4.85E-03	3.27E-02	9.66E-04	4.74E-02	4.35E-03	1.82E+00	
361.2	4250.6	2.76E-03	2.24E-02	2.94E-03	2.51E-01	2.57E-02	1.41E+00	5.09E-03	3.71E-02	1.05E-03	4.90E-02	4.57E-03	1.82E+00	
362.3	4246.7	2.89E-03	2.21E-02	2.20E-03	3.89E-01	9.73E-03	1.27E+00	9.14E-03	7.26E-02	8.50E-04	3.53E-02	4.94E-03	1.82E+00	
362.4	4248.3	2.32E-03	2.02E-02	2.00E-03	3.48E-01	1.68E-02	1.31E+00	8.52E-03	5.42E-02	7.90E-04	4.65E-02	4.78E-03	1.82E+00	
362.3	4248.9	1.90E-03	1.78E-02	1.89E-03	3.13E-01	2.17E-02	1.34E+00	7.35E-03	4.90E-02	7.27E-04	5.16E-02	4.96E-03	1.81E+00	
360.9	4251	1.58E-03	2.34E-02	2.21E-03	2.35E-01	2.60E-02	1.44E+00	4.73E-03	3.14E-02	8.48E-04	4.86E-02	4.37E-03	1.81E+00	
362.3	4246.8	2.65E-03	2.20E-02	2.15E-03	3.85E-01	1.01E-02	1.27E+00	9.14E-03	7.50E-02	8.35E-04	3.55E-02	4.86E-03	1.81E+00	
358.8	4248.7	6.51E-04	2.69E-02	1.46E-03	2.63E-01	1.58E-02	1.39E+00	4.26E-03	6.35E-02	6.97E-04	4.08E-02	4.51E-03	1.81E+00	
358.9	4247.8	3.79E-04	2.99E-02	1.46E-03	2.88E-01	1.06E-02	1.37E+00	4.77E-03	5.86E-02	7.31E-04	3.65E-02	4.68E-03	1.81E+00	
362.1	4247.3	1.57E-03	1.93E-02	1.82E-03	3.48E-01	1.42E-02	1.29E+00	7.97E-03	7.44E-02	7.12E-04	4.36E-02	4.93E-03	1.81E+00	
361.7	4246.2	3.56E-03	2.13E-02	2.52E-03	4.11E-01	7.96E-03	1.19E+00	7.82E-03	1.21E-01	9.54E-04	3.47E-02	6.09E-03	1.81E+00	
362.4	4248.4	2.45E-03	1.94E-02	1.96E-03	3.39E-01	1.71E-02	1.32E+00	8.27E-03	5.37E-02	7.68E-04	4.69E-02	4.74E-03	1.81E+00	
360.4	4250.9	1.17E-03	2.38E-02	1.96E-03	2.10E-01	2.68E-02	1.46E+00	4.03E-03	2.90E-02	7.83E-04	4.70E-02	4.17E-03	1.81E+00	
361	4246.5	1.85E-03	2.11E-02	2.21E-03	4.13E-01	6.77E-03	1.10E+00	6.39E-03	2.18E-01	8.52E-04	3.36E-02	7.28E-03	1.81E+00	
361.6	4246.2	2.82E-03	2.11E-02	2.33E-03	4.11E-01	7.60E-03	1.18E+00	7.75E-03	1.35E-01	8.92E-04	3.41E-02	6.18E-03	1.81E+00	
358.9	4248.5	5.66E-04	2.46E-02	1.30E-03	3.06E-01	1.68E-02	1.34E+00	5.17E-03	6.60E-02	6.38E-04	4.39E-02	4.89E-03	1.81E+00	
359.6	4250	8.76E-04	2.52E-02	1.87E-03	1.96E-01	3.23E-02	1.46E+00	3.44E-03	3.33E-02	7.65E-04	4.72E-02	4.08E-03	1.80E+00	
361.3	4246.3	3.28E-03	2.08E-02	2.44E-03	4.22E-01	6.78E-03	1.13E+00	7.30E-03	1.69E-01	9.20E-04	3.35E-02	6.73E-03	1.80E+00	
359	4248.1	3.79E-04	2.62E-02	1.31E-03	3.43E-01	1.48E-02	1.29E+00	5.77E-03	6.54E-02	6.59E-04	4.52E-02	5.59E-03	1.80E+00	
359.1	4249.5	8.17E-04	2.51E-02	1.84E-03	2.14E-01	2.38E-02	1.44E+00	3.82E-03	4.14E-02	7.58E-04	4.35E-02	4.05E-03	1.80E+00	
358.935	4247.516	4.00E-04	3.39E-02	1.46E-03	2.96E-01	1.01E-02	1.36E+00	5.46E-03	4.76E-02	7.97E-04	3.41E-02	3.77E-03	1.80E+00	
362.1	4247.5	1.53E-03	1.85E-02	1.73E-03	3.29E-01	1.61E-02	1.30E+00	7.70E-03	6.76E-02	6.81E-04	4.80E-02	5.26E-03	1.80E+00	
362.2	4246.5	2.15E-03	2.14E-02	2.04E-03	3.86E-01	9.45E-03	1.25E+00	8.58E-03	7.58E-02	7.96E-04	3.57E-02	5.22E-03	1.79E+00	
361.8	4246.2	3.80E-03	2.13E-02	2.55E-03	4.04E-01	8.17E-03	1.20E+00	7.85E-03	1.09E-01	9.64E-04	3.48E-02	5.91E-03	1.79E+00	
362.2	4249.1	2.65E-03	1.64E-02	2.22E-03	3.11E-01	2.44E-02	1.32E+00	7.07E-03	4.55E-02	8.11E-04	5.13E-02	4.89E-03	1.79E+00	
358.8	4248.8	7.27E-04	2.71E-02	1.60E-03	2.49E-01	1.63E-02	1.38E+00	3.96E-03	6.58E-02	7.29E-04	4.07E-02	4.53E-03	1.79E+00	
361.5	4246.2	2.92E-03	2.07E-02	2.32E-03	4.08E-01	7.15E-03	1.15E+00	7.48E-03	1.45E-01	8.85E-04	3.31E-02	6.23E-03	1.78E+00	
362.3	4246.6	2.27E-03	2.17E-02	2.01E-03	3.83E-01	9.37E-03	1.24E+00	8.85E-03	6.99E-02	7.91E-04	3.48E-02	4.87E-03	1.78E+00	
362.1	4246.4	2.55E-03	2.09E-02	2.20E-03	3.81E-01	9.38E-03	1.23E+00	8.16E-03	8.19E-02	8.41E-04	3.62E-02	5.53E-03	1.78E+00	
362.1	4247.4	1.57E-03	1.85E-02	1.76E-03	3.30E-01	1.51E-02	1.28E+00	7.63E-03	6.87E-02	6.88E-04	4.53E-02	5.00E-03	1.78E+00	
360.8	4251	1.38E-03	2.33E-02	2.02E-03	2.29E-01	2.51E-02	1.41E+00	4.61E-03	3.04E-02	7.99E-04	4.64E-02	4.17E-03	1.78E+00	
359.7	4250.1	9.66E-04	2.57E-02	1.90E-03	1.98E-01	3.23E-02	1.43E+00	3.49E-03	3.32E-02	7.75E-04	4.62E-02	4.00E-03	1.78E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
361.7	4249.9	3.73E-03	1.87E-02	2.51E-03	2.52E-01	3.49E-02	1.35E+00	5.15E-03	4.58E-02	9.19E-04	5.26E-02	4.88E-03	1.77E+00	
362	4246.3	2.80E-03	2.08E-02	2.25E-03	3.83E-01	8.88E-03	1.21E+00	7.77E-03	9.24E-02	8.60E-04	3.56E-02	5.62E-03	1.77E+00	
358.9	4248.1	4.11E-04	2.68E-02	1.35E-03	3.05E-01	1.34E-02	1.32E+00	5.22E-03	5.57E-02	6.76E-04	4.01E-02	4.84E-03	1.77E+00	
362.4	4248.5	2.65E-03	1.90E-02	1.99E-03	3.27E-01	1.71E-02	1.29E+00	7.92E-03	5.23E-02	7.70E-04	4.68E-02	4.73E-03	1.77E+00	
361.8	4249.7	3.54E-03	1.97E-02	2.55E-03	2.59E-01	3.18E-02	1.34E+00	5.61E-03	4.61E-02	9.34E-04	5.45E-02	4.97E-03	1.77E+00	
359.394	4247.029	1.97E-03	1.42E-02	1.07E-03	5.21E-01	6.42E-03	1.01E+00	7.13E-03	1.59E-01	4.67E-04	3.95E-02	7.27E-03	1.77E+00	
362.2	4247.1	2.12E-03	2.05E-02	2.09E-03	3.54E-01	1.20E-02	1.25E+00	8.33E-03	8.06E-02	8.04E-04	3.83E-02	4.65E-03	1.77E+00	
359.8	4250.2	1.04E-03	2.59E-02	1.92E-03	2.00E-01	3.22E-02	1.42E+00	3.59E-03	3.31E-02	7.81E-04	4.54E-02	3.96E-03	1.77E+00	
362.1	4249.3	2.28E-03	1.67E-02	2.00E-03	2.97E-01	2.73E-02	1.31E+00	7.33E-03	4.38E-02	7.44E-04	5.42E-02	5.10E-03	1.76E+00	
362.4	4247.7	1.44E-03	1.93E-02	1.69E-03	3.19E-01	1.62E-02	1.29E+00	7.20E-03	5.89E-02	6.89E-04	4.56E-02	4.81E-03	1.76E+00	
361.9	4246.2	2.86E-03	2.08E-02	2.29E-03	3.89E-01	8.27E-03	1.19E+00	7.75E-03	1.01E-01	8.77E-04	3.44E-02	5.70E-03	1.76E+00	
360.2	4250.6	1.11E-03	2.40E-02	1.97E-03	2.09E-01	2.96E-02	1.41E+00	3.91E-03	3.09E-02	7.80E-04	4.57E-02	4.08E-03	1.76E+00	
362.3	4249	2.28E-03	1.67E-02	2.05E-03	3.03E-01	2.13E-02	1.30E+00	7.20E-03	4.66E-02	7.62E-04	4.96E-02	4.73E-03	1.76E+00	
358.9	4247.7	4.06E-04	3.35E-02	1.58E-03	2.87E-01	1.03E-02	1.32E+00	4.92E-03	5.43E-02	8.05E-04	3.53E-02	4.39E-03	1.75E+00	
358.9	4247.5	4.31E-04	3.35E-02	1.48E-03	2.88E-01	9.77E-03	1.33E+00	5.29E-03	4.68E-02	7.97E-04	3.30E-02	3.66E-03	1.75E+00	
358.9	4249.1	7.60E-04	2.70E-02	1.60E-03	2.26E-01	1.86E-02	1.37E+00	3.93E-03	6.12E-02	7.35E-04	3.95E-02	4.37E-03	1.75E+00	
362.3	4246.9	2.39E-03	2.13E-02	2.09E-03	3.64E-01	1.04E-02	1.22E+00	8.80E-03	7.60E-02	8.11E-04	3.52E-02	4.59E-03	1.75E+00	
358.925	4247.459	4.14E-04	3.44E-02	1.44E-03	2.90E-01	9.64E-03	1.32E+00	5.09E-03	4.85E-02	8.04E-04	3.28E-02	3.62E-03	1.75E+00	
359.9	4246.8	9.65E-04	2.64E-02	1.39E-03	2.94E-01	6.64E-03	1.04E+00	4.08E-03	3.32E-01	6.78E-04	3.68E-02	7.57E-03	1.75E+00	
360.3	4250.8	1.12E-03	2.34E-02	1.91E-03	2.04E-01	2.68E-02	1.41E+00	3.88E-03	2.90E-02	7.64E-04	4.49E-02	4.01E-03	1.75E+00	
358.9	4248.3	4.27E-04	2.19E-02	1.20E-03	3.29E-01	1.53E-02	1.26E+00	4.80E-03	6.23E-02	5.77E-04	4.13E-02	4.76E-03	1.75E+00	
359.625	4246.88	1.69E-03	1.98E-02	1.24E-03	4.05E-01	6.36E-03	1.07E+00	5.23E-03	1.87E-01	5.75E-04	3.70E-02	9.01E-03	1.74E+00	
362.3	4247.6	1.50E-03	1.80E-02	1.64E-03	3.09E-01	1.55E-02	1.28E+00	6.94E-03	6.10E-02	6.56E-04	4.69E-02	4.98E-03	1.74E+00	
358.8	4248.9	7.32E-04	2.55E-02	1.57E-03	2.39E-01	1.65E-02	1.34E+00	3.79E-03	6.65E-02	7.00E-04	3.94E-02	4.42E-03	1.74E+00	
361.4	4250.4	3.10E-03	1.95E-02	2.83E-03	2.58E-01	2.80E-02	1.33E+00	5.46E-03	4.00E-02	1.01E-03	4.82E-02	4.56E-03	1.74E+00	
358.8	4248.6	5.78E-04	2.53E-02	1.33E-03	2.76E-01	1.53E-02	1.31E+00	4.68E-03	6.13E-02	6.50E-04	4.01E-02	4.45E-03	1.74E+00	
361.5	4250.2	3.92E-03	1.96E-02	3.00E-03	2.67E-01	3.30E-02	1.30E+00	5.61E-03	4.31E-02	1.07E-03	5.09E-02	4.84E-03	1.73E+00	
359.9	4250.3	1.05E-03	2.54E-02	1.92E-03	2.00E-01	3.15E-02	1.39E+00	3.67E-03	3.27E-02	7.75E-04	4.46E-02	3.94E-03	1.73E+00	
362.3	4246.5	2.17E-03	2.11E-02	1.97E-03	3.71E-01	9.04E-03	1.21E+00	8.33E-03	7.07E-02	7.74E-04	3.40E-02	4.88E-03	1.73E+00	
362.5	4248	1.85E-03	1.89E-02	1.84E-03	3.45E-01	1.54E-02	1.24E+00	7.80E-03	5.18E-02	7.28E-04	4.21E-02	4.42E-03	1.73E+00	
362	4249.5	3.80E-03	1.82E-02	2.52E-03	2.76E-01	2.61E-02	1.29E+00	6.35E-03	4.42E-02	8.98E-04	5.43E-02	5.07E-03	1.73E+00	
361.1	4246.4	1.96E-03	2.04E-02	2.15E-03	4.02E-01	6.54E-03	1.06E+00	6.49E-03	1.87E-01	8.26E-04	3.24E-02	6.72E-03	1.73E+00	
361.4	4246.2	3.46E-03	2.02E-02	2.41E-03	3.99E-01	6.69E-03	1.10E+00	7.05E-03	1.51E-01	9.06E-04	3.21E-02	6.22E-03	1.73E+00	
361.1	4250.8	2.24E-03	2.37E-02	2.65E-03	2.34E-01	2.32E-02	1.35E+00	4.77E-03	3.35E-02	9.79E-04	4.43E-02	4.15E-03	1.73E+00	
362.4	4248.6	2.36E-03	1.88E-02	1.96E-03	3.15E-01	1.70E-02	1.26E+00	7.46E-03	5.06E-02	7.58E-04	4.69E-02	4.78E-03	1.73E+00	
360.9	4246.5	1.38E-03	1.93E-02	1.92E-03	3.71E-01	6.58E-03	1.03E+00	5.72E-03	2.50E-01	7.48E-04	3.09E-02	6.93E-03	1.73E+00	
359.2	4249.7	7.93E-04	2.31E-02	1.77E-03	1.97E-01	2.54E-02	1.39E+00	3.59E-03	3.50E-02	7.08E-04	4.26E-02	3.83E-03	1.73E+00	
362.5	4247.9	1.83E-03	1.89E-02	1.92E-03	3.39E-01	1.54E-02	1.24E+00	7.61E-03	5.42E-02	7.54E-04	4.27E-02	4.51E-03	1.72E+00	
362.2	4246.4	2.42E-03	2.05E-02	2.12E-03	3.68E-01	9.11E-03	1.20E+00	8.06E-03	7.59E-02	8.12E-04	3.47E-02	5.21E-03	1.72E+00	
361.9	4249.6	3.95E-03	1.93E-02	2.67E-03	2.67E-01	2.79E-02	1.29E+00	5.91E-03	4.52E-02	9.56E-04	5.35E-02	4.94E-03	1.72E+00	
361.6	4250.1	3.92E-03	1.90E-02	2.64E-03	2.57E-01	3.54E-02	1.30E+00	5.21E-03	4.39E-02	9.59E-04	5.05E-02	4.79E-03	1.72E+00	
360.4	4251	1.16E-03	2.23E-02	1.88E-03	2.00E-01	2.46E-02	1.39E+00	3.82E-03	2.76E-02	7.46E-04	4.37E-02	3.90E-03	1.72E+00	
362.5	4248.1	1.82E-03	1.95E-02	1.82E-03	3.43E-01	1.52E-02	1.23E+00	7.64E-03	5.00E-02	7.29E-04	4.11E-02	4.33E-03	1.71E+00	
362.4	4248.7	1.64E-03	1.86E-02	1.79E-03	3.05E-01	1.77E-02	1.26E+00	6.94E-03	4.92E-02	7.03E-04	4.69E-02	4.75E-03	1.71E+00	
362.1	4246.3	3.13E-03	2.03E-02	2.31E-03	3.67E-01	8.87E-03	1.18E+00	7.60E-03	8.34E-02	8.70E-04	3.47E-02	5.37E-03	1.71E+00	
358.9	4247.6	4.07E-04	3.21E-02	1.49E-03	2.84E-01	1.01E-02	1.29E+00	5.23E-03	5.20E-02	7.72E-04	3.42E-02	3.95E-03	1.71E+00	
361	4251	1.82E-03	2.31E-02	2.40E-03	2.26E-01	2.31E-02	1.35E+00	4.58E-03	3.10E-02	9.00E-04	4.46E-02	4.10E-03	1.71E+00	
362	4246.2	3.69E-03	2.03E-02	2.42E-03	3.71E-01	8.32E-03	1.16E+00	7.42E-03	9.36E-02	9.09E-04	3.38E-02	5.48E-03	1.71E+00	
361.7	4246.1	3.47E-03	2.04E-02	2.42E-03	3.85E-01	7.43E-03	1.12E+00	7.31E-03	1.21E-01	9.16E-04	3.27E-02	5.69E-03	1.71E+00	
362.4	4248.8	1.49E-03	1.81E-02	1.71E-03	2.99E-01	1.89E-02	1.26E+00	6.60E-03	4.79E-02	6.78E-04	4.66E-02	4.65E-03	1.71E+00	
359	4249.4	7.87E-04	2.43E-02	1.64E-03	2.08E-01	2.10E-02	1.36E+00	3.68E-03	4.47E-02	7.07E-04	4.04E-02	3.96E-03	1.71E+00	
361.8	4249.8	3.30E-03	1.87E-02	2.40E-03	2.44E-01	3.06E-02	1.30E+00	5.26E-03	4.45E-02	8.83E-04	5.09E-02	4.68E-03	1.71E+00	
359.4	4249.9	7.57E-04	2.20E-02	1.66E-03	1.86E-01	2.78E-02	1.38E+00	3.32E-03	3.20E-02	6.76E-04	4.37E-02	3.83E-03	1.70E+00	
360.8	4246.5	9.33E-04	1.70E-02	1.54E-03	3.51E-01	6.47E-03	9.71E-01	5.58E-03	3.12E-01	6.11E-04	2.96E-02	6.69E-03	1.70E+00	
361.8	4246.1	3.47E-03	2.05E-02	2.42E-03	3.82E-01	7.66E-03	1.13E+00	7.34E-03	1.11E-01	9.16E-04	3.30E-02	5.56E-03	1.70E+00	
358.8	4248.3	4.40E-04	2.19E-02	1.20E-03	3.04E-01	1.36E-02	1.26E+00	4.36E-03	5.61E-02	5.76E-04	3.74E-02	4.41E-03	1.70E+00	
361.6	4246.1	3.31E-03	2.00E-02	2.37E-03	3.85E-01	7.07E-03	1.11E+00	7.17E-03	1.30E-01	8.94E-04	3.20E-02	5.77E-03	1.70E+00	
361.3	4250.6	2.65E-03	2.00E-02	2.69E-03	2.41E-01	2.41E-02	1.32E+00	4.95E-03	3.65E-02	9.63E-04	4.56E-02	4.29E-03	1.70E+00	
362.2	4247.5	1.50E-03	1.75E-02	1.67E-03	3.04E-01	1.49E-02	1.24E+00	6.90E-03	6.25E-02	6.55E-04	4.53E-02	4.89E-03	1.70E+00	
362.4	4246.7	2.30E-03	2.10E-02	1.97E-03	3.61E-01	9.32E-03	1.19E+00	8.47E-03	6.72E-02	7.72E-04	3.31E-02	4.55E-03	1.70E+00	
359.1	4249.2	8.13E-04	2.73E-02	1.73E-03	2.46E-01	2.53E-02	1.28E+00	4.53E-03	5.74E-02	7.61E-04	4.69E-02	4.75E-03	1.70E+00	
362.2	4247.2	1.70E-03	1.89E-02	1.87E-03	3.24E-01	1.26E-02	1.21E+00	7.39E-03	7.24E-02	7.23E-04	3.87E-02	4.51E-03	1.69E+00	
362.5	4247.8	1.59E-03	1.93E-02	1.82E-03	3.19E-01	1.54E-02	1.22E+00	7.12E-03	5.53E-02	7.30E-04	4.24E-02	4.50E-03	1.69E+00	
359.1	4249.6	7.88E-04	2.31E-02	1.77E-03	2.00E-01	2.30E-02	1.35E+00	3.60E-03	3.75E-02	7.15E-04	4.10E-02	3.78E-03	1.69E+00	
362.4	4248.9	1.77E-03	1.73E-02	1.80E-03	2.94E-01	1.92E-02	1.25E+00	6.59E-03	4.64E-02	6.94E-04	4.64E-02	4.55E-03	1.69E+00	
361.2	4250.7	2.57E-03	2.17E-02	2.80E-03	2.35E-01	2.28E-02	1.31E+00	4.76E-03	3.48E-02	1.00E-03	4.43E-02	4.19E-03	1.69E+00	
361.2	4246.3	2.42E-03	2.00E-02	2.23E-03	3.94E-01	6.41E-03	1.05E+00	6.65E-03	1.69E-01	8.47E-04	3.16E-02	6.33E-03	1.69E+00	
362.4	4246.6	2.03E-03	2.10E-02	1.89E-03	3.61E-01	8.99E-03	1.18E+00	8.30E-03	6.46E-02	7.46E-04	3.29E-02	4.53E-03	1.69E+00	
360.744	4246.5	8.51E-04	1.57E-02	1.42E-03	3.41E-01	6.43E-03	9.25E-01	5.54E-03	3.50E-01	5.60E-04	2.91E-02	6.46E-03	1.68E+00	
362.5	4248.2	1.76E-03	1.96E-02	1.78E-03	3.30E-01	1.50E-02	1.21E+00	7.74E-03	4.98E-02	7.17E-04	4.13E-02	4.34E-03	1.68E+00	
360.1	4250.5	1.07E-03	2.37E-02	1.91E-03	2.03E-01	2.96E-02	1.33E+00	3.75E-03	3.13E-02	7.59E-04	4.44E-02	3.96E-03	1.68E+00	
362.5	4248.4	1.91E-03	1.84E-02	1.75E-03	3.14E-01	1.54E-02	1.22E+00	7.71E-03	5.01E-02	6.96E-04	4.26E-02	4.35E-03	1.68E+00	
358.8	4248	5.21E-04	2.96E-02	1.56E-03	2.84E-01	1.13E-02	1.25E+00	5.01E-03	5.63E-02	7.63E-04	3.53E-02	4.26E-03	1.68E+00	
362.5	4248.3	1.84E-03	1.89E-02	1.77E-03	3.21E-01	1.52E-02	1.21E+00	7.79E-03	5.03E-02	7.08E-04	4.23E-02	4.38E-03	1.68E+00	
358.8	4249	7.08E-04	2.44E-02	1.49E-03	2.25E-01	1.64E-02	1.30E+00	3.65E-03	6.45E-02	6.73E-04	3.74E-02	4.22E-03	1.67E+00	
360.017	4246.59	5.81E-04	2.41E-02	1.19E-03	2.31E-01	5.81E-03	8.59E-01	3.25E-03	5.15E-01	6.08E-04	2.77E-02	6.70E-03	1.67E+00	
361.9	4246.1	2.91E-03	2.03E-02	2.28E-03	3.73E-01	7.77E-03	1.12E+00	7.27E-03	1.00E-01	8.69E-04	3.27E-02	5.40E-03	1.67E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.9	4246.7	7.38E-04	2.48E-02	1.29E-03	2.57E-01	6.15E-03	9.06E-01	3.55E-03	4.31E-01	6.34E-04	3.13E-02	7.01E-03	1.67E+00	
362.1	4249.4	2.19E-03	1.66E-02	1.91E-03	2.76E-01	2.51E-02	1.24E+00	6.76E-03	4.21E-02	7.14E-04	5.16E-02	4.85E-03	1.67E+00	
362.2	4249.2	2.40E-03	1.57E-02	2.08E-03	2.91E-01	2.42E-02	1.23E+00	6.69E-03	4.29E-02	7.62E-04	4.87E-02	4.69E-03	1.67E+00	
360.7	4246.5	8.04E-04	1.49E-02	1.33E-03	3.33E-01	6.41E-03	8.93E-01	5.45E-03	3.78E-01	5.27E-04	2.87E-02	6.21E-03	1.67E+00	
362.3	4246.4	2.07E-03	2.02E-02	1.95E-03	3.55E-01	8.73E-03	1.16E+00	7.80E-03	7.12E-02	7.59E-04	3.30E-02	4.89E-03	1.67E+00	
359.3	4247.3	1.05E-03	2.36E-02	1.34E-03	3.29E-01	8.32E-03	1.17E+00	6.55E-03	8.69E-02	6.58E-04	3.48E-02	4.41E-03	1.67E+00	
362.4	4246.8	2.31E-03	2.05E-02	1.97E-03	3.48E-01	9.62E-03	1.17E+00	8.31E-03	6.98E-02	7.68E-04	3.29E-02	4.43E-03	1.67E+00	
359.5	4250	7.74E-04	2.25E-02	1.70E-03	1.82E-01	2.86E-02	1.35E+00	3.21E-03	3.12E-02	6.93E-04	4.31E-02	3.77E-03	1.66E+00	
361.7	4250	3.76E-03	1.80E-02	2.48E-03	2.40E-01	3.26E-02	1.26E+00	4.85E-03	4.36E-02	9.03E-04	4.84E-02	4.56E-03	1.66E+00	
358.8	4248.2	4.53E-04	2.61E-02	1.35E-03	2.87E-01	1.31E-02	1.23E+00	4.29E-03	5.30E-02	6.66E-04	3.75E-02	4.59E-03	1.66E+00	
361.5	4246.1	3.17E-03	1.97E-02	2.31E-03	3.81E-01	6.64E-03	1.07E+00	6.81E-03	1.36E-01	8.69E-04	3.10E-02	5.76E-03	1.66E+00	
361.4	4250.5	2.90E-03	1.89E-02	2.76E-03	2.44E-01	2.50E-02	1.27E+00	5.16E-03	3.79E-02	9.77E-04	4.49E-02	4.28E-03	1.66E+00	
358.8	4247.9	4.78E-04	2.74E-02	1.47E-03	2.83E-01	1.04E-02	1.23E+00	4.49E-03	5.59E-02	7.03E-04	3.55E-02	4.49E-03	1.66E+00	
362.4	4247.6	1.43E-03	1.75E-02	1.58E-03	2.92E-01	1.50E-02	1.22E+00	6.50E-03	5.73E-02	6.33E-04	4.38E-02	4.64E-03	1.66E+00	
362.2	4246.3	2.52E-03	1.97E-02	2.13E-03	3.52E-01	8.72E-03	1.15E+00	7.52E-03	7.63E-02	8.08E-04	3.35E-02	5.11E-03	1.66E+00	
362.4	4246.5	1.94E-03	2.06E-02	1.85E-03	3.53E-01	8.67E-03	1.16E+00	7.92E-03	6.58E-02	7.31E-04	3.23E-02	4.56E-03	1.65E+00	
360	4250.4	1.05E-03	2.43E-02	1.89E-03	2.00E-01	3.04E-02	1.31E+00	3.70E-03	3.20E-02	7.57E-04	4.43E-02	3.94E-03	1.65E+00	
362.2	4247.3	1.57E-03	1.77E-02	1.75E-03	3.04E-01	1.32E-02	1.20E+00	6.83E-03	6.65E-02	6.74E-04	3.97E-02	4.45E-03	1.65E+00	
362.3	4247	2.05E-03	1.99E-02	1.98E-03	3.31E-01	1.08E-02	1.16E+00	7.94E-03	7.58E-02	7.65E-04	3.48E-02	4.33E-03	1.65E+00	
362.1	4246.2	3.65E-03	1.97E-02	2.39E-03	3.54E-01	8.34E-03	1.13E+00	7.10E-03	8.60E-02	8.92E-04	3.31E-02	5.20E-03	1.65E+00	
358.9	4247.4	4.35E-04	3.37E-02	1.41E-03	2.65E-01	9.05E-03	1.25E+00	4.54E-03	5.24E-02	7.89E-04	3.05E-02	3.40E-03	1.65E+00	
359.199	4247.309	9.16E-04	2.74E-02	1.47E-03	2.77E-01	8.33E-03	1.22E+00	5.52E-03	7.25E-02	7.33E-04	3.21E-02	3.85E-03	1.65E+00	
359.3	4247.1	1.94E-03	1.57E-02	1.17E-03	4.26E-01	6.63E-03	1.02E+00	6.64E-03	1.25E-01	5.20E-04	3.50E-02	6.31E-03	1.65E+00	
362.5	4248.5	2.28E-03	1.81E-02	1.83E-03	3.04E-01	1.52E-02	1.20E+00	7.49E-03	4.91E-02	7.13E-04	4.26E-02	4.34E-03	1.65E+00	
360.3	4250.9	1.09E-03	2.21E-02	1.82E-03	1.94E-01	2.44E-02	1.32E+00	3.69E-03	2.75E-02	7.24E-04	4.19E-02	3.77E-03	1.64E+00	
361.3	4246.2	3.41E-03	1.96E-02	2.43E-03	3.82E-01	6.30E-03	1.03E+00	6.60E-03	1.54E-01	9.02E-04	3.07E-02	6.02E-03	1.64E+00	
362.3	4249.1	2.47E-03	1.57E-02	2.11E-03	2.88E-01	2.09E-02	1.21E+00	6.80E-03	4.40E-02	7.69E-04	4.60E-02	4.46E-03	1.64E+00	
362.4	4249	1.92E-03	1.62E-02	1.83E-03	2.85E-01	1.88E-02	1.21E+00	6.63E-03	4.47E-02	6.94E-04	4.51E-02	4.38E-03	1.64E+00	
362.5	4247.7	1.40E-03	1.87E-02	1.65E-03	2.95E-01	1.51E-02	1.20E+00	6.64E-03	5.52E-02	6.74E-04	4.19E-02	4.43E-03	1.64E+00	
361.1	4250.9	2.09E-03	2.27E-02	2.53E-03	2.22E-01	2.13E-02	1.28E+00	4.53E-03	3.17E-02	9.34E-04	4.15E-02	3.91E-03	1.63E+00	
362	4246.1	3.54E-03	1.98E-02	2.36E-03	3.58E-01	7.80E-03	1.11E+00	7.05E-03	9.17E-02	8.90E-04	3.22E-02	5.23E-03	1.63E+00	
359.375	4246.96	1.65E-03	1.29E-02	9.44E-04	4.86E-01	6.03E-03	9.30E-01	6.74E-03	1.45E-01	4.15E-04	3.72E-02	6.82E-03	1.63E+00	
361.9	4249.7	3.40E-03	1.87E-02	2.45E-03	2.49E-01	2.66E-02	1.23E+00	5.50E-03	4.35E-02	8.91E-04	4.93E-02	4.57E-03	1.63E+00	
361.5	4250.3	3.64E-03	1.87E-02	2.99E-03	2.54E-01	2.83E-02	1.22E+00	5.37E-03	4.06E-02	1.05E-03	4.65E-02	4.47E-03	1.63E+00	
358.8	4247.8	4.89E-04	2.75E-02	1.54E-03	2.61E-01	9.78E-03	1.23E+00	4.38E-03	5.04E-02	7.11E-04	3.30E-02	4.18E-03	1.63E+00	
359.8	4246.8	7.50E-04	2.16E-02	1.06E-03	2.89E-01	6.41E-03	1.02E+00	4.19E-03	2.37E-01	5.38E-04	3.37E-02	6.72E-03	1.62E+00	
358.7	4248.8	6.24E-04	2.45E-02	1.39E-03	2.32E-01	1.44E-02	1.24E+00	3.73E-03	5.91E-02	6.45E-04	3.67E-02	4.08E-03	1.62E+00	
358.8	4248.1	4.60E-04	2.56E-02	1.37E-03	2.72E-01	1.23E-02	1.21E+00	4.82E-03	5.19E-02	6.64E-04	3.53E-02	4.22E-03	1.62E+00	
358.9	4248.2	3.96E-04	2.39E-02	1.23E-03	3.17E-01	1.45E-02	1.15E+00	4.65E-03	5.91E-02	6.09E-04	4.15E-02	5.02E-03	1.62E+00	
358.94	4247.341	5.08E-04	3.49E-02	1.46E-03	2.37E-01	8.58E-03	1.24E+00	4.29E-03	5.73E-02	8.22E-04	2.94E-02	3.27E-03	1.62E+00	
362	4249.6	3.78E-03	1.79E-02	2.51E-03	2.57E-01	2.41E-02	1.21E+00	5.77E-03	4.25E-02	8.92E-04	4.96E-02	4.65E-03	1.62E+00	
359.9	4246.6	5.11E-04	2.32E-02	1.11E-03	2.31E-01	5.73E-03	8.18E-01	3.23E-03	4.97E-01	5.73E-04	2.76E-02	6.28E-03	1.62E+00	
362.2	4247.4	1.46E-03	1.69E-02	1.65E-03	2.96E-01	1.39E-02	1.17E+00	6.67E-03	6.28E-02	6.38E-04	4.16E-02	4.57E-03	1.61E+00	
358.8	4248.4	4.62E-04	1.95E-02	1.12E-03	2.93E-01	1.42E-02	1.18E+00	4.74E-03	5.72E-02	5.25E-04	3.74E-02	4.32E-03	1.61E+00	
359	4249.3	7.80E-04	2.37E-02	1.57E-03	2.18E-01	2.14E-02	1.25E+00	3.89E-03	4.97E-02	6.80E-04	4.14E-02	4.19E-03	1.61E+00	
360.2	4250.7	1.08E-03	2.25E-02	1.85E-03	1.95E-01	2.61E-02	1.29E+00	3.67E-03	2.89E-02	7.32E-04	4.17E-02	3.75E-03	1.61E+00	
361.7	4246	2.80E-03	1.94E-02	2.19E-03	3.62E-01	6.93E-03	1.06E+00	6.81E-03	1.18E-01	8.35E-04	3.07E-02	5.32E-03	1.61E+00	
361.8	4246	3.30E-03	1.96E-02	2.31E-03	3.60E-01	7.19E-03	1.06E+00	6.80E-03	1.10E-01	8.75E-04	3.12E-02	5.27E-03	1.61E+00	
361.8	4249.9	3.30E-03	1.77E-02	2.34E-03	2.30E-01	2.89E-02	1.23E+00	4.86E-03	4.27E-02	8.56E-04	4.68E-02	4.37E-03	1.61E+00	
359	4249.5	7.86E-04	2.28E-02	1.68E-03	1.96E-01	2.03E-02	1.28E+00	3.50E-03	4.03E-02	6.97E-04	3.84E-02	3.69E-03	1.61E+00	
359.3	4247.2	1.54E-03	1.87E-02	1.25E-03	3.57E-01	7.35E-03	1.05E+00	6.55E-03	1.20E-01	5.77E-04	3.48E-02	5.50E-03	1.61E+00	
362.4	4246.4	1.88E-03	1.98E-02	1.83E-03	3.40E-01	8.36E-03	1.12E+00	7.49E-03	6.66E-02	7.18E-04	3.15E-02	4.60E-03	1.61E+00	
358.8	4247.7	5.19E-04	3.04E-02	1.67E-03	2.60E-01	9.40E-03	1.21E+00	4.50E-03	4.93E-02	7.78E-04	3.21E-02	3.92E-03	1.61E+00	
359.6	4250.1	8.29E-04	2.28E-02	1.70E-03	1.81E-01	2.87E-02	1.29E+00	3.22E-03	3.09E-02	6.95E-04	4.18E-02	3.66E-03	1.60E+00	
362.5	4248.6	2.20E-03	1.79E-02	1.81E-03	2.93E-01	1.52E-02	1.17E+00	7.06E-03	4.78E-02	7.02E-04	4.27E-02	4.37E-03	1.60E+00	
362.3	4246.3	2.17E-03	1.93E-02	1.99E-03	3.39E-01	8.43E-03	1.11E+00	7.37E-03	7.09E-02	7.62E-04	3.21E-02	4.85E-03	1.60E+00	
359.3	4247	1.78E-03	1.41E-02	1.01E-03	4.63E-01	6.06E-03	9.41E-01	6.43E-03	1.26E-01	4.52E-04	3.50E-02	6.19E-03	1.60E+00	
358.7	4248.4	5.03E-04	2.00E-02	1.19E-03	2.74E-01	1.27E-02	1.20E+00	4.34E-03	5.13E-02	5.51E-04	3.40E-02	3.97E-03	1.60E+00	
361.6	4250.2	3.67E-03	1.83E-02	2.58E-03	2.45E-01	3.05E-02	1.20E+00	5.04E-03	4.14E-02	9.32E-04	4.62E-02	4.44E-03	1.60E+00	
362.2	4246.2	2.79E-03	1.91E-02	2.18E-03	3.40E-01	8.29E-03	1.10E+00	6.97E-03	7.91E-02	8.21E-04	3.23E-02	4.94E-03	1.59E+00	
361.4	4246.1	2.99E-03	1.92E-02	2.23E-03	3.68E-01	6.22E-03	1.01E+00	6.44E-03	1.39E-01	8.38E-04	2.98E-02	5.63E-03	1.59E+00	
361.6	4246	2.87E-03	1.91E-02	2.19E-03	3.61E-01	6.58E-03	1.03E+00	6.61E-03	1.24E-01	8.27E-04	3.00E-02	5.33E-03	1.59E+00	
361.9	4246	3.15E-03	1.96E-02	2.27E-03	3.54E-01	7.31E-03	1.06E+00	6.74E-03	1.01E-01	8.61E-04	3.11E-02	5.10E-03	1.59E+00	
358.8	4247.4	4.85E-04	3.21E-02	1.45E-03	2.53E-01	8.68E-03	1.21E+00	4.36E-03	5.01E-02	7.73E-04	2.88E-02	3.21E-03	1.59E+00	
362.3	4247.5	1.42E-03	1.64E-02	1.58E-03	2.84E-01	1.41E-02	1.16E+00	6.32E-03	5.85E-02	6.17E-04	4.29E-02	4.60E-03	1.59E+00	
362.1	4246.1	3.31E-03	1.92E-02	2.27E-03	3.42E-01	7.82E-03	1.08E+00	6.73E-03	8.61E-02	8.52E-04	3.16E-02	5.04E-03	1.59E+00	
358.7	4248.3	5.16E-04	2.17E-02	1.28E-03	2.82E-01	1.22E-02	1.17E+00	3.99E-03	5.05E-02	5.92E-04	3.41E-02	4.14E-03	1.58E+00	
362.5	4248.8	1.52E-03	1.73E-02	1.68E-03	2.78E-01	1.70E-02	1.17E+00	6.15E-03	4.53E-02	6.60E-04	4.21E-02	4.28E-03	1.58E+00	
362.5	4248.7	1.85E-03	1.76E-02	1.78E-03	2.83E-01	1.59E-02	1.16E+00	6.57E-03	4.65E-02	6.89E-04	4.25E-02	4.36E-03	1.58E+00	
362.5	4246.6	2.12E-03	2.01E-02	1.87E-03	3.38E-01	8.62E-03	1.11E+00	7.65E-03	5.99E-02	7.31E-04	3.09E-02	4.22E-03	1.58E+00	
359.2	4249.8	7.47E-04	2.09E-02	1.61E-03	1.80E-01	2.36E-02	1.28E+00	3.30E-03	3.20E-02	6.44E-04	3.90E-02	3.50E-03	1.58E+00	
361.3	4250.7	2.47E-03	1.93E-02	2.54E-03	2.26E-01	2.13E-02	1.22E+00	4.64E-03	3.44E-02	9.12E-04	4.16E-02	3.96E-03	1.58E+00	
362.4	4246.9	2.00E-03	1.94E-02	1.88E-03	3.20E-01	9.90E-03	1.11E+00	7.68E-03	7.00E-02	7.30E-04	3.23E-02	4.16E-03	1.58E+00	
361.2	4250.8	2.39E-03	2.10E-02	2.65E-03	2.21E-01	2.05E-02	1.23E+00	4.49E-03	3.28E-02	9.54E-04	4.06E-02	3.87E-03	1.58E+00	
360.6	4246.5	7.08E-04	1.34E-02	1.18E-03	3.04E-01	6.30E-03	8.12E-01	5.04E-03	3.99E-01	4.68E-04	2.72E-02	5.55E-03	1.58E+00	
360.19	4246.64	5.83E-04	2.70E-02	1.34E-03	2.25E-01	6.12E-03	8.46E-01	3.41E-03	4.28E-01	6.81E-04	2.93E-02	8.53E-03	1.58E+00	
362.2	4249.3	2.18E-03	1.53E-02	1.95E-03	2.72E-01	2.32E-02	1.16E+00	6.41E-03	4.05E-02	7.16E-04	4.65E-02	4.47E-03	1.58E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
362.1	4249.5	2.79E-03	1.66E-02	2.14E-03	2.57E-01	2.27E-02	1.17E+00	6.13E-03	4.06E-02	7.73E-04	4.87E-02	4.58E-03	1.58E+00	
358.8	4247.5	5.28E-04	2.95E-02	1.54E-03	2.63E-01	9.11E-03	1.19E+00	4.91E-03	4.54E-02	7.46E-04	3.02E-02	3.39E-03	1.57E+00	
358.8	4249.1	7.01E-04	2.39E-02	1.46E-03	2.08E-01	1.62E-02	1.22E+00	3.52E-03	5.96E-02	6.63E-04	3.52E-02	3.96E-03	1.57E+00	
362.5	4246.7	1.90E-03	1.97E-02	1.79E-03	3.31E-01	8.89E-03	1.10E+00	7.76E-03	6.26E-02	7.07E-04	3.08E-02	4.18E-03	1.57E+00	
362.5	4248.9	1.48E-03	1.67E-02	1.63E-03	2.75E-01	1.72E-02	1.16E+00	5.98E-03	4.40E-02	6.38E-04	4.19E-02	4.19E-03	1.57E+00	
358.7	4248.9	6.64E-04	2.32E-02	1.42E-03	2.20E-01	1.45E-02	1.21E+00	3.50E-03	6.05E-02	6.35E-04	3.57E-02	4.01E-03	1.57E+00	
362.5	4247.6	1.35E-03	1.71E-02	1.54E-03	2.77E-01	1.43E-02	1.16E+00	6.11E-03	5.43E-02	6.18E-04	4.08E-02	4.32E-03	1.57E+00	
361.4	4250.6	2.64E-03	1.82E-02	2.58E-03	2.31E-01	2.24E-02	1.21E+00	4.85E-03	3.58E-02	9.16E-04	4.17E-02	4.00E-03	1.57E+00	
359.1	4249.7	7.53E-04	2.13E-02	1.66E-03	1.85E-01	2.21E-02	1.26E+00	3.36E-03	3.40E-02	6.62E-04	3.83E-02	3.50E-03	1.57E+00	
361	4246.4	1.29E-03	1.87E-02	1.79E-03	3.47E-01	6.26E-03	9.60E-01	5.49E-03	1.94E-01	7.02E-04	2.91E-02	5.96E-03	1.57E+00	
362.3	4247.1	1.99E-03	1.83E-02	1.95E-03	3.01E-01	1.12E-02	1.12E+00	6.95E-03	7.08E-02	7.39E-04	3.46E-02	4.15E-03	1.57E+00	
362.5	4246.5	1.94E-03	1.99E-02	1.80E-03	3.33E-01	8.33E-03	1.10E+00	7.41E-03	6.11E-02	7.09E-04	3.06E-02	4.25E-03	1.56E+00	
359.7	4246.8	9.46E-04	1.97E-02	1.02E-03	3.09E-01	6.17E-03	9.87E-01	4.27E-03	1.97E-01	5.07E-04	3.07E-02	6.52E-03	1.56E+00	
359	4249.2	7.83E-04	2.51E-02	1.58E-03	2.28E-01	2.16E-02	1.18E+00	4.14E-03	5.53E-02	7.03E-04	4.23E-02	4.44E-03	1.56E+00	
361.7	4250.1	3.58E-03	1.74E-02	2.37E-03	2.30E-01	3.03E-02	1.18E+00	4.64E-03	4.15E-02	8.64E-04	4.46E-02	4.26E-03	1.56E+00	
359.7	4250.2	9.11E-04	2.33E-02	1.73E-03	1.83E-01	2.86E-02	1.24E+00	3.31E-03	3.08E-02	7.06E-04	4.09E-02	3.61E-03	1.56E+00	
358.8	4247.6	5.47E-04	3.05E-02	1.68E-03	2.60E-01	9.25E-03	1.16E+00	4.76E-03	4.98E-02	7.85E-04	3.13E-02	3.64E-03	1.56E+00	
361.9	4249.8	3.09E-03	1.78E-02	2.30E-03	2.32E-01	2.54E-02	1.18E+00	5.08E-03	4.18E-02	8.40E-04	4.57E-02	4.26E-03	1.56E+00	
362	4246	3.03E-03	1.92E-02	2.22E-03	3.43E-01	7.34E-03	1.05E+00	6.64E-03	9.17E-02	8.40E-04	3.07E-02	4.93E-03	1.56E+00	
361.5	4250.4	3.34E-03	1.80E-02	2.90E-03	2.42E-01	2.48E-02	1.17E+00	5.13E-03	3.85E-02	1.01E-03	4.30E-02	4.18E-03	1.55E+00	
360.3	4251	1.06E-03	2.07E-02	1.74E-03	1.83E-01	2.24E-02	1.25E+00	3.49E-03	2.60E-02	6.88E-04	3.88E-02	3.51E-03	1.55E+00	
362.4	4246.3	1.85E-03	1.89E-02	1.83E-03	3.26E-01	8.08E-03	1.08E+00	7.13E-03	6.60E-02	7.09E-04	3.06E-02	4.57E-03	1.55E+00	
361.1	4251	1.97E-03	2.17E-02	2.42E-03	2.12E-01	1.96E-02	1.21E+00	4.30E-03	3.02E-02	8.92E-04	3.91E-02	3.70E-03	1.55E+00	
358.7	4248.5	4.84E-04	2.12E-02	1.15E-03	2.68E-01	1.31E-02	1.14E+00	4.57E-03	5.25E-02	5.56E-04	3.54E-02	4.07E-03	1.54E+00	
361.5	4246	3.34E-03	1.87E-02	2.28E-03	3.53E-01	6.17E-03	9.93E-01	6.26E-03	1.27E-01	8.51E-04	2.90E-02	5.31E-03	1.54E+00	
362.4	4249.1	2.08E-03	1.52E-02	1.92E-03	2.73E-01	1.84E-02	1.14E+00	6.47E-03	4.27E-02	7.07E-04	4.24E-02	4.15E-03	1.54E+00	
359.4	4250	7.12E-04	2.02E-02	1.54E-03	1.70E-01	2.53E-02	1.25E+00	3.04E-03	2.96E-02	6.26E-04	3.96E-02	3.49E-03	1.54E+00	
362.3	4246.2	2.29E-03	1.86E-02	2.02E-03	3.26E-01	8.11E-03	1.07E+00	6.93E-03	7.23E-02	7.64E-04	3.11E-02	4.71E-03	1.54E+00	
358.8	4248.5	5.01E-04	2.11E-02	1.15E-03	2.85E-01	1.47E-02	1.11E+00	4.86E-03	5.84E-02	5.55E-04	3.91E-02	4.46E-03	1.54E+00	
360.75	4251.25	1.21E-03	2.06E-02	1.78E-03	1.96E-01	2.01E-02	1.22E+00	3.92E-03	2.64E-02	7.04E-04	3.87E-02	3.53E-03	1.54E+00	
362.2	4246.1	2.29E-03	1.86E-02	2.01E-03	3.28E-01	7.82E-03	1.05E+00	6.49E-03	8.09E-02	7.64E-04	3.10E-02	4.81E-03	1.54E+00	
362.4	4247.5	1.41E-03	1.59E-02	1.53E-03	2.70E-01	1.35E-02	1.12E+00	5.88E-03	5.58E-02	5.98E-04	4.09E-02	4.36E-03	1.53E+00	
362.5	4246.4	2.12E-03	1.93E-02	1.84E-03	3.23E-01	8.04E-03	1.07E+00	7.14E-03	6.25E-02	7.17E-04	3.01E-02	4.31E-03	1.53E+00	
358.7	4248	6.00E-04	2.72E-02	1.58E-03	2.64E-01	1.05E-02	1.13E+00	4.54E-03	5.48E-02	7.40E-04	3.24E-02	4.02E-03	1.53E+00	
362.5	4249	1.54E-03	1.59E-02	1.61E-03	2.68E-01	1.68E-02	1.13E+00	6.02E-03	4.25E-02	6.25E-04	4.13E-02	4.07E-03	1.53E+00	
358.9	4249.4	7.62E-04	2.18E-02	1.50E-03	1.90E-01	1.81E-02	1.21E+00	3.37E-03	4.34E-02	6.45E-04	3.57E-02	3.61E-03	1.53E+00	
358.9	4247.3	5.34E-04	3.33E-02	1.42E-03	2.18E-01	8.14E-03	1.17E+00	4.09E-03	5.55E-02	7.91E-04	2.78E-02	3.11E-03	1.53E+00	
360.5	4251.25	1.15E-03	1.97E-02	1.73E-03	1.84E-01	2.09E-02	1.23E+00	3.54E-03	2.52E-02	6.81E-04	3.89E-02	3.51E-03	1.53E+00	
361.1	4246.3	1.75E-03	1.86E-02	1.94E-03	3.46E-01	6.09E-03	9.44E-01	5.68E-03	1.68E-01	7.46E-04	2.86E-02	5.65E-03	1.53E+00	
362.3	4249.2	2.13E-03	1.48E-02	1.90E-03	2.70E-01	2.06E-02	1.12E+00	6.32E-03	4.13E-02	6.99E-04	4.31E-02	4.22E-03	1.53E+00	
359.362	4246.873	1.23E-03	1.15E-02	7.98E-04	4.38E-01	5.63E-03	8.73E-01	6.09E-03	1.47E-01	3.56E-04	3.37E-02	6.79E-03	1.52E+00	
358.7	4248.7	5.56E-04	2.29E-02	1.26E-03	2.43E-01	1.40E-02	1.14E+00	4.10E-03	5.71E-02	5.96E-04	3.60E-02	3.99E-03	1.52E+00	
362.5	4246.8	1.88E-03	1.88E-02	1.77E-03	3.11E-01	9.13E-03	1.07E+00	7.45E-03	6.53E-02	6.92E-04	3.03E-02	4.04E-03	1.52E+00	
359	4249.6	7.52E-04	2.13E-02	1.63E-03	1.85E-01	1.98E-02	1.21E+00	3.32E-03	3.64E-02	6.62E-04	3.64E-02	3.45E-03	1.52E+00	
361.8	4245.9	2.33E-03	1.87E-02	2.01E-03	3.38E-01	6.74E-03	1.00E+00	6.37E-03	1.07E-01	7.74E-04	2.94E-02	4.93E-03	1.52E+00	
359.8	4250.3	9.64E-04	2.32E-02	1.75E-03	1.84E-01	2.82E-02	1.20E+00	3.40E-03	3.07E-02	7.07E-04	4.02E-02	3.58E-03	1.52E+00	
361.2	4246.2	2.71E-03	1.85E-02	2.24E-03	3.49E-01	5.98E-03	9.47E-01	5.90E-03	1.52E-01	8.33E-04	2.85E-02	5.53E-03	1.52E+00	
362.3	4247.2	1.69E-03	1.70E-02	1.78E-03	2.81E-01	1.17E-02	1.09E+00	6.29E-03	6.43E-02	6.77E-04	3.52E-02	4.07E-03	1.52E+00	
361.7	4245.9	2.19E-03	1.85E-02	1.96E-03	3.41E-01	6.48E-03	9.94E-01	6.34E-03	1.13E-01	7.54E-04	2.90E-02	4.96E-03	1.52E+00	
362	4249.7	3.41E-03	1.74E-02	2.38E-03	2.38E-01	2.27E-02	1.14E+00	5.27E-03	4.09E-02	8.53E-04	4.52E-02	4.25E-03	1.52E+00	
362.1	4246	2.58E-03	1.87E-02	2.06E-03	3.29E-01	7.35E-03	1.03E+00	6.43E-03	8.49E-02	7.84E-04	3.01E-02	4.79E-03	1.52E+00	
361.8	4250	3.62E-03	1.88E-02	2.45E-03	2.17E-01	2.71E-02	1.15E+00	4.51E-03	4.09E-02	8.80E-04	4.31E-02	4.09E-03	1.51E+00	
360.1	4250.6	1.03E-03	2.20E-02	1.79E-03	1.88E-01	2.59E-02	1.20E+00	3.49E-03	2.90E-02	7.07E-04	3.99E-02	3.60E-03	1.51E+00	
359.6	4246.8	1.50E-03	1.85E-02	1.14E-03	3.34E-01	5.94E-03	9.29E-01	4.50E-03	1.75E-01	5.29E-04	3.03E-02	7.10E-03	1.51E+00	
358.7	4247.9	5.73E-04	2.54E-02	1.50E-03	2.59E-01	9.69E-03	1.12E+00	4.10E-03	5.04E-02	6.89E-04	3.23E-02	4.12E-03	1.51E+00	
362.3	4247.3	1.48E-03	1.61E-02	1.63E-03	2.71E-01	1.22E-02	1.09E+00	5.98E-03	6.05E-02	6.24E-04	3.66E-02	4.09E-03	1.51E+00	
361.9	4245.9	2.21E-03	1.88E-02	1.97E-03	3.33E-01	6.89E-03	9.99E-01	6.29E-03	1.01E-01	7.63E-04	2.95E-02	4.83E-03	1.50E+00	
359.5	4250.1	7.39E-04	2.08E-02	1.58E-03	1.68E-01	2.56E-02	1.21E+00	3.00E-03	2.90E-02	6.42E-04	3.87E-02	3.41E-03	1.50E+00	
358.7	4248.2	5.45E-04	2.47E-02	1.44E-03	2.61E-01	1.18E-02	1.11E+00	3.95E-03	4.72E-02	6.66E-04	3.35E-02	4.10E-03	1.50E+00	
358.6	4248.5	4.93E-04	2.11E-02	1.18E-03	2.52E-01	1.17E-02	1.12E+00	4.28E-03	4.68E-02	5.64E-04	3.20E-02	3.70E-03	1.50E+00	
361.3	4246.1	3.14E-03	1.83E-02	2.30E-03	3.45E-01	5.88E-03	9.45E-01	6.02E-03	1.38E-01	8.49E-04	2.80E-02	5.34E-03	1.50E+00	
362.3	4247.4	1.37E-03	1.57E-02	1.55E-03	2.72E-01	1.30E-02	1.08E+00	5.98E-03	5.84E-02	5.97E-04	3.90E-02	4.25E-03	1.49E+00	
361.6	4245.9	2.40E-03	1.82E-02	1.99E-03	3.39E-01	6.13E-03	9.68E-01	6.11E-03	1.17E-01	7.58E-04	2.83E-02	4.96E-03	1.49E+00	
362.2	4249.4	1.96E-03	1.52E-02	1.81E-03	2.54E-01	2.17E-02	1.10E+00	6.09E-03	3.87E-02	6.69E-04	4.44E-02	4.26E-03	1.49E+00	
361.6	4250.3	3.54E-03	1.75E-02	2.64E-03	2.35E-01	2.61E-02	1.12E+00	4.87E-03	3.91E-02	9.38E-04	4.24E-02	4.14E-03	1.49E+00	
360.328	4246.639	4.63E-04	1.65E-02	1.06E-03	2.16E-01	6.30E-03	7.04E-01	3.67E-03	5.10E-01	4.74E-04	2.63E-02	6.58E-03	1.49E+00	
361.5	4250.5	2.96E-03	1.73E-02	2.64E-03	2.31E-01	2.22E-02	1.13E+00	4.90E-03	3.66E-02	9.29E-04	4.02E-02	3.93E-03	1.49E+00	
362.4	4246.2	1.87E-03	1.81E-02	1.84E-03	3.12E-01	7.82E-03	1.04E+00	6.78E-03	6.65E-02	7.04E-04	2.97E-02	4.46E-03	1.49E+00	
360.9	4246.4	1.05E-03	1.68E-02	1.59E-03	3.13E-01	6.08E-03	8.94E-01	4.99E-03	2.17E-01	6.23E-04	2.69E-02	5.56E-03	1.49E+00	
362.5	4246.3	1.94E-03	1.85E-02	1.80E-03	3.11E-01	7.76E-03	1.04E+00	6.84E-03	6.22E-02	6.96E-04	2.92E-02	4.31E-03	1.49E+00	
359.3	4246.9	1.47E-03	1.24E-02	8.85E-04	4.35E-01	5.59E-03	8.57E-01	6.11E-03	1.29E-01	3.93E-04	3.30E-02	6.10E-03	1.49E+00	
361.2	4250.9	2.20E-03	2.03E-02	2.49E-03	2.09E-01	1.87E-02	1.16E+00	4.26E-03	3.11E-02	9.01E-04	3.75E-02	3.61E-03	1.49E+00	
362.3	4246.1	1.92E-03	1.80E-02	1.87E-03	3.14E-01	7.75E-03	1.02E+00	6.41E-03	7.46E-02	7.15E-04	3.00E-02	4.55E-03	1.48E+00	
360.2	4250.8	1.04E-03	2.11E-02	1.72E-03	1.83E-01	2.33E-02	1.18E+00	3.46E-03	2.71E-02	6.85E-04	3.82E-02	3.47E-03	1.48E+00	
362.1	4249.6	3.14E-03	1.64E-02	2.24E-03	2.39E-01	2.10E-02	1.11E+00	5.56E-03	3.92E-02	7.98E-04	4.49E-02	4.26E-03	1.48E+00	
359.2	4247.2	1.52E-03	2.01E-02	1.36E-03	2.96E-01	7.22E-03	1.02E+00	5.60E-03	9.66E-02	6.25E-04	3.12E-02	4.63E-03	1.48E+00	
361.4	4250.7	2.42E-03	1.76E-02	2.40E-03	2.18E-01	2.00E-02	1.14E+00	4.57E-03	3.39E-02	8.58E-04	3.87E-02	3.74E-03	1.48E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.8	4246.7	5.78E-04	2.01E-02	9.87E-04	2.47E-01	5.97E-03	8.88E-01	3.69E-03	2.80E-01	5.00E-04	2.89E-02	5.96E-03	1.48E+00	
362.4	4247	1.80E-03	1.79E-02	1.80E-03	2.86E-01	1.02E-02	1.05E+00	6.72E-03	6.80E-02	6.91E-04	3.17E-02	3.90E-03	1.48E+00	
362	4245.9	2.10E-03	1.86E-02	1.93E-03	3.26E-01	6.94E-03	9.90E-01	6.21E-03	9.29E-02	7.46E-04	2.92E-02	4.68E-03	1.48E+00	
362.5	4247.5	1.38E-03	1.55E-02	1.47E-03	2.58E-01	1.31E-02	1.09E+00	5.55E-03	5.34E-02	5.79E-04	3.88E-02	4.13E-03	1.48E+00	
359.6	4250.2	8.08E-04	2.16E-02	1.63E-03	1.69E-01	2.55E-02	1.18E+00	3.06E-03	2.88E-02	6.62E-04	3.79E-02	3.35E-03	1.48E+00	
360	4250.5	9.92E-04	2.22E-02	1.75E-03	1.84E-01	2.66E-02	1.16E+00	3.43E-03	2.96E-02	6.99E-04	3.97E-02	3.57E-03	1.48E+00	
361.3	4250.8	2.33E-03	1.87E-02	2.45E-03	2.12E-01	1.90E-02	1.14E+00	4.36E-03	3.25E-02	8.78E-04	3.81E-02	3.67E-03	1.48E+00	
359.9	4250.4	9.80E-04	2.28E-02	1.75E-03	1.84E-01	2.76E-02	1.16E+00	3.43E-03	3.02E-02	7.01E-04	3.98E-02	3.57E-03	1.48E+00	
362.2	4246	2.26E-03	1.80E-02	1.95E-03	3.16E-01	7.36E-03	1.01E+00	6.14E-03	7.99E-02	7.42E-04	2.96E-02	4.65E-03	1.47E+00	
361.9	4249.9	2.94E-03	1.69E-02	2.18E-03	2.16E-01	2.42E-02	1.12E+00	4.66E-03	4.01E-02	8.01E-04	4.21E-02	3.97E-03	1.47E+00	
359.7	4250.3	8.78E-04	2.20E-02	1.66E-03	1.71E-01	2.54E-02	1.18E+00	3.15E-03	2.88E-02	6.71E-04	3.72E-02	3.31E-03	1.47E+00	
358.7	4247.4	5.10E-04	2.80E-02	1.41E-03	2.40E-01	8.20E-03	1.11E+00	4.24E-03	4.78E-02	7.04E-04	2.70E-02	3.01E-03	1.47E+00	
358.7	4248.1	5.12E-04	2.34E-02	1.38E-03	2.48E-01	1.13E-02	1.09E+00	4.39E-03	5.01E-02	6.37E-04	3.17E-02	3.75E-03	1.47E+00	
361.4	4246	3.17E-03	1.81E-02	2.24E-03	3.37E-01	5.80E-03	9.36E-01	5.93E-03	1.26E-01	8.30E-04	2.76E-02	5.11E-03	1.47E+00	
359.198	4247.104	1.67E-03	1.66E-02	1.16E-03	3.40E-01	6.51E-03	9.52E-01	5.81E-03	1.07E-01	5.28E-04	3.08E-02	5.28E-03	1.47E+00	
361.7	4250.2	3.48E-03	1.69E-02	2.35E-03	2.21E-01	2.74E-02	1.11E+00	4.48E-03	3.95E-02	8.51E-04	4.12E-02	4.00E-03	1.47E+00	
358.6	4248.4	5.17E-04	1.85E-02	1.16E-03	2.57E-01	1.14E-02	1.09E+00	4.01E-03	4.72E-02	5.25E-04	3.08E-02	3.67E-03	1.46E+00	
358.7	4247.8	6.10E-04	2.47E-02	1.60E-03	2.37E-01	9.05E-03	1.11E+00	3.97E-03	4.42E-02	6.94E-04	3.00E-02	3.75E-03	1.46E+00	
358.6	4248.6	4.80E-04	2.15E-02	1.15E-03	2.48E-01	1.21E-02	1.09E+00	4.27E-03	4.90E-02	5.58E-04	3.29E-02	3.76E-03	1.46E+00	
358.7	4247.7	6.25E-04	2.67E-02	1.71E-03	2.35E-01	8.64E-03	1.10E+00	4.06E-03	4.64E-02	7.39E-04	2.91E-02	3.54E-03	1.46E+00	
362.5	4249.1	1.80E-03	1.50E-02	1.74E-03	2.58E-01	1.66E-02	1.07E+00	5.97E-03	4.10E-02	6.52E-04	3.94E-02	3.90E-03	1.46E+00	
358.8	4247.3	4.77E-04	3.10E-02	1.33E-03	2.11E-01	7.98E-03	1.12E+00	3.83E-03	4.97E-02	7.36E-04	2.64E-02	2.95E-03	1.45E+00	
359.1	4249.8	7.14E-04	1.95E-02	1.52E-03	1.70E-01	2.08E-02	1.16E+00	3.11E-03	3.11E-02	6.07E-04	3.54E-02	3.22E-03	1.45E+00	
359.2	4249.9	7.11E-04	1.88E-02	1.49E-03	1.65E-01	2.17E-02	1.17E+00	3.02E-03	2.95E-02	5.92E-04	3.57E-02	3.21E-03	1.45E+00	
358.9	4249.2	7.44E-04	2.30E-02	1.46E-03	2.09E-01	1.85E-02	1.10E+00	3.75E-03	5.40E-02	6.50E-04	3.73E-02	4.04E-03	1.45E+00	
359.176	4247.174	1.57E-03	1.93E-02	1.32E-03	2.93E-01	6.99E-03	9.88E-01	5.46E-03	9.67E-02	6.06E-04	3.04E-02	4.68E-03	1.45E+00	
358.6	4248.3	6.06E-04	2.02E-02	1.33E-03	2.59E-01	1.11E-02	1.07E+00	3.74E-03	4.65E-02	5.86E-04	3.09E-02	3.85E-03	1.45E+00	
362.1	4245.9	1.97E-03	1.81E-02	1.86E-03	3.15E-01	6.92E-03	9.77E-01	6.10E-03	8.49E-02	7.18E-04	2.87E-02	4.52E-03	1.45E+00	
358.9	4249.5	7.68E-04	2.07E-02	1.55E-03	1.80E-01	1.76E-02	1.14E+00	3.22E-03	3.91E-02	6.43E-04	3.41E-02	3.39E-03	1.44E+00	
358.7	4248.6	5.00E-04	2.13E-02	1.15E-03	2.57E-01	1.35E-02	1.05E+00	4.49E-03	5.41E-02	5.54E-04	3.56E-02	4.02E-03	1.44E+00	
358.869	4247.239	5.84E-04	3.10E-02	1.35E-03	2.03E-01	7.55E-03	1.11E+00	3.95E-03	5.24E-02	7.43E-04	2.64E-02	3.04E-03	1.44E+00	
359.181	4246.988	1.56E-03	1.39E-02	9.60E-04	3.87E-01	5.81E-03	8.87E-01	5.73E-03	9.88E-02	4.35E-04	3.02E-02	5.30E-03	1.44E+00	
362.5	4246.2	1.89E-03	1.77E-02	1.79E-03	2.98E-01	7.52E-03	1.01E+00	6.55E-03	6.22E-02	6.87E-04	2.83E-02	4.23E-03	1.44E+00	
361.8	4245.8	1.85E-03	1.77E-02	1.81E-03	3.19E-01	6.31E-03	9.46E-01	6.03E-03	1.03E-01	7.02E-04	2.78E-02	4.61E-03	1.44E+00	
361.5	4245.9	2.98E-03	1.78E-02	2.11E-03	3.28E-01	5.76E-03	9.24E-01	5.82E-03	1.16E-01	7.89E-04	2.72E-02	4.87E-03	1.43E+00	
358.7	4247.6	6.46E-04	2.85E-02	1.76E-03	2.39E-01	8.46E-03	1.07E+00	4.30E-03	4.80E-02	7.79E-04	2.87E-02	3.38E-03	1.43E+00	
360.8	4246.4	9.13E-04	1.49E-02	1.39E-03	2.98E-01	5.97E-03	8.29E-01	4.90E-03	2.47E-01	5.43E-04	2.57E-02	5.34E-03	1.43E+00	
362	4249.8	2.96E-03	1.68E-02	2.19E-03	2.21E-01	2.16E-02	1.08E+00	4.81E-03	3.93E-02	7.96E-04	4.14E-02	3.92E-03	1.43E+00	
362.4	4246.1	1.84E-03	1.74E-02	1.81E-03	3.01E-01	7.56E-03	9.94E-01	6.38E-03	6.85E-02	6.91E-04	2.88E-02	4.31E-03	1.43E+00	
362.4	4247.4	1.36E-03	1.50E-02	1.49E-03	2.55E-01	1.23E-02	1.04E+00	5.51E-03	5.56E-02	5.76E-04	3.74E-02	4.05E-03	1.43E+00	
362.4	4249.2	2.00E-03	1.44E-02	1.84E-03	2.56E-01	1.80E-02	1.05E+00	6.11E-03	4.04E-02	6.74E-04	3.95E-02	3.91E-03	1.43E+00	
361.7	4245.8	1.98E-03	1.76E-02	1.83E-03	3.21E-01	6.05E-03	9.37E-01	5.93E-03	1.06E-01	7.04E-04	2.73E-02	4.64E-03	1.43E+00	
362.3	4249.3	1.87E-03	1.43E-02	1.75E-03	2.52E-01	1.99E-02	1.05E+00	5.85E-03	3.87E-02	6.47E-04	4.07E-02	4.00E-03	1.43E+00	
362.5	4246.9	1.76E-03	1.76E-02	1.72E-03	2.81E-01	9.36E-03	1.01E+00	6.67E-03	6.48E-02	6.65E-04	2.96E-02	3.79E-03	1.43E+00	
359	4249.7	7.12E-04	1.97E-02	1.53E-03	1.72E-01	1.92E-02	1.14E+00	3.13E-03	3.30E-02	6.16E-04	3.44E-02	3.21E-03	1.43E+00	
361.5	4250.6	2.63E-03	1.68E-02	2.41E-03	2.20E-01	2.02E-02	1.09E+00	4.66E-03	3.49E-02	8.55E-04	3.77E-02	3.71E-03	1.43E+00	
358.7	4247.5	6.04E-04	2.72E-02	1.60E-03	2.41E-01	8.39E-03	1.07E+00	4.53E-03	4.40E-02	7.27E-04	2.78E-02	3.15E-03	1.43E+00	
359.8	4250.4	9.13E-04	2.16E-02	1.66E-03	1.71E-01	2.49E-02	1.14E+00	3.21E-03	2.86E-02	6.65E-04	3.65E-02	3.27E-03	1.43E+00	
362.3	4246	1.77E-03	1.74E-02	1.78E-03	3.03E-01	7.36E-03	9.81E-01	5.97E-03	7.53E-02	6.83E-04	2.89E-02	4.42E-03	1.43E+00	
361.8	4250.1	3.48E-03	1.62E-02	2.32E-03	2.07E-01	2.54E-02	1.08E+00	4.24E-03	3.92E-02	8.37E-04	3.99E-02	3.84E-03	1.43E+00	
361.9	4245.8	1.79E-03	1.78E-02	1.79E-03	3.14E-01	6.48E-03	9.44E-01	5.94E-03	9.89E-02	6.98E-04	2.80E-02	4.57E-03	1.42E+00	
361	4251.25	1.44E-03	1.97E-02	1.93E-03	1.96E-01	1.84E-02	1.11E+00	3.98E-03	2.72E-02	7.33E-04	3.68E-02	3.45E-03	1.42E+00	
358.6	4248.9	6.00E-04	2.11E-02	1.27E-03	2.03E-01	1.28E-02	1.08E+00	3.27E-03	5.48E-02	5.73E-04	3.22E-02	3.62E-03	1.42E+00	
358.5	4248.6	4.79E-04	2.12E-02	1.16E-03	2.35E-01	1.09E-02	1.07E+00	4.02E-03	4.39E-02	5.57E-04	3.02E-02	3.50E-03	1.42E+00	
360.1	4250.7	1.01E-03	2.07E-02	1.70E-03	1.75E-01	2.28E-02	1.12E+00	3.26E-03	2.71E-02	6.71E-04	3.63E-02	3.30E-03	1.42E+00	
358.7	4249	6.44E-04	2.07E-02	1.32E-03	2.07E-01	1.44E-02	1.07E+00	3.33E-03	5.99E-02	5.80E-04	3.35E-02	3.81E-03	1.41E+00	
362.2	4249.5	2.06E-03	1.52E-02	1.81E-03	2.37E-01	1.99E-02	1.05E+00	5.74E-03	3.72E-02	6.67E-04	4.23E-02	4.05E-03	1.41E+00	
359.584	4246.766	1.37E-03	1.79E-02	1.08E-03	3.13E-01	5.77E-03	8.77E-01	4.25E-03	1.57E-01	5.04E-04	2.85E-02	6.41E-03	1.41E+00	
361.6	4250.4	3.27E-03	1.68E-02	2.57E-03	2.25E-01	2.26E-02	1.05E+00	4.71E-03	3.71E-02	9.09E-04	3.91E-02	3.87E-03	1.41E+00	
362.4	4247.1	1.74E-03	1.65E-02	1.76E-03	2.61E-01	1.05E-02	1.01E+00	5.92E-03	6.30E-02	6.66E-04	3.16E-02	3.75E-03	1.41E+00	
362.2	4245.9	1.94E-03	1.75E-02	1.81E-03	3.03E-01	6.92E-03	9.59E-01	5.91E-03	7.87E-02	6.95E-04	2.82E-02	4.40E-03	1.41E+00	
360.2	4250.9	1.01E-03	2.00E-02	1.65E-03	1.73E-01	2.10E-02	1.12E+00	3.27E-03	2.56E-02	6.54E-04	3.57E-02	3.26E-03	1.41E+00	
361.2	4251	1.98E-03	1.97E-02	2.26E-03	1.99E-01	1.71E-02	1.09E+00	4.05E-03	2.95E-02	8.30E-04	3.50E-02	3.39E-03	1.41E+00	
359.4	4250.1	6.80E-04	1.89E-02	1.46E-03	1.57E-01	2.30E-02	1.13E+00	2.81E-03	2.75E-02	5.90E-04	3.58E-02	3.18E-03	1.40E+00	
359.35	4246.786	9.22E-04	1.08E-02	6.83E-04	3.82E-01	5.29E-03	8.23E-01	5.30E-03	1.39E-01	3.14E-04	3.05E-02	6.57E-03	1.40E+00	
362	4245.8	1.75E-03	1.78E-02	1.76E-03	3.08E-01	6.55E-03	9.37E-01	5.82E-03	9.27E-02	6.88E-04	2.78E-02	4.46E-03	1.40E+00	
359.7	4246.7	6.55E-04	1.80E-02	9.04E-04	2.47E-01	5.76E-03	8.79E-01	3.76E-03	2.15E-01	4.54E-04	2.67E-02	5.39E-03	1.40E+00	
359.2	4246.9	1.25E-03	1.27E-02	8.17E-04	4.01E-01	5.43E-03	8.29E-01	5.73E-03	1.11E-01	3.78E-04	3.05E-02	5.34E-03	1.40E+00	
360	4250.6	9.61E-04	2.08E-02	1.67E-03	1.71E-01	2.34E-02	1.11E+00	3.18E-03	2.75E-02	6.63E-04	3.60E-02	3.26E-03	1.40E+00	
362.75	4248	1.72E-03	1.58E-02	1.62E-03	2.74E-01	1.21E-02	1.01E+00	6.16E-03	4.56E-02	6.29E-04	3.28E-02	3.54E-03	1.40E+00	
358.6	4248	6.62E-04	2.48E-02	1.60E-03	2.44E-01	9.73E-03	1.03E+00	4.21E-03	5.09E-02	7.18E-04	2.97E-02	3.74E-03	1.40E+00	
359.3	4246.8	9.73E-04	1.07E-02	6.96E-04	3.91E-01	5.22E-03	8.12E-01	5.57E-03	1.37E-01	3.18E-04	3.02E-02	6.33E-03	1.40E+00	
361.6	4245.8	2.54E-03	1.74E-02	1.95E-03	3.17E-01	5.73E-03	9.08E-01	5.69E-03	1.07E-01	7.37E-04	2.66E-02	4.64E-03	1.40E+00	
358.7	4247.3	4.59E-04	2.89E-02	1.28E-03	2.06E-01	7.74E-03	1.07E+00	3.70E-03	4.59E-02	6.94E-04	2.52E-02	2.80E-03	1.40E+00	
362.1	4249.7	2.83E-03	1.61E-02	2.09E-03	2.23E-01	1.97E-02	1.04E+00	5.02E-03	3.79E-02	7.55E-04	4.10E-02	3.91E-03	1.39E+00	
362.75	4248.5	1.41E-03	1.59E-02	1.46E-03	2.61E-01	1.19E-02	1.01E+00	6.32E-03	4.26E-02	5.83E-04	3.41E-02	3.58E-03	1.39E+00	
361.4	4250.8	2.22E-03	1.70E-02	2.23E-03	2.06E-01	1.80E-02	1.07E+00	4.31E-03	3.22E-02	8.03E-04	3.58E-02	3.49E-03	1.39E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
361.9	4250	3.21E-03	1.60E-02	2.28E-03	2.02E-01	2.29E-02	1.05E+00	4.29E-03	3.85E-02	8.18E-04	3.89E-02	3.72E-03	1.39E+00	
359.8	4246.6	4.53E-04	1.89E-02	9.13E-04	2.20E-01	5.58E-03	7.87E-01	3.25E-03	3.19E-01	4.67E-04	2.56E-02	5.43E-03	1.39E+00	
358.856	4247.185	6.45E-04	2.83E-02	1.26E-03	2.00E-01	7.08E-03	1.06E+00	3.91E-03	5.59E-02	6.88E-04	2.56E-02	3.14E-03	1.39E+00	
361.3	4250.9	2.23E-03	1.81E-02	2.40E-03	2.01E-01	1.72E-02	1.07E+00	4.12E-03	3.07E-02	8.57E-04	3.52E-02	3.42E-03	1.39E+00	
362.5	4247.4	1.41E-03	1.45E-02	1.48E-03	2.43E-01	1.18E-02	1.01E+00	5.15E-03	5.31E-02	5.67E-04	3.59E-02	3.88E-03	1.38E+00	
362.5	4246.1	1.82E-03	1.69E-02	1.77E-03	2.87E-01	7.30E-03	9.66E-01	6.28E-03	6.31E-02	6.74E-04	2.75E-02	4.10E-03	1.38E+00	
361	4246.3	1.36E-03	1.68E-02	1.71E-03	2.96E-01	5.83E-03	8.50E-01	4.82E-03	1.72E-01	6.55E-04	2.56E-02	4.96E-03	1.38E+00	
358.5	4248.5	5.21E-04	1.95E-02	1.19E-03	2.37E-01	1.06E-02	1.03E+00	3.96E-03	4.27E-02	5.46E-04	2.90E-02	3.41E-03	1.38E+00	
362.4	4246	1.55E-03	1.68E-02	1.67E-03	2.91E-01	7.28E-03	9.53E-01	5.97E-03	7.01E-02	6.43E-04	2.80E-02	4.18E-03	1.38E+00	
359.5	4250.2	7.24E-04	1.96E-02	1.52E-03	1.57E-01	2.29E-02	1.11E+00	2.84E-03	2.71E-02	6.14E-04	3.51E-02	3.12E-03	1.38E+00	
362.4	4247.2	1.45E-03	1.54E-02	1.58E-03	2.49E-01	1.10E-02	1.00E+00	5.49E-03	5.81E-02	6.04E-04	3.25E-02	3.73E-03	1.38E+00	
358.8	4249.4	7.25E-04	1.96E-02	1.37E-03	1.74E-01	1.58E-02	1.09E+00	3.09E-03	4.23E-02	5.85E-04	3.18E-02	3.30E-03	1.38E+00	
362.1	4245.8	1.63E-03	1.74E-02	1.70E-03	3.00E-01	6.55E-03	9.27E-01	5.77E-03	8.56E-02	6.64E-04	2.73E-02	4.29E-03	1.38E+00	
361.7	4250.3	3.39E-03	1.64E-02	2.38E-03	2.13E-01	2.41E-02	1.03E+00	4.36E-03	3.76E-02	8.50E-04	3.82E-02	3.77E-03	1.38E+00	
360.2	4246.6	5.49E-04	2.50E-02	1.26E-03	2.13E-01	5.93E-03	7.93E-01	3.26E-03	2.98E-01	6.37E-04	2.75E-02	7.17E-03	1.37E+00	
362.75	4248.25	1.53E-03	1.61E-02	1.52E-03	2.67E-01	1.19E-02	9.88E-01	6.30E-03	4.28E-02	6.00E-04	3.37E-02	3.57E-03	1.37E+00	
360.5	4246.5	6.15E-04	1.27E-02	1.06E-03	2.54E-01	6.09E-03	7.24E-01	4.34E-03	3.40E-01	4.28E-04	2.47E-02	4.98E-03	1.37E+00	
358.6	4247.9	6.85E-04	2.40E-02	1.58E-03	2.38E-01	9.04E-03	1.02E+00	3.82E-03	4.43E-02	6.97E-04	2.95E-02	3.75E-03	1.37E+00	
358.9	4249.3	7.40E-04	2.09E-02	1.40E-03	1.97E-01	1.85E-02	1.04E+00	3.56E-03	4.80E-02	6.07E-04	3.61E-02	3.79E-03	1.37E+00	
362.3	4245.9	2.05E-03	1.68E-02	1.82E-03	2.92E-01	6.95E-03	9.38E-01	5.71E-03	7.46E-02	6.89E-04	2.78E-02	4.28E-03	1.37E+00	
358.9	4249.6	7.36E-04	1.96E-02	1.53E-03	1.71E-01	1.71E-02	1.08E+00	3.07E-03	3.54E-02	6.21E-04	3.25E-02	3.17E-03	1.37E+00	
359.138	4246.944	1.32E-03	1.32E-02	8.64E-04	3.73E-01	5.55E-03	8.43E-01	5.51E-03	9.15E-02	4.00E-04	2.90E-02	4.94E-03	1.37E+00	
358.6	4248.2	6.18E-04	2.28E-02	1.49E-03	2.37E-01	1.07E-02	1.01E+00	3.71E-03	4.39E-02	6.55E-04	3.00E-02	3.64E-03	1.37E+00	
361.5	4250.7	2.48E-03	1.63E-02	2.36E-03	2.10E-01	1.84E-02	1.04E+00	4.44E-03	3.33E-02	8.34E-04	3.54E-02	3.50E-03	1.37E+00	
361.3	4246	2.69E-03	1.70E-02	2.09E-03	3.11E-01	5.51E-03	8.68E-01	5.48E-03	1.24E-01	7.72E-04	2.56E-02	4.73E-03	1.37E+00	
361.2	4246.1	2.57E-03	1.70E-02	2.10E-03	3.07E-01	5.60E-03	8.60E-01	5.29E-03	1.34E-01	7.73E-04	2.56E-02	4.82E-03	1.37E+00	
359.6	4250.3	7.86E-04	2.04E-02	1.55E-03	1.59E-01	2.29E-02	1.09E+00	2.92E-03	2.70E-02	6.31E-04	3.45E-02	3.08E-03	1.36E+00	
361.8	4245.7	2.10E-03	1.69E-02	1.82E-03	3.03E-01	5.92E-03	8.98E-01	5.72E-03	9.75E-02	6.97E-04	2.63E-02	4.35E-03	1.36E+00	
359.116	4247.017	1.32E-03	1.50E-02	9.50E-04	3.32E-01	5.89E-03	8.78E-01	5.42E-03	8.97E-02	4.45E-04	2.82E-02	4.94E-03	1.36E+00	
359.7	4250.4	8.40E-04	2.06E-02	1.58E-03	1.60E-01	2.26E-02	1.09E+00	3.00E-03	2.69E-02	6.37E-04	3.39E-02	3.04E-03	1.36E+00	
361.1	4246.2	2.14E-03	1.69E-02	1.98E-03	3.01E-01	5.70E-03	8.47E-01	4.99E-03	1.49E-01	7.38E-04	2.55E-02	4.83E-03	1.36E+00	
362.75	4247.75	1.28E-03	1.64E-02	1.47E-03	2.49E-01	1.23E-02	9.88E-01	5.56E-03	4.72E-02	5.96E-04	3.41E-02	3.62E-03	1.36E+00	
362.4	4247.3	1.31E-03	1.46E-02	1.47E-03	2.48E-01	1.15E-02	9.82E-01	5.38E-03	5.59E-02	5.62E-04	3.43E-02	3.82E-03	1.36E+00	
362.5	4249.2	1.94E-03	1.41E-02	1.81E-03	2.45E-01	1.61E-02	9.93E-01	5.75E-03	3.93E-02	6.63E-04	3.69E-02	3.69E-03	1.36E+00	
359.9	4250.5	9.27E-04	2.10E-02	1.64E-03	1.70E-01	2.43E-02	1.07E+00	3.20E-03	2.80E-02	6.54E-04	3.60E-02	3.26E-03	1.36E+00	
362	4249.9	2.78E-03	1.60E-02	2.09E-03	2.06E-01	2.05E-02	1.02E+00	4.42E-03	3.78E-02	7.61E-04	3.82E-02	3.64E-03	1.36E+00	
358.6	4248.8	5.48E-04	2.12E-02	1.21E-03	2.15E-01	1.28E-02	1.01E+00	3.52E-03	5.31E-02	5.61E-04	3.26E-02	3.66E-03	1.35E+00	
358.8	4247.2	5.67E-04	2.89E-02	1.26E-03	1.91E-01	7.19E-03	1.04E+00	3.76E-03	5.07E-02	6.94E-04	2.51E-02	2.94E-03	1.35E+00	
361.9	4245.7	2.32E-03	1.69E-02	1.88E-03	2.97E-01	6.10E-03	8.95E-01	5.68E-03	9.45E-02	7.16E-04	2.65E-02	4.31E-03	1.35E+00	
361.4	4245.9	2.77E-03	1.70E-02	2.08E-03	3.07E-01	5.44E-03	8.67E-01	5.53E-03	1.13E-01	7.68E-04	2.55E-02	4.60E-03	1.35E+00	
361.7	4245.7	2.06E-03	1.68E-02	1.79E-03	3.03E-01	5.67E-03	8.85E-01	5.57E-03	9.85E-02	6.83E-04	2.58E-02	4.36E-03	1.35E+00	
362.3	4249.4	1.89E-03	1.41E-02	1.75E-03	2.35E-01	1.88E-02	9.92E-01	5.49E-03	3.65E-02	6.41E-04	3.86E-02	3.79E-03	1.35E+00	
362.2	4245.8	1.61E-03	1.69E-02	1.66E-03	2.91E-01	6.53E-03	9.14E-01	5.72E-03	7.89E-02	6.46E-04	2.68E-02	4.16E-03	1.35E+00	
358.5	4248.4	5.62E-04	1.74E-02	1.17E-03	2.43E-01	1.03E-02	9.97E-01	3.69E-03	4.35E-02	5.13E-04	2.83E-02	3.43E-03	1.35E+00	
361.8	4250.2	3.18E-03	1.56E-02	2.14E-03	1.99E-01	2.37E-02	1.02E+00	4.05E-03	3.76E-02	7.78E-04	3.69E-02	3.60E-03	1.35E+00	
361.6	4250.5	2.94E-03	1.62E-02	2.41E-03	2.16E-01	2.00E-02	1.01E+00	4.53E-03	3.54E-02	8.54E-04	3.64E-02	3.64E-03	1.34E+00	
358.6	4247.4	4.42E-04	2.45E-02	1.24E-03	2.26E-01	7.66E-03	1.01E+00	4.14E-03	4.41E-02	6.17E-04	2.51E-02	2.80E-03	1.34E+00	
362.2	4249.6	2.57E-03	1.51E-02	2.02E-03	2.22E-01	1.83E-02	9.96E-01	5.32E-03	3.60E-02	7.20E-04	3.98E-02	3.83E-03	1.34E+00	
360.75	4251.5	1.11E-03	1.83E-02	1.59E-03	1.74E-01	1.63E-02	1.06E+00	3.54E-03	2.38E-02	6.30E-04	3.27E-02	3.04E-03	1.34E+00	
360.2	4251	9.81E-04	1.89E-02	1.58E-03	1.64E-01	1.92E-02	1.07E+00	3.10E-03	2.42E-02	6.24E-04	3.31E-02	3.04E-03	1.34E+00	
358.89	4247.117	8.15E-04	2.33E-02	1.15E-03	2.13E-01	6.52E-03	9.94E-01	4.04E-03	6.69E-02	5.94E-04	2.53E-02	3.49E-03	1.34E+00	
362.5	4247	1.63E-03	1.62E-02	1.65E-03	2.51E-01	9.61E-03	9.57E-01	5.76E-03	6.18E-02	6.30E-04	2.91E-02	3.57E-03	1.34E+00	
359.1	4249.9	6.92E-04	1.78E-02	1.44E-03	1.57E-01	1.93E-02	1.07E+00	2.87E-03	2.86E-02	5.68E-04	3.26E-02	2.96E-03	1.34E+00	
359.2	4246.8	9.62E-04	1.15E-02	7.08E-04	3.77E-01	5.03E-03	7.79E-01	5.51E-03	1.22E-01	3.32E-04	2.85E-02	5.67E-03	1.34E+00	
362	4245.7	2.24E-03	1.70E-02	1.83E-03	2.91E-01	6.19E-03	8.87E-01	5.53E-03	9.04E-02	7.03E-04	2.64E-02	4.24E-03	1.33E+00	
362.5	4246	1.55E-03	1.63E-02	1.64E-03	2.78E-01	7.09E-03	9.26E-01	5.98E-03	6.44E-02	6.29E-04	2.68E-02	3.96E-03	1.33E+00	
361.5	4245.8	2.59E-03	1.68E-02	1.94E-03	3.03E-01	5.40E-03	8.62E-01	5.45E-03	1.04E-01	7.27E-04	2.53E-02	4.46E-03	1.33E+00	
359	4249.8	6.95E-04	1.82E-02	1.49E-03	1.60E-01	1.84E-02	1.06E+00	2.93E-03	3.02E-02	5.86E-04	3.22E-02	2.98E-03	1.33E+00	
359.2	4250	6.75E-04	1.72E-02	1.38E-03	1.52E-01	2.00E-02	1.07E+00	2.77E-03	2.73E-02	5.47E-04	3.30E-02	2.97E-03	1.33E+00	
362.4	4245.9	1.74E-03	1.63E-02	1.70E-03	2.82E-01	6.94E-03	9.14E-01	5.63E-03	7.04E-02	6.47E-04	2.71E-02	4.08E-03	1.33E+00	
358.6	4247.6	5.35E-04	2.58E-02	1.53E-03	2.18E-01	7.77E-03	9.95E-01	3.98E-03	4.62E-02	6.87E-04	2.65E-02	3.13E-03	1.33E+00	
360.177	4246.578	5.56E-04	2.53E-02	1.26E-03	2.09E-01	5.82E-03	7.91E-01	3.18E-03	2.58E-01	6.40E-04	2.71E-02	6.51E-03	1.33E+00	
362.75	4246.5	1.85E-03	1.76E-02	1.67E-03	2.82E-01	7.47E-03	9.30E-01	6.21E-03	5.04E-02	6.48E-04	2.61E-02	3.52E-03	1.33E+00	
358.6	4247.7	5.73E-04	2.35E-02	1.52E-03	2.13E-01	8.01E-03	1.00E+00	3.73E-03	4.51E-02	6.56E-04	2.65E-02	3.21E-03	1.33E+00	
362.4	4249.3	1.74E-03	1.37E-02	1.65E-03	2.37E-01	1.72E-02	9.71E-01	5.55E-03	3.78E-02	6.11E-04	3.67E-02	3.67E-03	1.33E+00	
360.007	4246.511	4.74E-04	2.15E-02	1.03E-03	2.10E-01	5.48E-03	7.93E-01	3.02E-03	2.61E-01	5.37E-04	2.46E-02	5.22E-03	1.33E+00	
360.4	4246.6	4.43E-04	1.36E-02	9.86E-04	2.00E-01	5.34E-03	6.47E-01	3.39E-03	4.27E-01	4.18E-04	2.18E-02	5.34E-03	1.32E+00	
358.5	4248.3	6.25E-04	1.89E-02	1.30E-03	2.40E-01	1.00E-02	9.74E-01	3.51E-03	4.21E-02	5.64E-04	2.84E-02	3.53E-03	1.32E+00	
358.6	4247.8	5.90E-04	2.25E-02	1.48E-03	2.17E-01	8.43E-03	9.97E-01	3.66E-03	4.00E-02	6.41E-04	2.75E-02	3.36E-03	1.32E+00	
359.9	4246.5	3.94E-04	1.98E-02	9.22E-04	2.10E-01	5.36E-03	7.32E-01	2.96E-03	3.22E-01	4.86E-04	2.42E-02	5.11E-03	1.32E+00	
358.6	4247.3	4.39E-04	2.57E-02	1.20E-03	2.03E-01	7.42E-03	1.01E+00	3.61E-03	4.26E-02	6.29E-04	2.39E-02	2.65E-03	1.32E+00	
358.986	4247.098	1.08E-03	1.95E-02	1.11E-03	2.41E-01	6.34E-03	9.38E-01	4.50E-03	7.79E-02	5.39E-04	2.63E-02	3.95E-03	1.32E+00	
362.1	4249.8	2.84E-03	1.57E-02	2.08E-03	2.09E-01	1.86E-02	9.88E-01	4.55E-03	3.67E-02	7.49E-04	3.76E-02	3.61E-03	1.32E+00	
359.6	4246.7	9.23E-04	1.73E-02	9.40E-04	2.67E-01	5.56E-03	8.21E-01	3.76E-03	1.69E-01	4.56E-04	2.55E-02	5.34E-03	1.32E+00	
359.1	4246.9	1.14E-03	1.27E-02	7.91E-04	3.61E-01	5.31E-03	8.04E-01	5.29E-03	9.29E-02	3.72E-04	2.80E-02	4.67E-03	1.32E+00	
362.3	4245.8	1.76E-03	1.63E-02	1.68E-03	2.82E-01	6.55E-03	8.98E-01	5.57E-03	7.37E-02	6.44E-04	2.65E-02	4.07E-03	1.32E+00	
362.1	4245.7	1.95E-03	1.68E-02	1.74E-03	2.87E-01	6.20E-03	8.80E-01	5.46E-03	8.56E-02	6.71E-04	2.60E-02	4.12E-03	1.32E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.396	4246.737	9.85E-04	1.22E-02	7.42E-04	3.33E-01	5.26E-03	7.97E-01	4.58E-03	1.27E-01	3.46E-04	2.81E-02	6.21E-03	1.32E+00	
358.6	4247.5	5.09E-04	2.56E-02	1.43E-03	2.21E-01	7.71E-03	9.84E-01	4.25E-03	4.19E-02	6.67E-04	2.57E-02	2.91E-03	1.32E+00	
362.75	4248.75	2.16E-03	1.55E-02	1.68E-03	2.38E-01	1.30E-02	9.61E-01	5.68E-03	3.99E-02	6.41E-04	3.37E-02	3.53E-03	1.31E+00	
358.8	4249.2	6.90E-04	2.07E-02	1.34E-03	1.92E-01	1.61E-02	9.90E-01	3.38E-03	5.27E-02	5.92E-04	3.31E-02	3.67E-03	1.31E+00	
361.4	4250.9	2.11E-03	1.65E-02	2.17E-03	1.96E-01	1.62E-02	1.01E+00	4.08E-03	3.06E-02	7.77E-04	3.33E-02	3.27E-03	1.31E+00	
361.9	4250.1	3.37E-03	1.53E-02	2.32E-03	1.91E-01	2.15E-02	9.96E-01	3.99E-03	3.71E-02	8.24E-04	3.61E-02	3.50E-03	1.31E+00	
358.6	4248.7	4.93E-04	2.01E-02	1.12E-03	2.26E-01	1.25E-02	9.60E-01	3.92E-03	5.05E-02	5.27E-04	3.21E-02	3.61E-03	1.31E+00	
361.3	4251	2.05E-03	1.77E-02	2.24E-03	1.91E-01	1.57E-02	1.01E+00	3.91E-03	2.93E-02	8.04E-04	3.27E-02	3.21E-03	1.31E+00	
362.75	4247.5	1.23E-03	1.44E-02	1.38E-03	2.30E-01	1.18E-02	9.61E-01	4.86E-03	4.68E-02	5.42E-04	3.32E-02	3.56E-03	1.31E+00	
358.8	4249.5	7.40E-04	1.87E-02	1.41E-03	1.66E-01	1.54E-02	1.03E+00	2.96E-03	3.81E-02	5.86E-04	3.05E-02	3.11E-03	1.31E+00	
361.6	4245.7	2.24E-03	1.65E-02	1.80E-03	2.96E-01	5.37E-03	8.53E-01	5.35E-03	9.64E-02	6.79E-04	2.50E-02	4.29E-03	1.31E+00	
360.9	4246.3	1.10E-03	1.50E-02	1.50E-03	2.70E-01	5.64E-03	7.93E-01	4.42E-03	1.86E-01	5.75E-04	2.38E-02	4.62E-03	1.31E+00	
358.7	4247.2	5.77E-04	2.92E-02	1.32E-03	1.81E-01	7.10E-03	1.01E+00	3.56E-03	4.72E-02	7.08E-04	2.40E-02	2.75E-03	1.30E+00	
359.051	4247.057	1.23E-03	1.68E-02	1.02E-03	2.78E-01	6.08E-03	8.80E-01	4.98E-03	8.44E-02	4.86E-04	2.69E-02	4.42E-03	1.30E+00	
361.5	4250.8	2.31E-03	1.58E-02	2.26E-03	2.00E-01	1.68E-02	9.92E-01	4.23E-03	3.18E-02	8.00E-04	3.32E-02	3.31E-03	1.30E+00	
359.9	4250.6	8.91E-04	1.97E-02	1.57E-03	1.58E-01	2.15E-02	1.04E+00	2.98E-03	2.61E-02	6.22E-04	3.29E-02	3.00E-03	1.30E+00	
360	4250.7	9.34E-04	1.95E-02	1.59E-03	1.59E-01	2.06E-02	1.03E+00	2.97E-03	2.57E-02	6.28E-04	3.28E-02	3.00E-03	1.30E+00	
359.7	4248.6	4.68E-04	1.61E-02	7.97E-04	2.15E-01	5.42E-03	7.90E-01	3.36E-03	2.39E-01	4.04E-04	2.39E-02	4.83E-03	1.30E+00	
358.9	4249.7	7.00E-04	1.84E-02	1.48E-03	1.61E-01	1.68E-02	1.03E+00	2.92E-03	3.21E-02	5.91E-04	3.10E-02	2.97E-03	1.30E+00	
361.7	4250.4	3.18E-03	1.58E-02	2.34E-03	2.06E-01	2.10E-02	9.69E-01	4.24E-03	3.58E-02	8.30E-04	3.56E-02	3.56E-03	1.30E+00	
360.1	4250.8	9.76E-04	1.93E-02	1.60E-03	1.64E-01	2.03E-02	1.03E+00	3.06E-03	2.54E-02	6.30E-04	3.32E-02	3.05E-03	1.30E+00	
362.2	4245.7	1.63E-03	1.63E-02	1.62E-03	2.81E-01	6.18E-03	8.74E-01	5.48E-03	7.99E-02	6.31E-04	2.56E-02	3.99E-03	1.30E+00	
361.6	4250.6	2.72E-03	1.56E-02	2.35E-03	2.07E-01	1.81E-02	9.71E-01	4.36E-03	3.38E-02	8.27E-04	3.42E-02	3.44E-03	1.29E+00	
361.8	4245.6	2.50E-03	1.61E-02	1.88E-03	2.88E-01	5.56E-03	8.54E-01	5.42E-03	9.03E-02	7.06E-04	2.48E-02	4.12E-03	1.29E+00	
358.8	4247.1	7.05E-04	2.43E-02	1.12E-03	1.97E-01	6.42E-03	9.69E-01	3.79E-03	5.86E-02	6.00E-04	2.41E-02	3.20E-03	1.29E+00	
359.4	4250.2	6.66E-04	1.79E-02	1.42E-03	1.47E-01	2.08E-02	1.04E+00	2.65E-03	2.57E-02	5.69E-04	3.26E-02	2.92E-03	1.29E+00	
362.75	4249	1.61E-03	1.46E-02	1.57E-03	2.27E-01	1.33E-02	9.50E-01	4.95E-03	3.80E-02	5.99E-04	3.27E-02	3.38E-03	1.29E+00	
362.5	4245.9	1.42E-03	1.57E-02	1.56E-03	2.70E-01	6.84E-03	8.90E-01	5.63E-03	6.55E-02	5.99E-04	2.61E-02	3.84E-03	1.29E+00	
361.9	4245.6	2.64E-03	1.61E-02	1.91E-03	2.83E-01	5.73E-03	8.53E-01	5.46E-03	8.87E-02	7.17E-04	2.50E-02	4.07E-03	1.29E+00	
362.5	4247.3	1.29E-03	1.38E-02	1.40E-03	2.32E-01	1.09E-02	9.32E-01	4.94E-03	5.26E-02	5.37E-04	3.28E-02	3.63E-03	1.29E+00	
362.75	4246.25	1.81E-03	1.67E-02	1.60E-03	2.65E-01	6.93E-03	9.04E-01	5.78E-03	5.26E-02	6.16E-04	2.55E-02	3.65E-03	1.28E+00	
358.5	4248	5.63E-04	2.24E-02	1.41E-03	2.24E-01	9.05E-03	9.44E-01	3.91E-03	4.70E-02	6.37E-04	2.72E-02	3.46E-03	1.28E+00	
362.3	4249.5	1.77E-03	1.40E-02	1.67E-03	2.22E-01	1.75E-02	9.46E-01	5.27E-03	3.49E-02	6.13E-04	3.70E-02	3.62E-03	1.28E+00	
360.5	4251.5	1.04E-03	1.68E-02	1.54E-03	1.62E-01	1.66E-02	1.03E+00	3.15E-03	2.23E-02	5.97E-04	3.20E-02	2.95E-03	1.28E+00	
362	4250	2.85E-03	1.53E-02	2.10E-03	1.92E-01	1.95E-02	9.71E-01	4.09E-03	3.64E-02	7.57E-04	3.55E-02	3.42E-03	1.28E+00	
362.4	4245.8	1.80E-03	1.57E-02	1.67E-03	2.72E-01	6.58E-03	8.78E-01	5.40E-03	6.96E-02	6.34E-04	2.61E-02	3.94E-03	1.28E+00	
362.5	4247.1	1.63E-03	1.51E-02	1.63E-03	2.32E-01	9.91E-03	9.26E-01	5.15E-03	5.70E-02	6.15E-04	2.93E-02	3.46E-03	1.28E+00	
359.8	4250.5	8.59E-04	1.99E-02	1.54E-03	1.58E-01	2.22E-02	1.01E+00	3.02E-03	2.66E-02	6.17E-04	3.30E-02	3.00E-03	1.28E+00	
358.5	4248.7	4.68E-04	1.95E-02	1.09E-03	2.18E-01	1.12E-02	9.41E-01	3.75E-03	4.57E-02	5.11E-04	2.98E-02	3.40E-03	1.28E+00	
362.5	4247.2	1.36E-03	1.42E-02	1.47E-03	2.27E-01	1.03E-02	9.27E-01	4.91E-03	5.33E-02	5.60E-04	3.06E-02	3.49E-03	1.27E+00	
362.2	4249.7	2.52E-03	1.49E-02	1.95E-03	2.08E-01	1.71E-02	9.47E-01	4.86E-03	3.50E-02	7.00E-04	3.70E-02	3.58E-03	1.27E+00	
361.7	4245.6	2.51E-03	1.61E-02	1.85E-03	2.86E-01	5.32E-03	8.36E-01	5.23E-03	8.97E-02	6.94E-04	2.44E-02	4.11E-03	1.27E+00	
361.8	4250.3	3.20E-03	1.52E-02	2.18E-03	1.92E-01	2.17E-02	9.58E-01	3.92E-03	3.61E-02	7.80E-04	3.43E-02	3.41E-03	1.27E+00	
360.295	4246.592	4.75E-04	1.77E-02	1.06E-03	2.05E-01	6.01E-03	6.92E-01	3.44E-03	3.13E-01	4.92E-04	2.55E-02	5.33E-03	1.27E+00	
359.5	4250.3	7.08E-04	1.86E-02	1.45E-03	1.48E-01	2.07E-02	1.02E+00	2.71E-03	2.54E-02	5.85E-04	3.20E-02	2.88E-03	1.27E+00	
359.1	4246.8	1.12E-03	1.17E-02	7.56E-04	3.55E-01	4.91E-03	7.51E-01	5.15E-03	1.08E-01	3.50E-04	2.69E-02	4.95E-03	1.27E+00	
362.3	4245.7	1.45E-03	1.57E-02	1.54E-03	2.73E-01	6.19E-03	8.62E-01	5.43E-03	7.40E-02	5.99E-04	2.52E-02	3.86E-03	1.27E+00	
362	4245.6	2.67E-03	1.61E-02	1.89E-03	2.77E-01	5.83E-03	8.43E-01	5.31E-03	8.60E-02	7.12E-04	2.51E-02	4.02E-03	1.27E+00	
359.6	4250.4	7.71E-04	1.94E-02	1.51E-03	1.50E-01	2.06E-02	1.01E+00	2.80E-03	2.53E-02	6.08E-04	3.15E-02	2.84E-03	1.26E+00	
358.5	4247.9	6.19E-04	2.26E-02	1.44E-03	2.18E-01	8.48E-03	9.37E-01	3.58E-03	3.92E-02	6.46E-04	2.69E-02	3.41E-03	1.26E+00	
358.7	4249.1	6.32E-04	1.98E-02	1.28E-03	1.91E-01	1.42E-02	9.39E-01	3.19E-03	5.61E-02	5.63E-04	3.13E-02	3.57E-03	1.26E+00	
359.3	4246.7	8.07E-04	9.98E-03	6.20E-04	3.32E-01	4.92E-03	7.57E-01	4.68E-03	1.17E-01	2.87E-04	2.68E-02	5.89E-03	1.26E+00	
358.925	4247.049	9.22E-04	1.86E-02	9.91E-04	2.32E-01	6.01E-03	8.95E-01	4.29E-03	7.09E-02	4.95E-04	2.49E-02	3.81E-03	1.26E+00	
358.6	4247.2	5.66E-04	2.78E-02	1.31E-03	1.75E-01	6.94E-03	9.72E-01	3.36E-03	4.47E-02	6.85E-04	2.28E-02	2.59E-03	1.26E+00	
362.5	4249.3	1.95E-03	1.33E-02	1.78E-03	2.28E-01	1.53E-02	9.16E-01	5.35E-03	3.72E-02	6.43E-04	3.40E-02	3.45E-03	1.26E+00	
358.7	4247.1	7.61E-04	2.63E-02	1.26E-03	1.82E-01	6.41E-03	9.54E-01	3.57E-03	5.19E-02	6.57E-04	2.32E-02	2.95E-03	1.25E+00	
362.1	4245.6	2.12E-03	1.60E-02	1.73E-03	2.73E-01	5.87E-03	8.36E-01	5.17E-03	8.32E-02	6.63E-04	2.49E-02	3.95E-03	1.25E+00	
362.1	4249.9	2.71E-03	1.51E-02	2.01E-03	1.96E-01	1.76E-02	9.41E-01	4.19E-03	3.55E-02	7.26E-04	3.48E-02	3.37E-03	1.25E+00	
358.5	4248.2	6.18E-04	2.11E-02	1.46E-03	2.18E-01	9.80E-03	9.26E-01	3.49E-03	4.17E-02	6.30E-04	2.71E-02	3.27E-03	1.25E+00	
360.8	4246.3	9.32E-04	1.34E-02	1.30E-03	2.58E-01	5.54E-03	7.42E-01	4.35E-03	1.97E-01	4.99E-04	2.29E-02	4.39E-03	1.25E+00	
358.7	4249.4	6.71E-04	1.77E-02	1.25E-03	1.60E-01	1.39E-02	9.79E-01	2.84E-03	4.13E-02	5.33E-04	2.85E-02	3.01E-03	1.25E+00	
361.4	4245.8	2.14E-03	1.59E-02	1.83E-03	2.81E-01	5.12E-03	8.07E-01	5.14E-03	1.02E-01	6.82E-04	2.34E-02	4.14E-03	1.25E+00	
361.3	4245.9	2.49E-03	1.58E-02	1.96E-03	2.79E-01	5.18E-03	8.00E-01	5.01E-03	1.11E-01	7.20E-04	2.33E-02	4.21E-03	1.25E+00	
361.6	4250.7	2.52E-03	1.51E-02	2.27E-03	1.99E-01	1.66E-02	9.38E-01	4.20E-03	3.24E-02	7.98E-04	3.23E-02	3.27E-03	1.25E+00	
361	4251.5	1.24E-03	1.75E-02	1.70E-03	1.74E-01	1.49E-02	9.75E-01	3.58E-03	2.45E-02	6.49E-04	3.10E-02	2.95E-03	1.25E+00	
359.562	4246.666	8.62E-04	1.66E-02	8.92E-04	2.56E-01	5.38E-03	7.70E-01	3.60E-03	1.64E-01	4.35E-04	2.41E-02	5.00E-03	1.25E+00	
359	4247	1.06E-03	1.57E-02	9.06E-04	2.76E-01	5.72E-03	8.38E-01	4.80E-03	7.28E-02	4.40E-04	2.56E-02	4.28E-03	1.25E+00	
362.5	4245.8	1.55E-03	1.53E-02	1.58E-03	2.62E-01	6.56E-03	8.56E-01	5.32E-03	6.58E-02	6.00E-04	2.54E-02	3.76E-03	1.24E+00	
362.75	4246.75	1.56E-03	1.56E-02	1.55E-03	2.45E-01	7.91E-03	8.82E-01	5.76E-03	5.56E-02	5.95E-04	2.52E-02	3.31E-03	1.24E+00	
358.5	4247.3	4.74E-04	2.32E-02	1.20E-03	2.01E-01	7.00E-03	9.41E-01	3.54E-03	3.99E-02	5.91E-04	2.26E-02	2.52E-03	1.24E+00	
362.4	4249.4	1.68E-03	1.32E-02	1.60E-03	2.20E-01	1.64E-02	9.10E-01	5.07E-03	3.54E-02	5.90E-04	3.44E-02	3.45E-03	1.24E+00	
362.2	4245.6	1.75E-03	1.58E-02	1.62E-03	2.70E-01	5.87E-03	8.33E-01	5.17E-03	7.97E-02	6.26E-04	2.44E-02	3.83E-03	1.24E+00	
361.9	4250.2	3.03E-03	1.47E-02	2.09E-03	1.82E-01	2.03E-02	9.41E-01	3.76E-03	3.58E-02	7.50E-04	3.35E-02	3.29E-03	1.24E+00	
358.8	4249.6	7.23E-04	1.79E-02	1.41E-03	1.58E-01	1.50E-02	9.77E-01	2.83E-03	3.46E-02	5.75E-04	2.91E-02	2.93E-03	1.24E+00	
361.4	4251	2.01E-03	1.60E-02	2.10E-03	1.86E-01	1.48E-02	9.51E-01	3.87E-03	2.92E-02	7.52E-04	3.10E-02	3.08E-03	1.24E+00	
361.5	4245.7	1.99E-03	1.59E-02	1.72E-03	2.79E-01	5.08E-03	8.08E-01	5.15E-03	9.42E-02	6.49E-04	2.35E-02	4.07E-03	1.24E+00	
361.5	4250.9	2.07E-03	1.52E-02	2.03E-03	1.91E-01	1.53E-02	9.44E-01	4.03E-03	3.04E-02	7.28E-04	3.12E-02	3.12E-03	1.24E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
362.4	4245.7	1.47E-03	1.53E-02	1.53E-03	2.64E-01	6.23E-03	8.45E-01	5.27E-03	6.92E-02	5.90E-04	2.50E-02	3.76E-03	1.24E+00	
359.2	4246.7	1.01E-03	1.01E-02	6.83E-04	3.44E-01	4.71E-03	7.31E-01	4.95E-03	1.08E-01	3.07E-04	2.62E-02	5.52E-03	1.24E+00	
361.2	4246	1.96E-03	1.57E-02	1.80E-03	2.73E-01	5.26E-03	7.85E-01	4.74E-03	1.20E-01	6.68E-04	2.32E-02	4.22E-03	1.24E+00	
358.5	4248.1	5.29E-04	1.98E-02	1.36E-03	2.10E-01	9.50E-03	9.13E-01	3.81E-03	4.63E-02	5.89E-04	2.62E-02	3.19E-03	1.23E+00	
359	4249.9	6.70E-04	1.68E-02	1.39E-03	1.49E-01	1.73E-02	9.86E-01	2.73E-03	2.77E-02	5.46E-04	2.99E-02	2.75E-03	1.23E+00	
359.1	4250	6.71E-04	1.62E-02	1.37E-03	1.45E-01	1.79E-02	9.91E-01	2.65E-03	2.65E-02	5.33E-04	3.02E-02	2.74E-03	1.23E+00	
358.5	4247.4	3.94E-04	2.21E-02	1.13E-03	2.11E-01	7.08E-03	9.21E-01	3.95E-03	4.05E-02	5.58E-04	2.33E-02	2.59E-03	1.23E+00	
361.7	4250.5	2.96E-03	1.52E-02	2.28E-03	1.99E-01	1.85E-02	9.19E-01	4.11E-03	3.42E-02	8.05E-04	3.33E-02	3.37E-03	1.23E+00	
359.8	4250.6	8.34E-04	1.88E-02	1.50E-03	1.47E-01	1.98E-02	9.81E-01	2.83E-03	2.49E-02	5.94E-04	3.05E-02	2.77E-03	1.23E+00	
359.8	4246.5	3.59E-04	1.64E-02	7.92E-04	1.97E-01	5.24E-03	6.75E-01	2.91E-03	3.03E-01	4.07E-04	2.23E-02	4.69E-03	1.23E+00	
362.3	4249.6	2.10E-03	1.41E-02	1.82E-03	2.10E-01	1.63E-02	9.05E-01	5.06E-03	3.37E-02	6.53E-04	3.55E-02	3.48E-03	1.23E+00	
361.9	4245.5	1.99E-03	1.54E-02	1.71E-03	2.70E-01	5.40E-03	8.16E-01	5.21E-03	8.32E-02	6.48E-04	2.37E-02	3.85E-03	1.23E+00	
361.8	4245.5	2.43E-03	1.55E-02	1.82E-03	2.74E-01	5.23E-03	8.11E-01	5.12E-03	8.37E-02	6.79E-04	2.35E-02	3.88E-03	1.23E+00	
358.8	4249.3	6.94E-04	1.88E-02	1.28E-03	1.80E-01	1.60E-02	9.23E-01	3.24E-03	4.68E-02	5.53E-04	3.20E-02	3.44E-03	1.23E+00	
361	4246.2	1.78E-03	1.51E-02	1.77E-03	2.58E-01	5.45E-03	7.63E-01	4.29E-03	1.48E-01	6.53E-04	2.29E-02	4.25E-03	1.23E+00	
362.3	4245.6	1.50E-03	1.53E-02	1.53E-03	2.65E-01	5.87E-03	8.28E-01	5.22E-03	7.48E-02	5.93E-04	2.41E-02	3.70E-03	1.23E+00	
359.2	4250.1	6.41E-04	1.59E-02	1.30E-03	1.41E-01	1.85E-02	9.85E-01	2.55E-03	2.55E-02	5.12E-04	3.05E-02	2.75E-03	1.22E+00	
361.6	4245.6	2.45E-03	1.57E-02	1.80E-03	2.76E-01	5.05E-03	8.02E-01	5.06E-03	8.81E-02	6.71E-04	2.34E-02	3.98E-03	1.22E+00	
358.9	4249.8	6.78E-04	1.72E-02	1.45E-03	1.51E-01	1.63E-02	9.73E-01	2.76E-03	2.93E-02	5.66E-04	2.93E-02	2.77E-03	1.22E+00	
358.5	4247.6	4.32E-04	2.29E-02	1.27E-03	1.99E-01	7.21E-03	9.16E-01	3.67E-03	4.43E-02	5.95E-04	2.43E-02	2.89E-03	1.22E+00	
359	4246.9	9.96E-04	1.34E-02	7.82E-04	3.14E-01	5.22E-03	7.76E-01	4.86E-03	7.76E-02	3.78E-04	2.53E-02	4.17E-03	1.22E+00	
358.5	4247.5	4.16E-04	2.36E-02	1.24E-03	2.03E-01	7.10E-03	9.12E-01	3.92E-03	4.02E-02	6.01E-04	2.37E-02	2.67E-03	1.22E+00	
361.1	4246.1	2.02E-03	1.54E-02	1.83E-03	2.62E-01	5.34E-03	7.66E-01	4.43E-03	1.31E-01	6.72E-04	2.29E-02	4.19E-03	1.22E+00	
362	4250.1	3.11E-03	1.46E-02	2.22E-03	1.81E-01	1.85E-02	9.20E-01	3.81E-03	3.52E-02	7.83E-04	3.30E-02	3.23E-03	1.22E+00	
358.5	4247.8	5.27E-04	2.06E-02	1.31E-03	2.00E-01	7.91E-03	9.14E-01	3.41E-03	3.72E-02	5.80E-04	2.53E-02	3.03E-03	1.21E+00	
358.6	4249	5.94E-04	1.82E-02	1.19E-03	1.90E-01	1.28E-02	8.99E-01	3.09E-03	5.41E-02	5.15E-04	3.03E-02	3.46E-03	1.21E+00	
359.6	4246.6	5.77E-04	1.58E-02	7.94E-04	2.18E-01	5.25E-03	7.53E-01	3.34E-03	1.89E-01	4.00E-04	2.26E-02	4.50E-03	1.21E+00	
362.2	4249.8	2.62E-03	1.46E-02	1.97E-03	1.96E-01	1.61E-02	9.05E-01	4.42E-03	3.41E-02	7.02E-04	3.42E-02	3.33E-03	1.21E+00	
358.5	4247.7	4.81E-04	2.09E-02	1.28E-03	1.93E-01	7.47E-03	9.12E-01	3.43E-03	4.38E-02	5.72E-04	2.43E-02	2.94E-03	1.21E+00	
359.7	4250.5	7.90E-04	1.89E-02	1.46E-03	1.49E-01	2.02E-02	9.58E-01	2.85E-03	2.52E-02	5.87E-04	3.06E-02	2.78E-03	1.21E+00	
362	4245.5	1.97E-03	1.53E-02	1.69E-03	2.64E-01	5.51E-03	8.06E-01	5.11E-03	8.08E-02	6.44E-04	2.38E-02	3.80E-03	1.21E+00	
360.1	4250.9	9.39E-04	1.82E-02	1.51E-03	1.55E-01	1.81E-02	9.54E-01	2.89E-03	2.40E-02	5.95E-04	3.06E-02	2.84E-03	1.21E+00	
359.9	4250.7	8.70E-04	1.86E-02	1.52E-03	1.47E-01	1.91E-02	9.59E-01	2.77E-03	2.45E-02	5.99E-04	3.03E-02	2.77E-03	1.21E+00	
358.6	4247.1	8.06E-04	2.64E-02	1.37E-03	1.71E-01	6.36E-03	9.26E-01	3.34E-03	4.65E-02	6.81E-04	2.22E-02	2.74E-03	1.21E+00	
359	4246.8	1.27E-03	1.18E-02	8.10E-04	3.27E-01	4.83E-03	7.33E-01	4.81E-03	9.38E-02	3.69E-04	2.53E-02	4.38E-03	1.21E+00	
362.5	4245.7	1.59E-03	1.48E-02	1.55E-03	2.55E-01	6.25E-03	8.27E-01	5.09E-03	6.55E-02	5.90E-04	2.45E-02	3.66E-03	1.21E+00	
359.3	4250.2	6.30E-04	1.64E-02	1.32E-03	1.39E-01	1.89E-02	9.69E-01	2.49E-03	2.47E-02	5.25E-04	3.03E-02	2.73E-03	1.21E+00	
361.8	4250.4	3.26E-03	1.49E-02	2.30E-03	1.87E-01	1.95E-02	9.02E-01	3.82E-03	3.45E-02	8.09E-04	3.22E-02	3.25E-03	1.20E+00	
360.1	4246.5	5.00E-04	2.26E-02	1.11E-03	1.97E-01	5.48E-03	7.50E-01	2.94E-03	1.93E-01	5.69E-04	2.46E-02	4.97E-03	1.20E+00	
361.6	4250.8	2.31E-03	1.47E-02	2.15E-03	1.91E-01	1.53E-02	9.06E-01	4.03E-03	3.12E-02	7.57E-04	3.05E-02	3.11E-03	1.20E+00	
358.5	4248.8	4.98E-04	1.92E-02	1.10E-03	2.01E-01	1.15E-02	8.85E-01	3.36E-03	4.75E-02	5.08E-04	2.94E-02	3.33E-03	1.20E+00	
362.75	4246	1.31E-03	1.50E-02	1.42E-03	2.43E-01	6.41E-03	8.48E-01	5.42E-03	5.34E-02	5.48E-04	2.38E-02	3.48E-03	1.20E+00	
358.5	4247.2	5.60E-04	2.54E-02	1.27E-03	1.72E-01	6.73E-03	9.25E-01	3.20E-03	4.22E-02	6.43E-04	2.16E-02	2.44E-03	1.20E+00	
358.9	4247	8.74E-04	1.69E-02	8.99E-04	2.35E-01	5.70E-03	8.45E-01	4.29E-03	6.43E-02	4.51E-04	2.41E-02	3.80E-03	1.20E+00	
359.7	4246.5	3.73E-04	1.43E-02	7.19E-04	1.94E-01	5.11E-03	6.86E-01	3.00E-03	2.70E-01	3.62E-04	2.16E-02	4.34E-03	1.20E+00	
362.4	4245.6	1.23E-03	1.48E-02	1.42E-03	2.57E-01	5.89E-03	8.15E-01	5.13E-03	6.97E-02	5.53E-04	2.39E-02	3.59E-03	1.20E+00	
361.7	4245.5	2.55E-03	1.54E-02	1.81E-03	2.69E-01	5.01E-03	7.88E-01	4.94E-03	8.22E-02	6.72E-04	2.30E-02	3.83E-03	1.20E+00	
360.25	4251.25	9.18E-04	1.67E-02	1.44E-03	1.50E-01	1.63E-02	9.52E-01	2.89E-03	2.19E-02	5.65E-04	2.95E-02	2.74E-03	1.20E+00	
359.1	4246.7	1.37E-03	1.08E-02	8.21E-04	3.34E-01	4.57E-03	7.04E-01	4.94E-03	1.01E-01	3.59E-04	2.51E-02	5.01E-03	1.19E+00	
362.1	4250	2.56E-03	1.45E-02	1.93E-03	1.84E-01	1.68E-02	8.98E-01	3.90E-03	3.44E-02	6.99E-04	3.25E-02	3.17E-03	1.19E+00	
362.1	4245.5	2.10E-03	1.53E-02	1.70E-03	2.60E-01	5.56E-03	7.95E-01	4.93E-03	7.89E-02	6.46E-04	2.37E-02	3.75E-03	1.19E+00	
359.4	4250.3	6.53E-04	1.70E-02	1.36E-03	1.38E-01	1.88E-02	9.54E-01	2.52E-03	2.42E-02	5.45E-04	2.98E-02	2.69E-03	1.19E+00	
358.7	4247	7.84E-04	2.12E-02	1.03E-03	1.91E-01	5.75E-03	8.87E-01	3.57E-03	5.09E-02	5.35E-04	2.23E-02	3.11E-03	1.19E+00	
362.2	4245.5	1.61E-03	1.52E-02	1.55E-03	2.59E-01	5.58E-03	7.93E-01	4.87E-03	7.70E-02	5.99E-04	2.34E-02	3.67E-03	1.18E+00	
362.4	4249.5	1.65E-03	1.31E-02	1.58E-03	2.09E-01	1.55E-02	8.68E-01	4.82E-03	3.36E-02	5.79E-04	3.31E-02	3.31E-03	1.18E+00	
358.5	4249	5.71E-04	1.75E-02	1.15E-03	1.78E-01	1.14E-02	8.91E-01	2.88E-03	4.89E-02	4.99E-04	2.80E-02	3.19E-03	1.18E+00	
360.1	4251	9.30E-04	1.75E-02	1.50E-03	1.47E-01	1.64E-02	9.41E-01	2.74E-03	2.27E-02	5.83E-04	2.86E-02	2.67E-03	1.18E+00	
358.8	4249.7	6.91E-04	1.71E-02	1.40E-03	1.50E-01	1.47E-02	9.32E-01	2.71E-03	3.15E-02	5.60E-04	2.79E-02	2.76E-03	1.18E+00	
361.7	4250.6	2.74E-03	1.47E-02	2.21E-03	1.92E-01	1.65E-02	8.80E-01	3.99E-03	3.28E-02	7.79E-04	3.13E-02	3.19E-03	1.18E+00	
362.3	4245.5	1.42E-03	1.49E-02	1.48E-03	2.57E-01	5.58E-03	7.93E-01	4.92E-03	7.39E-02	5.75E-04	2.31E-02	3.56E-03	1.18E+00	
362.75	4249.25	1.36E-03	1.31E-02	1.44E-03	2.17E-01	1.26E-02	8.58E-01	4.90E-03	3.55E-02	5.43E-04	3.09E-02	3.18E-03	1.18E+00	
359.5	4250.4	7.02E-04	1.77E-02	1.41E-03	1.40E-01	1.88E-02	9.41E-01	2.60E-03	2.39E-02	5.66E-04	2.94E-02	2.66E-03	1.18E+00	
358.5	4248.9	5.40E-04	1.85E-02	1.13E-03	1.90E-01	1.15E-02	8.71E-01	3.07E-03	4.90E-02	5.03E-04	2.89E-02	3.29E-03	1.18E+00	
361.9	4250.3	2.93E-03	1.42E-02	2.01E-03	1.75E-01	1.91E-02	8.90E-01	3.60E-03	3.46E-02	7.22E-04	3.12E-02	3.11E-03	1.16E+00	
362.3	4249.7	2.13E-03	1.40E-02	1.79E-03	1.98E-01	1.52E-02	8.69E-01	4.75E-03	3.28E-02	6.44E-04	3.36E-02	3.30E-03	1.18E+00	
361.25	4251.25	1.61E-03	1.71E-02	1.86E-03	1.74E-01	1.36E-02	9.03E-01	3.56E-03	2.63E-02	6.91E-04	2.89E-02	2.86E-03	1.17E+00	
363	4248.5	1.04E-03	1.36E-02	1.24E-03	2.22E-01	9.59E-03	8.51E-01	5.04E-03	3.75E-02	4.93E-04	2.78E-02	2.99E-03	1.17E+00	
361.9	4245.4	1.79E-03	1.48E-02	1.63E-03	2.58E-01	5.10E-03	7.80E-01	4.94E-03	7.79E-02	6.15E-04	2.25E-02	3.64E-03	1.17E+00	
362.5	4249.4	1.88E-03	1.27E-02	1.69E-03	2.11E-01	1.45E-02	8.52E-01	4.87E-03	3.49E-02	6.09E-04	3.16E-02	3.23E-03	1.17E+00	
362.5	4245.6	1.38E-03	1.44E-02	1.46E-03	2.48E-01	5.93E-03	7.99E-01	4.92E-03	6.52E-02	5.59E-04	2.36E-02	3.51E-03	1.17E+00	
360	4250.8	8.92E-04	1.81E-02	1.48E-03	1.49E-01	1.84E-02	9.19E-01	2.78E-03	2.41E-02	5.83E-04	2.99E-02	2.76E-03	1.17E+00	
361.5	4251	1.91E-03	1.47E-02	1.91E-03	1.82E-01	1.40E-02	8.84E-01	3.84E-03	2.91E-02	6.87E-04	2.92E-02	2.94E-03	1.16E+00	
362.4	4245.5	1.19E-03	1.44E-02	1.39E-03	2.50E-01	5.59E-03	7.87E-01	4.92E-03	6.96E-02	5.40E-04	2.28E-02	3.45E-03	1.16E+00	
358.25	4248.75	4.88E-04	1.82E-02	1.12E-03	1.91E-01	8.93E-03	8.72E-01	3.21E-03	3.71E-02	5.01E-04	2.48E-02	2.90E-03	1.16E+00	
361.8	4245.4	1.89E-03	1.49E-02	1.63E-03	2.59E-01	4.93E-03	7.69E-01	4.81E-03	7.76E-02	6.15E-04	2.23E-02	3.65E-03	1.16E+00	
362.2	4249.9	2.66E-03	1.42E-02	1.97E-03	1.86E-01	1.53E-02	8.67E-01	4.07E-03	3.32E-02	6.99E-04	3.18E-02	3.13E-03	1.16E+00	
361.5	4245.6	2.02E-03	1.50E-02	1.70E-03	2.59E-01	4.80E-03	7.59E-01	4.85E-03	8.71E-02	6.32E-04	2.18E-02	3.74E-03	1.16E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
358.25	4248.5	4.58E-04	1.62E-02	9.70E-04	2.12E-01	8.43E-03	8.53E-01	3.27E-03	3.79E-02	4.48E-04	2.38E-02	2.91E-03	1.16E+00	
358.6	4247	8.14E-04	2.30E-02	1.13E-03	1.77E-01	5.77E-03	8.76E-01	3.32E-03	4.59E-02	5.82E-04	2.14E-02	2.86E-03	1.16E+00	
361.4	4245.7	1.73E-03	1.49E-02	1.66E-03	2.57E-01	4.84E-03	7.53E-01	4.76E-03	9.38E-02	6.18E-04	2.16E-02	3.76E-03	1.16E+00	
361.6	4250.9	2.08E-03	1.43E-02	1.97E-03	1.84E-01	1.42E-02	8.74E-01	3.88E-03	3.00E-02	7.01E-04	2.89E-02	2.95E-03	1.16E+00	
362	4245.4	1.48E-03	1.47E-02	1.53E-03	2.52E-01	5.21E-03	7.73E-01	4.91E-03	7.65E-02	5.86E-04	2.26E-02	3.59E-03	1.16E+00	
360.9	4246.2	1.39E-03	1.35E-02	1.54E-03	2.37E-01	5.27E-03	7.13E-01	3.98E-03	1.53E-01	5.68E-04	2.14E-02	3.95E-03	1.15E+00	
362	4250.2	2.88E-03	1.40E-02	2.05E-03	1.71E-01	1.75E-02	8.72E-01	3.58E-03	3.41E-02	7.30E-04	3.08E-02	3.04E-03	1.15E+00	
359	4246.7	1.47E-03	1.09E-02	8.57E-04	3.18E-01	4.49E-03	6.92E-01	4.76E-03	9.02E-02	3.74E-04	2.41E-02	4.61E-03	1.15E+00	
358.5	4247.1	7.60E-04	2.56E-02	1.36E-03	1.61E-01	6.27E-03	8.87E-01	3.15E-03	4.13E-02	6.68E-04	2.10E-02	2.53E-03	1.15E+00	
359.7	4250.6	7.63E-04	1.77E-02	1.40E-03	1.39E-01	1.81E-02	9.15E-01	2.68E-03	2.36E-02	5.57E-04	2.81E-02	2.57E-03	1.15E+00	
361.6	4245.5	2.49E-03	1.50E-02	1.77E-03	2.57E-01	4.77E-03	7.55E-01	4.81E-03	8.12E-02	6.53E-04	2.18E-02	3.68E-03	1.15E+00	
358.9	4246.9	1.01E-03	1.43E-02	8.32E-04	2.68E-01	5.17E-03	7.61E-01	4.50E-03	6.57E-02	4.02E-04	2.33E-02	3.79E-03	1.15E+00	
361.3	4245.8	2.16E-03	1.47E-02	1.80E-03	2.52E-01	4.89E-03	7.40E-01	4.57E-03	1.01E-01	6.60E-04	2.13E-02	3.77E-03	1.15E+00	
358.6	4249.1	5.88E-04	1.77E-02	1.18E-03	1.77E-01	1.26E-02	8.49E-01	2.93E-03	5.15E-02	5.12E-04	2.86E-02	3.27E-03	1.15E+00	
359.6	4250.5	7.29E-04	1.78E-02	1.39E-03	1.40E-01	1.85E-02	9.08E-01	2.67E-03	2.38E-02	5.59E-04	2.86E-02	2.60E-03	1.14E+00	
360.444	4246.5	5.19E-04	1.25E-02	9.76E-04	2.01E-01	5.68E-03	6.26E-01	3.50E-03	2.69E-01	4.01E-04	2.08E-02	4.21E-03	1.14E+00	
359	4250	6.63E-04	1.54E-02	1.36E-03	1.38E-01	1.61E-02	9.14E-01	2.54E-03	2.57E-02	5.23E-04	2.78E-02	2.56E-03	1.14E+00	
363	4248.25	1.53E-03	1.32E-02	1.39E-03	2.25E-01	9.55E-03	8.20E-01	5.37E-03	3.79E-02	5.34E-04	2.74E-02	2.95E-03	1.14E+00	
360.75	4251.75	1.03E-03	1.60E-02	1.43E-03	1.55E-01	1.32E-02	9.02E-01	3.16E-03	2.15E-02	5.60E-04	2.75E-02	2.61E-03	1.14E+00	
358.9	4249.9	6.52E-04	1.60E-02	1.36E-03	1.41E-01	1.55E-02	9.09E-01	2.59E-03	2.68E-02	5.30E-04	2.75E-02	2.57E-03	1.14E+00	
359.1	4250.1	6.40E-04	1.49E-02	1.27E-03	1.34E-01	1.66E-02	9.16E-01	2.45E-03	2.47E-02	4.92E-04	2.81E-02	2.55E-03	1.14E+00	
361.8	4250.5	2.98E-03	1.44E-02	2.19E-03	1.82E-01	1.73E-02	8.52E-01	3.72E-03	3.31E-02	7.70E-04	3.04E-02	3.10E-03	1.14E+00	
362.75	4247.25	1.23E-03	1.24E-02	1.30E-03	1.99E-01	9.51E-03	8.35E-01	4.08E-03	4.62E-02	4.95E-04	2.88E-02	3.21E-03	1.14E+00	
362.4	4249.6	1.67E-03	1.31E-02	1.59E-03	2.01E-01	1.46E-02	8.36E-01	4.71E-03	3.23E-02	5.78E-04	3.22E-02	3.20E-03	1.14E+00	
358.9	4246.8	1.26E-03	1.26E-02	8.40E-04	2.95E-01	4.76E-03	7.13E-01	4.52E-03	7.95E-02	3.86E-04	2.34E-02	3.85E-03	1.14E+00	
361.7	4250.7	2.56E-03	1.42E-02	2.17E-03	1.86E-01	1.51E-02	8.49E-01	3.86E-03	3.15E-02	7.60E-04	2.95E-02	3.04E-03	1.14E+00	
362.1	4245.4	1.61E-03	1.47E-02	1.55E-03	2.47E-01	5.28E-03	7.60E-01	4.73E-03	7.46E-02	5.95E-04	2.26E-02	3.55E-03	1.14E+00	
362.75	4245.75	1.20E-03	1.40E-02	1.37E-03	2.32E-01	6.03E-03	7.91E-01	5.07E-03	5.68E-02	5.25E-04	2.26E-02	3.28E-03	1.13E+00	
362.1	4250.1	2.80E-03	1.39E-02	2.04E-03	1.74E-01	1.61E-02	8.54E-01	3.67E-03	3.33E-02	7.22E-04	3.04E-02	3.00E-03	1.13E+00	
362.5	4245.5	1.18E-03	1.40E-02	1.36E-03	2.41E-01	5.62E-03	7.74E-01	4.78E-03	6.50E-02	5.27E-04	2.26E-02	3.36E-03	1.13E+00	
358.7	4249.2	6.26E-04	1.83E-02	1.22E-03	1.72E-01	1.41E-02	8.40E-01	3.04E-03	5.03E-02	5.31E-04	2.86E-02	3.24E-03	1.13E+00	
359.383	4246.627	7.03E-04	1.24E-02	6.70E-04	2.61E-01	4.93E-03	6.88E-01	3.75E-03	1.33E-01	3.29E-04	2.33E-02	4.87E-03	1.13E+00	
358.7	4249.6	6.77E-04	1.64E-02	1.24E-03	1.46E-01	1.33E-02	8.88E-01	2.62E-03	3.39E-02	5.14E-04	2.63E-02	2.71E-03	1.13E+00	
359.8	4250.7	8.10E-04	1.77E-02	1.45E-03	1.38E-01	1.78E-02	8.99E-01	2.63E-03	2.33E-02	5.69E-04	2.80E-02	2.57E-03	1.13E+00	
359.2	4250.2	6.15E-04	1.51E-02	1.24E-03	1.32E-01	1.71E-02	9.06E-01	2.37E-03	2.39E-02	4.88E-04	2.83E-02	2.56E-03	1.13E+00	
362.2	4245.4	1.71E-03	1.47E-02	1.56E-03	2.47E-01	5.31E-03	7.55E-01	4.59E-03	7.29E-02	5.95E-04	2.25E-02	3.51E-03	1.13E+00	
362.3	4245.4	1.40E-03	1.45E-02	1.45E-03	2.47E-01	5.31E-03	7.57E-01	4.59E-03	7.08E-02	5.61E-04	2.22E-02	3.43E-03	1.13E+00	
361.7	4245.4	1.97E-03	1.47E-02	1.61E-03	2.53E-01	4.73E-03	7.44E-01	4.69E-03	7.63E-02	6.02E-04	2.16E-02	3.56E-03	1.13E+00	
362.3	4249.8	2.34E-03	1.37E-02	1.85E-03	1.88E-01	1.42E-02	8.35E-01	4.39E-03	3.21E-02	6.58E-04	3.14E-02	3.11E-03	1.13E+00	
359.2	4246.6	1.13E-03	9.05E-03	6.87E-04	2.94E-01	4.46E-03	6.73E-01	4.17E-03	1.10E-01	2.94E-04	2.35E-02	4.96E-03	1.13E+00	
358.8	4249.8	6.50E-04	1.62E-02	1.34E-03	1.42E-01	1.44E-02	8.89E-01	2.59E-03	2.86E-02	5.29E-04	2.67E-02	2.59E-03	1.12E+00	
361.2	4245.9	1.92E-03	1.45E-02	1.71E-03	2.43E-01	4.95E-03	7.20E-01	4.26E-03	1.08E-01	6.27E-04	2.11E-02	3.75E-03	1.12E+00	
359.7	4246.4	4.32E-04	1.52E-02	8.14E-04	1.78E-01	4.84E-03	6.54E-01	2.71E-03	2.43E-01	3.93E-04	2.01E-02	3.83E-03	1.12E+00	
359.1	4246.6	1.17E-03	9.64E-03	7.15E-04	3.06E-01	4.29E-03	6.63E-01	4.51E-03	1.04E-01	3.11E-04	2.33E-02	4.89E-03	1.12E+00	
358.7	4249.3	6.40E-04	1.73E-02	1.19E-03	1.66E-01	1.41E-02	8.40E-01	2.95E-03	4.55E-02	5.12E-04	2.87E-02	3.15E-03	1.12E+00	
363	4248.75	1.29E-03	1.36E-02	1.28E-03	2.06E-01	1.06E-02	8.15E-01	5.08E-03	3.60E-02	5.03E-04	2.77E-02	2.96E-03	1.12E+00	
362.4	4245.4	1.16E-03	1.41E-02	1.35E-03	2.43E-01	5.31E-03	7.57E-01	4.66E-03	6.79E-02	5.26E-04	2.18E-02	3.32E-03	1.12E+00	
361.9	4250.4	3.08E-03	1.39E-02	2.14E-03	1.70E-01	1.77E-02	8.42E-01	3.48E-03	3.33E-02	7.51E-04	2.93E-02	2.96E-03	1.12E+00	
359.6	4246.5	4.09E-04	1.36E-02	6.81E-04	1.91E-01	4.96E-03	6.78E-01	3.11E-03	2.00E-01	3.44E-04	2.07E-02	4.07E-03	1.12E+00	
358.5	4247	8.28E-04	2.37E-02	1.20E-03	1.65E-01	5.74E-03	8.51E-01	3.13E-03	4.11E-02	6.06E-04	2.05E-02	2.65E-03	1.12E+00	
359.3	4250.3	6.16E-04	1.57E-02	1.28E-03	1.30E-01	1.73E-02	8.94E-01	2.35E-03	2.33E-02	5.07E-04	2.79E-02	2.53E-03	1.12E+00	
361.9	4245.3	1.75E-03	1.44E-02	1.58E-03	2.47E-01	4.82E-03	7.43E-01	4.66E-03	7.29E-02	5.96E-04	2.14E-02	3.45E-03	1.12E+00	
360.8	4246.2	1.01E-03	1.22E-02	1.25E-03	2.27E-01	5.16E-03	6.82E-01	3.91E-03	1.54E-01	4.72E-04	2.06E-02	3.71E-03	1.11E+00	
362.2	4250	2.36E-03	1.37E-02	1.82E-03	1.76E-01	1.47E-02	8.32E-01	3.79E-03	3.23E-02	6.53E-04	2.99E-02	2.95E-03	1.11E+00	
360.2	4246.5	4.87E-04	2.14E-02	1.11E-03	1.88E-01	5.50E-03	6.87E-01	2.96E-03	1.74E-01	5.54E-04	2.37E-02	5.14E-03	1.11E+00	
362	4245.3	1.40E-03	1.42E-02	1.48E-03	2.42E-01	4.94E-03	7.43E-01	4.69E-03	7.27E-02	5.65E-04	2.15E-02	3.41E-03	1.11E+00	
363	4247.5	1.24E-03	1.31E-02	1.35E-03	1.96E-01	9.82E-03	8.11E-01	4.16E-03	4.08E-02	5.22E-04	2.78E-02	3.03E-03	1.11E+00	
362.5	4249.5	1.72E-03	1.24E-02	1.59E-03	1.99E-01	1.38E-02	8.07E-01	4.51E-03	3.29E-02	5.75E-04	3.02E-02	3.08E-03	1.11E+00	
358.9	4246.7	1.49E-03	1.13E-02	8.78E-04	2.99E-01	4.42E-03	6.79E-01	4.44E-03	7.76E-02	3.84E-04	2.30E-02	4.09E-03	1.11E+00	
359.4	4250.4	6.40E-04	1.61E-02	1.30E-03	1.31E-01	1.72E-02	8.84E-01	2.41E-03	2.28E-02	5.21E-04	2.75E-02	2.50E-03	1.11E+00	
359.6	4246.4	4.34E-04	1.39E-02	7.38E-04	1.77E-01	4.72E-03	6.58E-01	2.83E-03	2.23E-01	3.61E-04	1.93E-02	3.76E-03	1.11E+00	
359.3	4246.6	8.01E-04	1.05E-02	6.36E-04	2.66E-01	4.67E-03	6.71E-01	3.79E-03	1.20E-01	2.96E-04	2.27E-02	4.79E-03	1.10E+00	
361	4251.75	1.10E-03	1.59E-02	1.52E-03	1.56E-01	1.27E-02	8.62E-01	3.22E-03	2.23E-02	5.80E-04	2.69E-02	2.60E-03	1.10E+00	
359.9	4250.8	8.19E-04	1.73E-02	1.40E-03	1.38E-01	1.71E-02	8.74E-01	2.58E-03	2.31E-02	5.53E-04	2.77E-02	2.56E-03	1.10E+00	
358.7	4246.9	8.46E-04	1.68E-02	8.85E-04	2.03E-01	5.17E-03	7.95E-01	3.70E-03	5.22E-02	4.43E-04	2.13E-02	3.20E-03	1.10E+00	
361.7	4250.8	2.30E-03	1.38E-02	2.01E-03	1.80E-01	1.39E-02	8.24E-01	3.74E-03	3.04E-02	7.10E-04	2.81E-02	2.90E-03	1.10E+00	
362.4	4249.7	1.74E-03	1.30E-02	1.61E-03	1.92E-01	1.36E-02	8.08E-01	4.56E-03	3.14E-02	5.82E-04	3.09E-02	3.08E-03	1.10E+00	
359.4	4246.6	6.39E-04	1.29E-02	6.72E-04	2.45E-01	4.89E-03	6.65E-01	3.54E-03	1.39E-01	3.35E-04	2.23E-02	4.56E-03	1.10E+00	
361.1	4246	1.52E-03	1.41E-02	1.55E-03	2.32E-01	5.02E-03	6.99E-01	3.98E-03	1.15E-01	5.77E-04	2.08E-02	3.69E-03	1.10E+00	
359.8	4246.4	3.86E-04	1.74E-02	8.46E-04	1.84E-01	4.94E-03	6.55E-01	2.70E-03	2.08E-01	4.33E-04	2.06E-02	3.94E-03	1.10E+00	
361	4246.1	1.73E-03	1.37E-02	1.65E-03	2.28E-01	5.11E-03	6.92E-01	3.85E-03	1.27E-01	5.99E-04	2.07E-02	3.71E-03	1.10E+00	
363	4248	1.44E-03	1.30E-02	1.39E-03	2.12E-01	9.27E-03	7.88E-01	4.64E-03	3.82E-02	5.30E-04	2.57E-02	2.80E-03	1.10E+00	
361.8	4245.3	1.57E-03	1.44E-02	1.49E-03	2.45E-01	4.67E-03	7.28E-01	4.54E-03	7.19E-02	5.65E-04	2.11E-02	3.42E-03	1.10E+00	
362.5	4245.4	1.06E-03	1.36E-02	1.29E-03	2.35E-01	5.32E-03	7.45E-01	4.65E-03	6.43E-02	5.03E-04	2.16E-02	3.23E-03	1.10E+00	
362.75	4247	1.28E-03	1.31E-02	1.36E-03	1.94E-01	8.34E-03	7.91E-01	4.20E-03	5.26E-02	5.17E-04	2.50E-02	3.02E-03	1.10E+00	
362	4250.3	2.57E-03	1.33E-02	1.83E-03	1.63E-01	1.66E-02	8.28E-01	3.39E-03	3.30E-02	6.62E-04	2.88E-02	2.87E-03	1.09E+00	
358.6	4246.9	8.00E-04	1.85E-02	9.27E-04	1.84E-01	5.20E-03	8.07E-01	3.37E-03	4.76E-02	4.75E-04	2.06E-02	2.95E-03	1.09E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
362.1	4245.3	1.32E-03	1.41E-02	1.44E-03	2.36E-01	5.01E-03	7.31E-01	4.55E-03	7.11E-02	5.55E-04	2.15E-02	3.37E-03	1.09E+00	
359	4246.6	1.11E-03	1.03E-02	7.15E-04	3.00E-01	4.19E-03	6.45E-01	4.54E-03	9.58E-02	3.21E-04	2.26E-02	4.57E-03	1.09E+00	
359.486	4246.561	5.54E-04	1.45E-02	7.18E-04	2.20E-01	4.95E-03	6.66E-01	3.25E-03	1.54E-01	3.66E-04	2.09E-02	4.16E-03	1.09E+00	
358.6	4249.5	6.27E-04	1.54E-02	1.14E-03	1.41E-01	1.22E-02	8.51E-01	2.53E-03	3.67E-02	4.76E-04	2.49E-02	2.64E-03	1.09E+00	
361.8	4250.6	2.70E-03	1.39E-02	2.06E-03	1.76E-01	1.54E-02	8.11E-01	3.62E-03	3.18E-02	7.28E-04	2.87E-02	2.95E-03	1.09E+00	
361.5	4245.5	2.07E-03	1.42E-02	1.69E-03	2.40E-01	4.56E-03	7.14E-01	4.55E-03	8.10E-02	6.20E-04	2.02E-02	3.44E-03	1.09E+00	
361.6	4251	1.90E-03	1.37E-02	1.83E-03	1.76E-01	1.31E-02	8.15E-01	3.73E-03	2.89E-02	6.56E-04	2.73E-02	2.80E-03	1.08E+00	
363	4246.5	1.53E-03	1.46E-02	1.42E-03	2.21E-01	6.51E-03	7.68E-01	4.90E-03	4.03E-02	5.44E-04	2.17E-02	2.83E-03	1.08E+00	
359.5	4250.5	6.72E-04	1.65E-02	1.31E-03	1.32E-01	1.70E-02	8.60E-01	2.49E-03	2.25E-02	5.25E-04	2.69E-02	2.45E-03	1.08E+00	
363	4249	1.67E-03	1.27E-02	1.43E-03	1.93E-01	1.08E-02	7.94E-01	4.28E-03	3.37E-02	5.39E-04	2.66E-02	2.82E-03	1.08E+00	
362.3	4249.9	2.58E-03	1.34E-02	1.94E-03	1.78E-01	1.35E-02	8.03E-01	4.06E-03	3.14E-02	6.77E-04	2.94E-02	2.93E-03	1.08E+00	
358.7	4249.7	6.55E-04	1.58E-02	1.24E-03	1.39E-01	1.30E-02	8.49E-01	2.52E-03	3.10E-02	5.03E-04	2.53E-02	2.57E-03	1.08E+00	
359.6	4250.6	7.09E-04	1.67E-02	1.33E-03	1.31E-01	1.67E-02	8.60E-01	2.53E-03	2.23E-02	5.30E-04	2.63E-02	2.41E-03	1.08E+00	
361.6	4245.4	2.01E-03	1.41E-02	1.60E-03	2.40E-01	4.53E-03	7.13E-01	4.57E-03	7.57E-02	5.94E-04	2.04E-02	3.40E-03	1.08E+00	
362.2	4245.3	1.61E-03	1.41E-02	1.51E-03	2.35E-01	5.05E-03	7.22E-01	4.37E-03	6.90E-02	5.75E-04	2.15E-02	3.34E-03	1.08E+00	
362.1	4250.2	2.74E-03	1.33E-02	1.99E-03	1.64E-01	1.53E-02	8.12E-01	3.46E-03	3.23E-02	7.02E-04	2.85E-02	2.83E-03	1.08E+00	
358.5	4249.1	5.61E-04	1.63E-02	1.11E-03	1.66E-01	1.13E-02	8.02E-01	2.72E-03	4.71E-02	4.77E-04	2.64E-02	3.01E-03	1.08E+00	
361.4	4245.6	1.46E-03	1.40E-02	1.52E-03	2.35E-01	4.59E-03	7.05E-01	4.41E-03	8.64E-02	5.70E-04	2.00E-02	3.43E-03	1.08E+00	
362.3	4245.3	1.58E-03	1.40E-02	1.48E-03	2.35E-01	5.06E-03	7.21E-01	4.31E-03	6.71E-02	5.64E-04	2.13E-02	3.28E-03	1.08E+00	
358.5	4246.9	7.83E-04	2.01E-02	9.83E-04	1.70E-01	5.22E-03	8.08E-01	3.11E-03	4.36E-02	5.09E-04	1.99E-02	2.74E-03	1.07E+00	
358.5	4249.3	5.56E-04	1.58E-02	1.11E-03	1.45E-01	1.12E-02	8.28E-01	2.50E-03	4.25E-02	4.76E-04	2.42E-02	2.69E-03	1.07E+00	
362.4	4245.3	1.24E-03	1.37E-02	1.36E-03	2.34E-01	5.04E-03	7.24E-01	4.39E-03	6.50E-02	5.25E-04	2.10E-02	3.20E-03	1.07E+00	
363	4247.75	1.29E-03	1.34E-02	1.36E-03	1.93E-01	9.76E-03	7.78E-01	4.19E-03	3.90E-02	5.30E-04	2.64E-02	2.86E-03	1.07E+00	
360	4246.4	4.24E-04	1.79E-02	8.89E-04	1.84E-01	5.09E-03	6.93E-01	2.71E-03	1.39E-01	4.56E-04	2.10E-02	4.13E-03	1.07E+00	
359.7	4250.7	7.57E-04	1.67E-02	1.38E-03	1.30E-01	1.64E-02	8.48E-01	2.51E-03	2.22E-02	5.43E-04	2.60E-02	2.39E-03	1.07E+00	
362.5	4249.6	1.60E-03	1.23E-02	1.53E-03	1.91E-01	1.31E-02	7.78E-01	4.32E-03	3.14E-02	5.54E-04	2.94E-02	2.99E-03	1.07E+00	
360.5	4251.75	9.18E-04	1.43E-02	1.36E-03	1.42E-01	1.31E-02	8.42E-01	2.80E-03	1.98E-02	5.23E-04	2.64E-02	2.49E-03	1.07E+00	
359	4250.1	6.33E-04	1.41E-02	1.25E-03	1.28E-01	1.51E-02	8.51E-01	2.36E-03	2.39E-02	4.78E-04	2.60E-02	2.39E-03	1.07E+00	
358.9	4250	6.43E-04	1.47E-02	1.33E-03	1.31E-01	1.46E-02	8.47E-01	2.43E-03	2.48E-02	5.07E-04	2.57E-02	2.40E-03	1.07E+00	
358.25	4248.25	5.21E-04	1.66E-02	1.14E-03	1.92E-01	8.05E-03	7.80E-01	3.05E-03	3.61E-02	4.94E-04	2.27E-02	2.75E-03	1.06E+00	
362	4245.2	1.32E-03	1.38E-02	1.42E-03	2.32E-01	4.69E-03	7.13E-01	4.45E-03	6.84E-02	5.43E-04	2.04E-02	3.25E-03	1.06E+00	
360	4250.9	8.52E-04	1.69E-02	1.38E-03	1.40E-01	1.65E-02	8.31E-01	2.61E-03	2.27E-02	5.45E-04	2.75E-02	2.57E-03	1.06E+00	
361.9	4250.5	2.87E-03	1.35E-02	2.04E-03	1.65E-01	1.61E-02	7.96E-01	3.39E-03	3.21E-02	7.19E-04	2.77E-02	2.83E-03	1.06E+00	
358.8	4249.9	6.10E-04	1.52E-02	1.24E-03	1.33E-01	1.39E-02	8.41E-01	2.45E-03	2.61E-02	4.91E-04	2.53E-02	2.42E-03	1.06E+00	
361.7	4245.3	1.61E-03	1.40E-02	1.46E-03	2.37E-01	4.49E-03	7.03E-01	4.45E-03	7.12E-02	5.50E-04	2.03E-02	3.31E-03	1.06E+00	
358.6	4249.2	5.79E-04	1.69E-02	1.14E-03	1.63E-01	1.25E-02	7.86E-01	2.80E-03	4.78E-02	4.94E-04	2.69E-02	3.06E-03	1.06E+00	
359.9	4246.4	3.78E-04	1.75E-02	8.36E-04	1.91E-01	5.03E-03	6.67E-01	2.74E-03	1.51E-01	4.35E-04	2.16E-02	4.09E-03	1.06E+00	
362.2	4250.1	2.50E-03	1.32E-02	1.87E-03	1.67E-01	1.41E-02	7.96E-01	3.56E-03	3.14E-02	6.63E-04	2.81E-02	2.79E-03	1.06E+00	
362.75	4245.5	1.04E-03	1.31E-02	1.24E-03	2.21E-01	5.56E-03	7.34E-01	4.45E-03	5.60E-02	4.80E-04	2.15E-02	3.10E-03	1.06E+00	
361.9	4245.2	1.50E-03	1.39E-02	1.47E-03	2.35E-01	4.58E-03	7.07E-01	4.39E-03	6.82E-02	5.55E-04	2.04E-02	3.26E-03	1.06E+00	
359.1	4250.2	6.13E-04	1.39E-02	1.19E-03	1.25E-01	1.55E-02	8.49E-01	2.28E-03	2.31E-02	4.62E-04	2.62E-02	2.39E-03	1.06E+00	
362.4	4249.8	2.09E-03	1.29E-02	1.76E-03	1.83E-01	1.28E-02	7.79E-01	4.36E-03	3.07E-02	6.22E-04	2.92E-02	2.94E-03	1.06E+00	
361.3	4245.7	1.53E-03	1.38E-02	1.55E-03	2.29E-01	4.63E-03	6.87E-01	4.16E-03	9.24E-02	5.72E-04	1.97E-02	3.40E-03	1.06E+00	
361.25	4251.5	1.38E-03	1.57E-02	1.70E-03	1.57E-01	1.14E-02	8.14E-01	3.22E-03	2.40E-02	6.29E-04	2.52E-02	2.54E-03	1.06E+00	
362.5	4245.3	1.02E-03	1.32E-02	1.26E-03	2.28E-01	5.04E-03	7.17E-01	4.48E-03	6.25E-02	4.88E-04	2.07E-02	3.12E-03	1.06E+00	
358.9	4246.6	1.25E-03	1.05E-02	7.74E-04	2.89E-01	4.13E-03	6.34E-01	4.32E-03	8.75E-02	3.43E-04	2.17E-02	4.16E-03	1.06E+00	
358.8	4246.7	1.60E-03	1.20E-02	9.51E-04	2.75E-01	4.36E-03	6.64E-01	4.14E-03	6.79E-02	4.13E-04	2.16E-02	3.63E-03	1.06E+00	
361.7	4250.9	2.05E-03	1.33E-02	1.84E-03	1.74E-01	1.30E-02	7.89E-01	3.63E-03	2.93E-02	6.54E-04	2.67E-02	2.77E-03	1.06E+00	
363	4246.25	1.41E-03	1.45E-02	1.35E-03	2.18E-01	6.07E-03	7.45E-01	4.61E-03	3.94E-02	5.21E-04	2.13E-02	2.85E-03	1.06E+00	
360	4251	8.51E-04	1.64E-02	1.38E-03	1.33E-01	1.49E-02	8.35E-01	2.47E-03	2.16E-02	5.41E-04	2.58E-02	2.42E-03	1.05E+00	
358.25	4248	5.21E-04	1.75E-02	1.23E-03	1.87E-01	7.60E-03	7.72E-01	3.40E-03	3.79E-02	5.29E-04	2.22E-02	2.88E-03	1.05E+00	
358.25	4247.25	6.54E-04	1.88E-02	1.34E-03	1.77E-01	5.89E-03	7.85E-01	3.12E-03	3.69E-02	5.67E-04	1.90E-02	2.16E-03	1.05E+00	
362.1	4245.2	1.14E-03	1.36E-02	1.36E-03	2.26E-01	4.76E-03	7.05E-01	4.39E-03	6.78E-02	5.22E-04	2.05E-02	3.22E-03	1.05E+00	
358.6	4249.3	5.89E-04	1.61E-02	1.13E-03	1.54E-01	1.25E-02	7.87E-01	2.71E-03	4.42E-02	4.82E-04	2.60E-02	2.90E-03	1.05E+00	
359.2	4250.3	5.98E-04	1.44E-02	1.20E-03	1.23E-01	1.58E-02	8.38E-01	2.22E-03	2.25E-02	4.73E-04	2.61E-02	2.38E-03	1.05E+00	
361.8	4250.7	2.52E-03	1.34E-02	2.01E-03	1.71E-01	1.40E-02	7.78E-01	3.52E-03	3.06E-02	7.07E-04	2.72E-02	2.82E-03	1.05E+00	
359.8	4250.8	7.69E-04	1.66E-02	1.36E-03	1.29E-01	1.60E-02	8.29E-01	2.45E-03	2.21E-02	5.34E-04	2.59E-02	2.39E-03	1.05E+00	
359.5	4246.5	4.61E-04	1.36E-02	6.73E-04	1.97E-01	4.82E-03	6.42E-01	3.07E-03	1.59E-01	3.43E-04	1.96E-02	3.86E-03	1.04E+00	
362	4250.4	2.80E-03	1.30E-02	1.96E-03	1.57E-01	1.57E-02	7.86E-01	3.25E-03	3.19E-02	6.92E-04	2.70E-02	2.74E-03	1.04E+00	
363	4247.25	1.14E-03	1.15E-02	1.20E-03	1.79E-01	8.99E-03	7.67E-01	3.62E-03	4.02E-02	4.56E-04	2.58E-02	2.88E-03	1.04E+00	
358.7	4246.8	1.17E-03	1.41E-02	9.09E-04	2.26E-01	4.68E-03	7.07E-01	3.86E-03	6.00E-02	4.16E-04	2.04E-02	3.14E-03	1.04E+00	
360.1	4246.4	4.62E-04	1.99E-02	1.00E-03	1.78E-01	5.12E-03	6.72E-01	2.68E-03	1.34E-01	5.08E-04	2.14E-02	4.09E-03	1.04E+00	
359.3	4250.4	5.95E-04	1.48E-02	1.20E-03	1.23E-01	1.58E-02	8.31E-01	2.24E-03	2.19E-02	4.80E-04	2.58E-02	2.35E-03	1.04E+00	
358.6	4249.6	6.22E-04	1.48E-02	1.10E-03	1.35E-01	1.19E-02	8.12E-01	2.44E-03	3.34E-02	4.60E-04	2.39E-02	2.50E-03	1.04E+00	
362.3	4250	2.28E-03	1.29E-02	1.76E-03	1.69E-01	1.29E-02	7.74E-01	3.75E-03	3.06E-02	6.28E-04	2.77E-02	2.77E-03	1.04E+00	
361.8	4245.2	1.40E-03	1.38E-02	1.39E-03	2.31E-01	4.43E-03	6.89E-01	4.30E-03	6.74E-02	5.28E-04	2.00E-02	3.20E-03	1.04E+00	
363	4249.25	1.32E-03	1.20E-02	1.34E-03	1.91E-01	1.05E-02	7.52E-01	4.23E-03	3.33E-02	5.03E-04	2.66E-02	2.81E-03	1.04E+00	
358.7	4249.8	6.13E-04	1.51E-02	1.19E-03	1.33E-01	1.28E-02	8.14E-01	2.42E-03	2.83E-02	4.81E-04	2.44E-02	2.43E-03	1.03E+00	
360.4	4246.5	4.72E-04	1.26E-02	9.35E-04	1.78E-01	4.97E-03	5.85E-01	3.09E-03	2.25E-01	3.93E-04	1.91E-02	3.82E-03	1.03E+00	
358.5	4249.4	5.63E-04	1.49E-02	1.08E-03	1.38E-01	1.11E-02	7.99E-01	2.42E-03	3.96E-02	4.57E-04	2.34E-02	2.58E-03	1.03E+00	
362.5	4249.7	1.56E-03	1.21E-02	1.50E-03	1.85E-01	1.23E-02	7.54E-01	4.26E-03	3.03E-02	5.42E-04	2.84E-02	2.89E-03	1.03E+00	
362.2	4245.2	1.33E-03	1.35E-02	1.41E-03	2.23E-01	4.80E-03	6.93E-01	4.22E-03	6.62E-02	5.38E-04	2.05E-02	3.19E-03	1.03E+00	
359.5	4246.4	5.02E-04	1.35E-02	7.26E-04	1.75E-01	4.59E-03	6.24E-01	2.85E-03	1.88E-01	3.54E-04	1.83E-02	3.58E-03	1.03E+00	
358.6	4249.4	6.03E-04	1.53E-02	1.11E-03	1.47E-01	1.24E-02	7.82E-01	2.62E-03	4.04E-02	4.67E-04	2.53E-02	2.76E-03	1.03E+00	
360.9	4246.1	1.38E-03	1.23E-02	1.45E-03	2.11E-01	4.93E-03	6.48E-01	3.60E-03	1.24E-01	5.26E-04	1.94E-02	3.42E-03	1.03E+00	
361.2	4245.8	1.81E-03	1.35E-02	1.60E-03	2.19E-01	4.68E-03	6.64E-01	3.88E-03	9.71E-02	5.84E-04	1.94E-02	3.35E-03	1.03E+00	
358.25	4247.5	3.92E-04	1.90E-02	1.07E-03	1.73E-01	5.99E-03	7.65E-01	3.28E-03	3.57E-02	4.98E-04	2.02E-02	2.29E-03	1.03E+00	

TABLE 3.7-5
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
358.8	4246.6	1.54E-03	1.08E-02	9.00E-04	2.74E-01	4.07E-03	6.29E-01	4.07E-03	7.71E-02	3.86E-04	2.08E-02	3.80E-03	1.03E+00	
358.6	4246.8	1.02E-03	1.53E-02	9.00E-04	1.98E-01	4.70E-03	7.27E-01	3.53E-03	5.32E-02	4.25E-04	1.96E-02	2.90E-03	1.03E+00	
362.4	4245.2	1.21E-03	1.33E-02	1.32E-03	2.24E-01	4.80E-03	6.91E-01	4.14E-03	6.20E-02	5.10E-04	2.02E-02	3.08E-03	1.03E+00	
362.3	4245.2	1.31E-03	1.35E-02	1.38E-03	2.24E-01	4.81E-03	6.88E-01	4.11E-03	6.41E-02	5.29E-04	2.04E-02	3.14E-03	1.02E+00	
363	4246	1.16E-03	1.34E-02	1.23E-03	2.07E-01	5.67E-03	7.25E-01	4.43E-03	4.23E-02	4.76E-04	2.08E-02	2.92E-03	1.02E+00	
362.1	4250.3	2.37E-03	1.27E-02	1.75E-03	1.55E-01	1.45E-02	7.73E-01	3.27E-03	3.13E-02	6.28E-04	2.67E-02	2.68E-03	1.02E+00	
359.1	4246.5	8.11E-04	8.58E-03	5.76E-04	2.65E-01	4.07E-03	6.10E-01	3.84E-03	1.05E-01	2.57E-04	2.10E-02	4.35E-03	1.02E+00	
361.5	4251.25	1.66E-03	1.37E-02	1.74E-03	1.63E-01	1.15E-02	7.73E-01	3.41E-03	2.63E-02	6.25E-04	2.53E-02	2.59E-03	1.02E+00	
359	4246.5	1.06E-03	9.43E-03	6.72E-04	2.76E-01	3.93E-03	6.04E-01	4.10E-03	9.80E-02	2.97E-04	2.10E-02	4.30E-03	1.02E+00	
359.4	4250.5	6.22E-04	1.52E-02	1.23E-03	1.23E-01	1.57E-02	8.14E-01	2.31E-03	2.15E-02	4.91E-04	2.54E-02	2.32E-03	1.02E+00	
362.5	4245.2	1.08E-03	1.30E-02	1.26E-03	2.21E-01	4.80E-03	6.94E-01	4.26E-03	6.00E-02	4.87E-04	1.99E-02	3.01E-03	1.02E+00	
363	4246.75	1.19E-03	1.28E-02	1.29E-03	1.91E-01	6.91E-03	7.32E-01	4.25E-03	4.82E-02	4.89E-04	2.16E-02	2.77E-03	1.02E+00	
358.25	4249	5.10E-04	1.60E-02	1.05E-03	1.53E-01	8.89E-03	7.73E-01	2.49E-03	3.87E-02	4.57E-04	2.26E-02	2.61E-03	1.02E+00	
363	4245.75	1.01E-03	1.28E-02	1.18E-03	2.02E-01	5.41E-03	7.19E-01	4.59E-03	4.80E-02	4.61E-04	2.01E-02	2.91E-03	1.02E+00	
361.5	4245.4	1.68E-03	1.34E-02	1.53E-03	2.22E-01	4.35E-03	6.73E-01	4.27E-03	7.51E-02	5.64E-04	1.88E-02	3.17E-03	1.02E+00	
361.6	4245.3	1.56E-03	1.34E-02	1.43E-03	2.24E-01	4.31E-03	6.74E-01	4.33E-03	7.10E-02	5.35E-04	1.90E-02	3.14E-03	1.02E+00	
362	4245.1	1.14E-03	1.34E-02	1.33E-03	2.22E-01	4.45E-03	6.82E-01	4.23E-03	6.39E-02	5.10E-04	1.95E-02	3.08E-03	1.02E+00	
362.4	4249.9	2.30E-03	1.26E-02	1.82E-03	1.72E-01	1.21E-02	7.49E-01	4.08E-03	2.99E-02	6.35E-04	2.74E-02	2.77E-03	1.02E+00	
359.5	4250.6	6.61E-04	1.56E-02	1.26E-03	1.24E-01	1.54E-02	8.06E-01	2.37E-03	2.12E-02	5.03E-04	2.48E-02	2.28E-03	1.01E+00	
360	4246.3	5.65E-04	1.89E-02	9.92E-04	1.69E-01	4.79E-03	6.82E-01	2.51E-03	1.11E-01	4.93E-04	1.93E-02	3.52E-03	1.01E+00	
358.5	4246.8	8.63E-04	1.67E-02	8.83E-04	1.77E-01	4.73E-03	7.40E-01	3.21E-03	4.77E-02	4.39E-04	1.89E-02	2.71E-03	1.01E+00	
358.25	4247.75	5.01E-04	1.71E-02	1.14E-03	1.66E-01	6.67E-03	7.57E-01	2.96E-03	3.72E-02	4.97E-04	2.07E-02	2.46E-03	1.01E+00	
361.9	4250.6	2.57E-03	1.31E-02	1.89E-03	1.61E-01	1.45E-02	7.56E-01	3.30E-03	3.09E-02	6.71E-04	2.63E-02	2.71E-03	1.01E+00	
362.2	4250.2	2.59E-03	1.27E-02	1.89E-03	1.58E-01	1.35E-02	7.59E-01	3.36E-03	3.04E-02	6.64E-04	2.65E-02	2.65E-03	1.01E+00	
358.7	4246.7	1.52E-03	1.23E-02	9.58E-04	2.48E-01	4.31E-03	6.57E-01	3.91E-03	5.94E-02	4.15E-04	2.02E-02	3.23E-03	1.01E+00	
360.298	4246.497	4.61E-04	1.58E-02	9.83E-04	1.75E-01	5.55E-03	6.06E-01	2.99E-03	1.77E-01	4.47E-04	2.11E-02	3.74E-03	1.01E+00	
362.1	4245.1	1.06E-03	1.31E-02	1.30E-03	2.18E-01	4.52E-03	6.80E-01	4.23E-03	6.41E-02	5.01E-04	1.95E-02	3.07E-03	1.01E+00	
361.8	4250.8	2.20E-03	1.28E-02	1.81E-03	1.67E-01	1.28E-02	7.50E-01	3.43E-03	2.95E-02	6.44E-04	2.58E-02	2.70E-03	1.01E+00	
361.7	4251	1.92E-03	1.29E-02	1.76E-03	1.68E-01	1.21E-02	7.51E-01	3.52E-03	2.84E-02	6.29E-04	2.54E-02	2.65E-03	1.01E+00	
360.25	4251.5	8.25E-04	1.45E-02	1.28E-03	1.32E-01	1.28E-02	7.97E-01	2.58E-03	1.93E-02	5.00E-04	2.46E-02	2.33E-03	1.01E+00	
359.6	4250.7	7.08E-04	1.58E-02	1.31E-03	1.23E-01	1.51E-02	8.01E-01	2.39E-03	2.10E-02	5.16E-04	2.43E-02	2.24E-03	1.01E+00	
361.9	4245.1	1.19E-03	1.35E-02	1.32E-03	2.23E-01	4.35E-03	6.71E-01	4.14E-03	6.36E-02	5.06E-04	1.94E-02	3.07E-03	1.01E+00	
358.9	4246.5	1.31E-03	9.89E-03	7.76E-04	2.70E-01	3.86E-03	5.95E-01	4.17E-03	9.42E-02	3.37E-04	2.04E-02	4.14E-03	1.00E+00	
361.4	4245.5	1.54E-03	1.32E-02	1.52E-03	2.17E-01	4.38E-03	6.60E-01	4.08E-03	7.97E-02	5.60E-04	1.86E-02	3.15E-03	1.00E+00	
362.75	4249.5	1.39E-03	1.10E-02	1.37E-03	1.90E-01	1.08E-02	7.24E-01	4.43E-03	3.21E-02	4.98E-04	2.57E-02	2.73E-03	1.00E+00	
361.1	4245.9	1.47E-03	1.30E-02	1.46E-03	2.08E-01	4.73E-03	6.44E-01	3.61E-03	1.03E-01	5.37E-04	1.91E-02	3.29E-03	1.00E+00	
361.7	4245.2	1.32E-03	1.33E-02	1.32E-03	2.22E-01	4.27E-03	6.66E-01	4.25E-03	6.70E-02	5.03E-04	1.90E-02	3.08E-03	1.00E+00	

TABLE 3.7-6
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
360.302	4247.704	2.51E-04	3.39E-02	1.43E-03	3.49E+01	9.72E-03	2.63E+00	2.54E-02	7.11E-01	7.89E-04	2.92E+00	4.50E-01	4.17E+01	
360.239	4248.398	6.38E-04	8.00E-01	2.24E-02	1.06E+00	7.05E-02	1.90E+01	1.93E-02	8.57E-02	1.62E-02	2.72E-01	2.07E-02	2.13E+01	
360.623	4247.86	3.70E-04	4.81E-02	2.15E-03	6.94E+00	1.16E-02	1.12E+01	2.48E-01	3.32E-01	1.13E-03	1.13E-01	2.69E-02	1.90E+01	
360.6	4247.8	2.80E-04	4.58E-02	2.08E-03	6.89E+00	9.57E-03	8.87E+00	1.26E-01	3.03E-01	1.09E-03	1.32E-01	2.64E-02	1.64E+01	
360.578	4247.772	2.73E-04	4.53E-02	2.04E-03	7.09E+00	9.13E-03	7.89E+00	8.48E-02	2.99E-01	1.08E-03	1.61E-01	2.86E-02	1.56E+01	
360.4	4248.912	1.02E-03	5.88E-02	3.21E-03	1.01E+00	7.16E-01	1.16E+01	1.10E-02	2.53E-01	1.51E-03	6.24E-01	3.82E-02	1.44E+01	
360.341	4248.904	9.83E-04	6.70E-02	3.39E-03	8.85E-01	5.00E-01	1.11E+01	1.01E-02	1.75E-01	1.64E-03	4.94E-01	3.09E-02	1.33E+01	
360.301	4247.402	5.24E-04	1.67E-02	7.86E-04	7.35E-01	5.49E-03	8.17E+00	4.99E-03	4.01E+00	4.04E-04	6.44E-02	1.63E-01	1.32E+01	
360.263	4247.743	2.32E-04	4.63E-02	1.80E-03	7.38E+00	1.03E-02	2.53E+00	2.84E-02	3.53E-01	1.05E-03	5.69E-01	8.79E-02	1.10E+01	
360.4	4249	1.00E-03	5.19E-02	3.18E-03	7.82E-01	6.08E-01	8.92E+00	9.55E-03	1.76E-01	1.42E-03	4.22E-01	2.68E-02	1.10E+01	
360.196	4248.694	9.53E-04	1.62E-01	5.86E-03	7.73E-01	1.59E-01	9.35E+00	1.01E-02	8.68E-02	3.46E-03	2.86E-01	2.13E-02	1.09E+01	
360.5	4249	1.20E-03	4.29E-02	2.82E-03	9.65E-01	1.04E+00	7.68E+00	1.03E-02	2.06E-01	1.24E-03	5.48E-01	3.63E-02	1.05E+01	
360.23	4248.121	3.12E-04	6.39E-01	1.80E-02	1.56E+00	2.69E-02	7.95E+00	2.51E-02	1.11E-01	1.29E-02	1.51E-01	1.68E-02	1.05E+01	
360.668	4247.947	7.73E-04	5.02E-02	2.26E-03	3.15E+00	1.54E-02	6.45E+00	2.69E-01	1.71E-01	1.18E-03	9.47E-02	1.74E-02	1.02E+01	
360.2	4248.1	3.15E-04	4.85E-01	1.33E-02	1.39E+00	2.44E-02	7.81E+00	2.16E-02	1.11E-01	9.42E-03	1.39E-01	1.55E-02	1.00E+01	
360.289	4248.002	2.62E-04	1.94E-01	5.97E-03	3.19E+00	2.01E-02	5.69E+00	4.16E-02	1.61E-01	3.99E-03	2.16E-01	2.80E-02	9.55E+00	
360.705	4247.78	2.93E-04	3.63E-02	2.05E-03	3.38E+00	1.17E-02	5.65E+00	9.46E-02	1.93E-01	9.81E-04	8.16E-02	1.64E-02	9.47E+00	
360.6	4247.7	3.05E-04	3.73E-02	1.85E-03	4.20E+00	7.79E-03	4.52E+00	4.49E-02	2.28E-01	9.39E-04	1.29E-01	2.42E-02	9.20E+00	
360.302	4247.5	5.23E-04	2.01E-02	9.61E-04	1.20E+00	6.49E-03	2.67E+00	7.52E-03	4.92E+00	4.97E-04	8.22E-02	5.37E-02	8.96E+00	
360.7	4247.9	7.89E-04	4.29E-02	2.10E-03	2.78E+00	1.26E-02	5.42E+00	1.57E-01	1.57E-01	1.06E-03	8.17E-02	1.49E-02	8.67E+00	
360.169	4248.084	3.35E-04	3.19E-01	9.41E-03	1.21E+00	2.26E-02	6.76E+00	1.88E-02	1.11E-01	6.51E-03	1.26E-01	1.43E-02	8.60E+00	
360.188	4248.787	9.94E-04	1.12E-01	4.44E-03	6.69E-01	1.77E-01	7.25E+00	8.71E-03	8.80E-02	2.46E-03	2.66E-01	1.94E-02	8.60E+00	
360.3	4249	9.44E-04	6.01E-02	3.28E-03	6.27E-01	3.41E-01	7.12E+00	8.16E-03	1.18E-01	1.51E-03	2.94E-01	1.96E-02	8.59E+00	
360.198	4248.033	3.16E-04	2.42E-01	7.35E-03	1.56E+00	2.00E-02	6.11E+00	2.28E-02	1.26E-01	4.98E-03	1.37E-01	1.67E-02	8.24E+00	
360.253	4248.902	9.84E-04	7.59E-02	3.53E-03	6.76E-01	2.80E-01	6.60E+00	8.51E-03	1.11E-01	1.77E-03	3.11E-01	2.16E-02	8.09E+00	
360.117	4248.126	3.32E-04	3.45E-01	9.98E-03	9.08E-01	2.44E-02	6.50E+00	1.44E-02	9.73E-02	7.02E-03	1.15E-01	1.21E-02	8.04E+00	
360.245	4247.842	2.41E-04	7.60E-02	2.76E-03	3.82E+00	1.27E-02	3.30E+00	2.92E-02	2.42E-01	1.67E-03	3.11E-01	4.17E-02	7.84E+00	
360.6	4249	1.49E-03	3.36E-02	2.40E-03	1.01E+00	1.09E+00	4.92E+00	1.02E-02	1.95E-01	1.03E-03	5.36E-01	3.73E-02	7.83E+00	
360.656	4247.671	4.36E-04	3.43E-02	1.91E-03	3.26E+00	1.04E-02	4.12E+00	4.19E-02	2.01E-01	9.24E-04	9.89E-02	1.94E-02	7.78E+00	
360.7	4248	9.27E-04	4.53E-02	2.19E-03	2.11E+00	1.72E-02	5.16E+00	1.27E-01	1.26E-01	1.11E-03	9.18E-02	1.39E-02	7.69E+00	
360.212	4247.985	2.95E-04	1.59E-01	5.07E-03	1.91E+00	1.77E-02	5.21E+00	2.54E-02	1.46E-01	3.30E-03	1.53E-01	1.95E-02	7.65E+00	
360.052	4248.165	3.00E-04	3.53E-01	1.01E-02	6.82E-01	2.52E-02	6.15E+00	1.10E-02	8.38E-02	7.16E-03	1.03E-01	1.02E-02	7.44E+00	
360.186	4248.85	9.98E-04	9.21E-02	3.88E-03	6.10E-01	1.84E-01	6.14E+00	8.03E-03	8.73E-02	2.06E-03	2.51E-01	1.81E-02	7.40E+00	
360.1	4248.2	3.10E-04	5.81E-01	1.61E-02	7.89E-01	2.96E-02	5.69E+00	1.29E-02	8.37E-02	1.17E-02	1.15E-01	1.13E-02	7.34E+00	
360.226	4247.933	2.69E-04	1.14E-01	3.80E-03	2.38E+00	1.56E-02	4.34E+00	2.68E-02	1.76E-01	2.41E-03	1.81E-01	2.39E-02	7.26E+00	
360.527	4247.67	3.55E-04	3.51E-02	1.64E-03	3.84E+00	7.94E-03	2.79E+00	2.72E-02	2.69E-01	8.52E-04	1.98E-01	3.53E-02	7.21E+00	
360.5	4249.1	1.14E-03	3.74E-02	2.66E-03	6.90E-01	6.15E-01	5.22E+00	8.61E-03	1.35E-01	1.13E-03	3.48E-01	2.37E-02	7.08E+00	
360.2	4248.9	9.92E-04	8.07E-02	3.62E-03	5.88E-01	2.02E-01	5.64E+00	7.75E-03	9.02E-02	1.84E-03	2.50E-01	1.78E-02	6.88E+00	
360.713	4248.035	9.56E-04	4.16E-02	2.11E-03	1.77E+00	1.86E-02	4.73E+00	9.41E-02	1.12E-01	1.05E-03	9.57E-02	1.32E-02	6.88E+00	
360.03	4248.262	3.28E-04	2.06E-01	6.10E-03	6.00E-01	3.11E-02	5.78E+00	9.86E-03	7.11E-02	4.23E-03	1.07E-01	9.77E-03	6.83E+00	
360.4	4249.1	9.27E-04	4.19E-02	2.73E-03	5.96E-01	4.10E-01	5.08E+00	8.10E-03	1.19E-01	1.18E-03	2.87E-01	1.91E-02	6.57E+00	
360.6	4249.1	1.44E-03	3.27E-02	2.52E-03	7.01E-01	6.25E-01	4.64E+00	8.49E-03	1.31E-01	1.06E-03	3.41E-01	2.40E-02	6.50E+00	
360.261	4247.658	2.87E-04	3.66E-02	1.47E-03	3.39E+00	8.56E-03	2.33E+00	1.86E-02	4.37E-01	8.37E-04	2.36E-01	4.19E-02	6.50E+00	
360.578	4247.646	4.59E-04	3.27E-02	1.64E-03	3.09E+00	6.99E-03	2.83E+00	2.78E-02	2.25E-01	8.25E-04	1.32E-01	2.95E-02	6.37E+00	
360.187	4248.927	9.88E-04	7.70E-02	3.53E-03	5.47E-01	1.85E-01	5.19E+00	7.34E-03	8.47E-02	1.77E-03	2.27E-01	1.63E-02	6.34E+00	
360.8	4247.8	9.75E-04	3.26E-02	2.03E-03	1.96E+00	1.55E-02	3.77E+00	7.87E-02	1.26E-01	9.34E-04	8.74E-02	1.31E-02	6.08E+00	
360.2	4249	9.62E-04	6.50E-02	3.24E-03	5.03E-01	1.90E-01	4.84E+00	6.87E-03	8.25E-02	1.54E-03	2.09E-01	1.48E-02	5.92E+00	
360.8	4247.9	1.63E-03	3.56E-02	2.02E-03	1.61E+00	1.98E-02	3.68E+00	6.89E-02	1.06E-01	9.60E-04	8.63E-02	1.20E-02	5.62E+00	
360.7	4249	1.74E-03	2.62E-02	2.07E-03	8.47E-01	6.45E-01	3.41E+00	9.73E-03	1.66E-01	8.61E-04	4.21E-01	2.95E-02	5.56E+00	
360.305	4247.6	3.76E-04	2.56E-02	1.17E-03	2.10E+00	7.85E-03	2.32E+00	1.29E-02	9.23E-01	6.17E-04	1.37E-01	3.48E-02	5.56E+00	
360.403	4249.137	9.02E-04	3.87E-02	2.57E-03	5.02E-01	3.47E-01	4.30E+00	7.53E-03	9.87E-02	1.10E-03	2.18E-01	1.45E-02	5.53E+00	
360.254	4247.334	4.76E-04	1.93E-02	8.03E-04	3.98E-01	4.82E-03	4.08E+00	3.88E-03	8.01E-01	4.43E-04	4.26E-02	7.44E-02	5.42E+00	
360.498	4249.157	1.06E-03	3.33E-02	2.43E-03	5.64E-01	4.35E-01	3.98E+00	7.79E-03	1.04E-01	1.02E-03	2.64E-01	1.84E-02	5.41E+00	
360.3	4249.1	8.58E-04	4.63E-02	2.74E-03	5.01E-01	2.53E-01	4.22E+00	7.08E-03	8.98E-02	1.21E-03	2.18E-01	1.50E-02	5.35E+00	
360.334	4249.128	8.49E-04	4.24E-02	2.63E-03	4.68E-01	2.66E-01	4.08E+00	7.06E-03	8.71E-02	1.14E-03	1.94E-01	1.31E-02	5.16E+00	
360.728	4248.992	1.80E-03	2.48E-02	2.00E-03	8.03E-01	5.67E-01	3.17E+00	9.69E-03	1.51E-01	8.28E-04	3.93E-01	2.76E-02	5.15E+00	
360.7	4249.1	1.73E-03	2.68E-02	2.30E-03	6.24E-01	4.30E-01	3.62E+00	8.21E-03	1.14E-01	9.50E-04	2.87E-01	2.05E-02	5.14E+00	
360.775	4248.017	1.22E-03	3.42E-02	1.91E-03	1.29E+00	1.78E-02	3.53E+00	6.09E-02	9.12E-02	9.13E-04	8.54E-02	1.11E-02	5.12E+00	
360.256	4247.423	5.64E-04	2.29E-02	9.77E-04	6.48E-01	5.53E-03	2.65E+00	5.30E-03	1.63E+00	5.37E-04	5.26E-02	4.54E-02	5.06E+00	
360.6	4247.6	6.76E-04	2.89E-02	1.53E-03	2.29E+00	6.46E-03	2.25E+00	2.18E-02	2.13E-01	7.53E-04	1.05E-01	2.79E-02	4.94E+00	
360.171	4249.034	9.41E-04	5.93E-02	3.00E-03	4.48E-01	1.58E-01	3.87E+00	6.30E-03	7.16E-02	1.41E-03	1.78E-01	1.28E-02	4.81E+00	
359.934	4248.308	3.26E-04	9.56E-02	3.25E-03	4.64E-01	2.88E-02	3.94E+00	7.48E-03	6.44E-02	2.03E-03	8.92E-02	8.29E-03	4.71E+00	
360.794	4248.896	1.86E-03	2.39E-02	1.92E-03	7.70E-01	4.55E-01	2.90E+00	1.06E-02	1.32E-01	8.01E-04	3.58E-01	2.46E-02	4.67E+00	
360.8	4248	1.44E-03	3.23E-02	1.86E-03	1.16E+00	1.71E-02	3.20E+00	5.33E-02	8.56E-02	8.76E-04	8.03E-02	1.02E-02	4.64E+00	
360.9	4247.9	3.18E-03	2.86E-02	1.85E-03	1.24E+00	2.06E-02	3.10E+00	4.42E-02	9.12E-02	8.37E-04	9.16E-02	1.12E-02	4.63E+00	
359.992	4248.193	2.75E-04	1.65E-01	4.96E-03	5.53E-01	2.49E-02	3.69E+00	9.09E-03	7.66E-02	3.40E-03	8.77E-02	8.87E-03	4.62E+00	
360.049	4248.941	9.21E-04	6.38E-02	3.00E-03	3.97E-01	9.51E-02	3.78E+00	5.95E-03	5.64E-02	1.48E-03	1.40E-01	1.07E-02	4.55E+00	
360.269	4249.127	8.39E-04	4.47E-02	2.61E-03	4.35E-01	2.00E-01	3.56E+00	6.47E-03	7.53E-02	1.16E-03	1.74E-01	1.22E-02	4.51E+00	
360.9	4248	2.83E-03	2.64E-02	1.80E-03	1.08E+00	2.67E-02	3.06E+00	4.37E-02	8.33E-02	7.98E-04	1.13E-01	1.28E-02	4.44E+00	
360.8	4248.102	1.34E-03	2.82E-02	1.80E-03	1.00E+00	2.27E-02	3.12E+00	4.09E-02	7.86E-02	8.15E-04	1.05E-01	1.26E-02	4.42E+00	
360.592	4249.185	1.27E-03	2.84E-02	2.26E-03	5.38E-01	3.77E-01	3.11E+00	7.38E-03	9.22E-02	9.40E-04	2.45E-01	1.77E-02	4.41E+00	
360.9	4247.8	2.50E-03	2.77E-02	1.85E-03	1.24E+00	1.60E-02	2.85E+00	4.36E-02	9.57E-02	8.28E-04	7.67E-02	1.02E-02	4.37E+00	
360.1	4249	9.47E-04	6.12E-02	2.97E-03	4.08E-01	1.17E-01	3.53E+00	5.91E-03	6.11E-02	1.43E-03	1.52E-01	1.14E-02	4.35E+00	
360.843	4248.678	1.85E-03	2.64E-02	1.98E-03	7.52E-01	2.54E-01	2.84E+00	1.35E-02	9.35E-02	8.55E-04	3.22E-01	2.15E-02	4.33E+00	
360.838	4248.485	1.68E-03	2.75E-02	1.95E-03	7.60E-01	1.21E-01	2.98E+00	1.72E-02	7.86E-02	8.51E-04	2.80E-01	2.03E-02	4.29E+00	
359.839	4248.354	3.18E-04	5.37E-02	2.03E-03	3.66E-01	2.59E-02	3.64E+00	5.79E-03	6.01E-02	1.19E-03	7.50E-02	6.88E-03	4.24E+00	

TABLE 3.7-6
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
360.607	4247.562	7.55E-04	2.65E-02	1.46E-03	1.89E+00	6.95E-03	1.92E+00	1.88E-02	2.22E-01	7.05E-04	9.40E-02	3.23E-02	4.21E+00	
360.827	4248.784	1.85E-03	2.51E-02	1.95E-03	7.11E-01	3.48E-01	2.66E+00	1.13E-02	1.05E-01	8.27E-04	2.97E-01	1.97E-02	4.18E+00	
360.546	4247.561	6.72E-04	2.52E-02	1.32E-03	1.94E+00	5.94E-03	1.77E+00	1.60E-02	2.87E-01	6.48E-04	1.01E-01	1.95E-02	4.17E+00	
360.2	4249.1	8.75E-04	4.92E-02	2.67E-03	4.20E-01	1.60E-01	3.24E+00	6.06E-03	6.83E-02	1.22E-03	1.66E-01	1.20E-02	4.12E+00	
360.9	4247.7	1.53E-03	2.53E-02	1.87E-03	1.25E+00	1.26E-02	2.61E+00	3.64E-02	1.03E-01	8.11E-04	6.49E-02	9.37E-03	4.11E+00	
360.825	4248.188	1.44E-03	2.73E-02	1.82E-03	8.24E-01	2.90E-02	2.92E+00	2.94E-02	7.17E-02	8.16E-04	1.30E-01	1.63E-02	4.05E+00	
360.9	4248.1	2.22E-03	2.34E-02	1.71E-03	8.80E-01	3.48E-02	2.80E+00	3.48E-02	7.33E-02	7.39E-04	1.36E-01	1.49E-02	4.00E+00	
360.233	4249.168	8.26E-04	4.26E-02	2.50E-03	3.96E-01	1.53E-01	3.06E+00	5.83E-03	6.35E-02	1.10E-03	1.54E-01	1.12E-02	3.89E+00	
360.426	4247.312	3.13E-04	1.13E-02	6.37E-04	4.19E-01	3.85E-03	2.66E+00	3.97E-03	6.86E-01	2.95E-04	3.56E-02	4.66E-02	3.86E+00	
360.826	4248.376	1.40E-03	2.78E-02	1.91E-03	7.11E-01	5.05E-02	2.74E+00	2.02E-02	6.86E-02	8.42E-04	1.97E-01	1.66E-02	3.84E+00	
360.858	4248.572	1.72E-03	2.60E-02	1.89E-03	6.27E-01	1.24E-01	2.57E+00	1.37E-02	6.91E-02	8.21E-04	2.16E-01	1.57E-02	3.67E+00	
359.9	4248.3	3.00E-04	6.92E-02	2.49E-03	4.28E-01	2.64E-02	2.98E+00	6.91E-03	6.60E-02	1.49E-03	8.03E-02	7.71E-03	3.67E+00	
360.9	4247.6	6.75E-03	2.35E-02	1.85E-03	1.13E+00	1.01E-02	2.28E+00	2.75E-02	1.06E-01	7.91E-04	5.61E-02	8.70E-03	3.65E+00	
360.85	4248.273	1.46E-03	2.76E-02	1.85E-03	6.95E-01	3.61E-02	2.61E+00	2.23E-02	6.60E-02	8.29E-04	1.48E-01	1.60E-02	3.62E+00	
359.912	4248.213	2.63E-04	7.39E-02	2.54E-03	4.52E-01	2.29E-02	2.83E+00	7.48E-03	7.63E-02	1.57E-03	7.54E-02	7.74E-03	3.55E+00	
360.8	4249	1.82E-03	2.11E-02	1.81E-03	5.39E-01	3.65E-01	2.24E+00	8.55E-03	1.00E-01	7.39E-04	2.10E-01	1.43E-02	3.51E+00	
361	4248.8	2.21E-03	2.18E-02	1.81E-03	5.09E-01	1.35E-01	2.54E+00	8.82E-03	6.52E-02	7.65E-04	2.08E-01	1.56E-02	3.50E+00	
361	4248.2	1.88E-03	2.17E-02	1.64E-03	6.88E-01	4.09E-02	2.50E+00	2.13E-02	6.44E-02	7.01E-04	1.42E-01	1.35E-02	3.49E+00	
360.171	4249.149	8.49E-04	4.49E-02	2.48E-03	3.68E-01	1.29E-01	2.73E+00	5.45E-03	5.80E-02	1.12E-03	1.39E-01	1.03E-02	3.49E+00	
361	4248.1	2.06E-03	2.11E-02	1.63E-03	7.32E-01	3.23E-02	2.47E+00	2.40E-02	6.56E-02	6.91E-04	1.17E-01	1.19E-02	3.48E+00	
361	4248	2.25E-03	2.27E-02	1.68E-03	7.83E-01	2.54E-02	2.44E+00	2.73E-02	6.87E-02	7.25E-04	9.78E-02	1.03E-02	3.48E+00	
359.797	4248.242	2.68E-04	4.91E-02	1.89E-03	3.63E-01	1.95E-02	2.89E+00	5.81E-03	7.32E-02	1.08E-03	6.36E-02	6.54E-03	3.47E+00	
361	4247.9	2.07E-03	2.30E-02	1.64E-03	8.52E-01	2.00E-02	2.33E+00	2.66E-02	7.22E-02	7.14E-04	8.13E-02	9.09E-03	3.42E+00	
360.198	4249.204	8.10E-04	4.04E-02	2.37E-03	3.53E-01	1.24E-01	2.62E+00	5.28E-03	5.51E-02	1.04E-03	1.32E-01	9.84E-03	3.35E+00	
360.578	4247.5	6.02E-04	2.21E-02	1.23E-03	1.39E+00	5.75E-03	1.52E+00	1.30E-02	2.84E-01	5.88E-04	7.54E-02	2.59E-02	3.34E+00	
361	4248.9	2.24E-03	2.12E-02	1.86E-03	4.56E-01	1.38E-01	2.41E+00	7.80E-03	6.29E-02	7.72E-04	1.82E-01	1.37E-02	3.29E+00	
361	4247.8	2.96E-03	2.37E-02	1.70E-03	8.31E-01	1.60E-02	2.23E+00	2.70E-02	7.42E-02	7.38E-04	6.93E-02	8.21E-03	3.28E+00	
360.678	4249.21	1.44E-03	2.36E-02	2.02E-03	4.37E-01	2.65E-01	2.27E+00	6.82E-03	7.50E-02	8.29E-04	1.76E-01	1.28E-02	3.27E+00	
360	4249	8.60E-04	4.72E-02	2.40E-03	3.37E-01	7.91E-02	2.61E+00	5.28E-03	4.87E-02	1.13E-03	1.14E-01	8.93E-03	3.26E+00	
360.481	4247.39	4.01E-04	1.43E-02	8.21E-04	6.83E-01	4.41E-03	1.73E+00	5.96E-03	7.29E-01	3.82E-04	4.41E-02	2.72E-02	3.24E+00	
361	4248.7	2.07E-03	2.01E-02	1.69E-03	5.43E-01	1.22E-01	2.23E+00	1.00E-02	6.49E-02	7.06E-04	2.17E-01	1.63E-02	3.23E+00	
360.1	4249.1	8.79E-04	4.75E-02	2.46E-03	3.41E-01	1.08E-01	2.53E+00	5.24E-03	5.37E-02	1.14E-03	1.23E-01	9.24E-03	3.23E+00	
360.513	4247.475	5.63E-04	1.90E-02	1.04E-03	1.15E+00	5.09E-03	1.49E+00	9.65E-03	4.71E-01	4.99E-04	6.61E-02	2.33E-02	3.23E+00	
360.9	4248.2	1.77E-03	2.38E-02	1.70E-03	6.44E-01	3.42E-02	2.31E+00	2.19E-02	6.18E-02	7.42E-04	1.13E-01	1.17E-02	3.23E+00	
360.875	4248.359	1.49E-03	2.52E-02	1.79E-03	5.99E-01	4.34E-02	2.30E+00	1.72E-02	6.07E-02	7.80E-04	1.49E-01	1.28E-02	3.22E+00	
361	4248.6	1.91E-03	1.99E-02	1.64E-03	5.49E-01	1.03E-01	2.23E+00	1.14E-02	6.25E-02	6.86E-04	2.08E-01	1.56E-02	3.20E+00	
361	4247.7	4.79E-03	2.25E-02	1.75E-03	8.33E-01	1.28E-02	2.10E+00	2.50E-02	7.69E-02	7.44E-04	5.82E-02	7.47E-03	3.14E+00	
361.1	4248.6	2.38E-03	2.10E-02	1.76E-03	4.62E-01	7.38E-02	2.33E+00	9.73E-03	5.40E-02	7.40E-04	1.54E-01	1.20E-02	3.12E+00	
359.868	4248.894	6.87E-04	4.02E-02	2.04E-03	3.02E-01	5.11E-02	2.58E+00	5.18E-03	4.09E-02	9.64E-04	8.61E-02	7.10E-03	3.12E+00	
360.9	4248.5	1.71E-03	2.34E-02	1.74E-03	5.32E-01	6.61E-02	2.24E+00	1.27E-02	5.76E-02	7.46E-04	1.54E-01	1.20E-02	3.10E+00	
359.754	4248.513	3.74E-04	3.78E-02	1.57E-03	2.84E-01	2.77E-02	2.63E+00	4.54E-03	4.56E-02	8.70E-04	6.47E-02	5.73E-03	3.10E+00	
361.1	4248.1	1.57E-03	2.05E-02	1.59E-03	5.91E-01	2.92E-02	2.26E+00	1.78E-02	5.84E-02	6.76E-04	9.87E-02	9.49E-03	3.09E+00	
359.749	4248.592	4.17E-04	4.36E-02	1.76E-03	2.79E-01	2.99E-02	2.61E+00	4.53E-03	4.15E-02	9.93E-04	6.54E-02	5.70E-03	3.09E+00	
361	4248.5	1.83E-03	2.04E-02	1.62E-03	5.24E-01	8.10E-02	2.19E+00	1.26E-02	5.96E-02	6.81E-04	1.75E-01	1.32E-02	3.08E+00	
361.1	4248.5	1.90E-03	2.02E-02	1.61E-03	4.88E-01	6.35E-02	2.26E+00	1.17E-02	5.50E-02	6.81E-04	1.51E-01	1.20E-02	3.06E+00	
359.958	4248.92	7.76E-04	4.50E-02	2.24E-03	3.34E-01	6.81E-02	2.43E+00	5.56E-03	4.66E-02	1.07E-03	1.07E-01	8.52E-03	3.05E+00	
359.751	4248.443	3.42E-04	3.66E-02	1.53E-03	2.91E-01	2.49E-02	2.56E+00	4.54E-03	5.13E-02	8.45E-04	6.32E-02	5.76E-03	3.04E+00	
359.743	4248.646	4.43E-04	4.40E-02	1.78E-03	2.76E-01	3.11E-02	2.57E+00	4.50E-03	3.96E-02	1.00E-03	6.52E-02	5.63E-03	3.04E+00	
360.115	4249.143	8.53E-04	4.43E-02	2.37E-03	3.23E-01	1.07E-01	2.38E+00	5.05E-03	5.16E-02	1.08E-03	1.13E-01	8.49E-03	3.03E+00	
360.2	4249.26	7.77E-04	3.68E-02	2.23E-03	3.25E-01	1.10E-01	2.37E+00	4.92E-03	5.00E-02	9.68E-04	1.18E-01	8.91E-03	3.03E+00	
360.9	4247.5	3.86E-03	2.15E-02	1.72E-03	9.44E-01	8.20E-03	1.84E+00	1.92E-02	1.08E-01	7.32E-04	4.83E-02	8.02E-03	3.01E+00	
360.9	4248.3	1.55E-03	2.47E-02	1.74E-03	5.70E-01	3.58E-02	2.16E+00	1.77E-02	5.80E-02	7.61E-04	1.23E-01	1.15E-02	3.00E+00	
361.1	4248.7	2.71E-03	2.04E-02	1.81E-03	4.35E-01	8.22E-02	2.20E+00	8.51E-03	5.37E-02	7.53E-04	1.53E-01	1.19E-02	2.97E+00	
361.1	4248	1.58E-03	2.04E-02	1.60E-03	6.23E-01	2.39E-02	2.12E+00	1.95E-02	6.02E-02	6.79E-04	8.48E-02	8.56E-03	2.96E+00	
360.9	4248.4	1.58E-03	2.34E-02	1.72E-03	5.40E-01	4.50E-02	2.12E+00	1.45E-02	5.68E-02	7.37E-04	1.37E-01	1.15E-02	2.95E+00	
360.9	4249.2	2.00E-03	1.84E-02	1.75E-03	3.71E-01	1.48E-01	2.17E+00	6.40E-03	5.54E-02	7.04E-04	1.42E-01	1.07E-02	2.93E+00	
360.632	4249.294	1.24E-03	2.42E-02	2.00E-03	3.65E-01	2.00E-01	2.13E+00	6.01E-03	5.88E-02	8.23E-04	1.37E-01	1.01E-02	2.93E+00	
361	4248.3	1.65E-03	2.19E-02	1.62E-03	5.49E-01	5.02E-02	2.07E+00	1.71E-02	5.86E-02	6.96E-04	1.40E-01	1.24E-02	2.93E+00	
360.9	4248.6	1.74E-03	2.33E-02	1.76E-03	4.91E-01	8.17E-02	2.10E+00	1.13E-02	5.62E-02	7.55E-04	1.46E-01	1.11E-02	2.92E+00	
361.1	4248.3	1.40E-03	2.01E-02	1.52E-03	5.43E-01	4.33E-02	2.09E+00	1.52E-02	5.61E-02	6.48E-04	1.28E-01	1.13E-02	2.91E+00	
361.1	4248.2	1.30E-03	1.92E-02	1.46E-03	5.68E-01	3.55E-02	2.06E+00	1.60E-02	5.67E-02	6.22E-04	1.13E-01	1.04E-02	2.88E+00	
361	4247.6	1.31E-02	2.11E-02	1.91E-03	8.05E-01	1.04E-02	1.87E+00	2.14E-02	7.97E-02	7.82E-04	4.98E-02	6.91E-03	2.88E+00	
361.1	4247.9	1.50E-03	2.04E-02	1.54E-03	6.56E-01	1.94E-02	2.01E+00	1.84E-02	6.16E-02	6.60E-04	7.37E-02	7.77E-03	2.87E+00	
359.806	4248.302	2.78E-04	4.37E-02	1.72E-03	3.48E-01	2.20E-02	2.30E+00	5.59E-03	6.74E-02	9.75E-04	6.46E-02	6.42E-03	2.86E+00	
361.1	4248.8	2.82E-03	1.99E-02	1.85E-03	4.09E-01	8.91E-02	2.10E+00	7.59E-03	5.27E-02	7.59E-04	1.51E-01	1.16E-02	2.85E+00	
359.728	4248.146	2.20E-04	4.45E-02	1.68E-03	4.07E-01	1.49E-02	2.23E+00	5.60E-03	6.61E-02	9.73E-04	5.60E-02	6.43E-03	2.84E+00	
359.8	4248.9	6.21E-04	3.71E-02	1.86E-03	2.72E-01	4.20E-02	2.34E+00	4.69E-03	3.70E-02	8.91E-04	7.25E-02	6.05E-03	2.81E+00	
361.1	4248.4	1.55E-03	1.89E-02	1.49E-03	5.04E-01	5.30E-02	2.01E+00	1.39E-02	5.48E-02	6.27E-04	1.40E-01	1.17E-02	2.81E+00	
361	4248.4	1.70E-03	2.09E-02	1.60E-03	5.04E-01	6.31E-02	1.97E+00	1.38E-02	5.76E-02	6.76E-04	1.45E-01	1.19E-02	2.79E+00	
359.755	4248.318	2.77E-04	3.74E-02	1.52E-03	3.12E-01	2.05E-02	2.28E+00	4.98E-03	6.39E-02	8.50E-04	5.89E-02	5.89E-03	2.79E+00	
360.9	4249.1	1.92E-03	1.78E-02	1.67E-03	4.27E-01	1.80E-01	1.89E+00	7.16E-03	6.58E-02	6.71E-04	1.72E-01	1.28E-02	2.77E+00	
360.9	4248.7	1.80E-03	2.26E-02	1.76E-03	4.64E-01	9.89E-02	1.96E+00	9.97E-03	5.65E-02	7.49E-04	1.46E-01	1.11E-02	2.77E+00	
360.199	4249.312	7.49E-04	3.38E-02	2.11E-03	2.99E-01	9.77E-02	2.17E+00	4.57E-03	4.56E-02	9.05E-04	1.05E-01	8.04E-03	2.77E+00	
360.549	4247.407	3.86E-04	1.67E-02	9.82E-04	8.48E-01	4.97E-03	1.36E+00	7.83E-03	4.21E-01	4.56E-04	4.97E-02	1.88E-02	2.73E+00	
361.2	4248.5	1.87E-03	1.97E-02	1.63E-03	4.25E-01	5.00E-02	2.04E+00	1.06E-02	4.95E-02	6.85E-04	1.17E-01	9.48E-03	2.72E+00	
360.5	4247.3	2.64E-04	1.20E-02	7.25E-04	4.58E-01	3.94E-03	1.64E+00	4.66E-03	5.12E-01	3.29E-04	3.27E-02	2.57E-02	2.69E+00	
361	4249	2.02E-03	1.81E-02	1.65E-03	4.03E-01	1.32E-01	1.90E+00	7.00E-03	5.80E-02	6.71E-04	1.57E-01	1.19E-02	2.69E+00	

TABLE 3.7-6
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
360	4249.1	8.35E-04	4.00E-02	2.13E-03	2.97E-01	7.68E-02	2.11E+00	4.69E-03	4.48E-02	9.77E-04	1.02E-01	7.97E-03	2.69E+00	
359.7	4248.7	4.41E-04	3.95E-02	1.66E-03	2.57E-01	2.92E-02	2.25E+00	4.17E-03	3.76E-02	9.13E-04	5.94E-02	5.15E-03	2.69E+00	
360.06	4249.18	8.28E-04	3.95E-02	2.16E-03	2.96E-01	8.52E-02	2.10E+00	4.54E-03	4.55E-02	9.78E-04	1.04E-01	7.99E-03	2.68E+00	
361.1	4248.9	2.66E-03	1.92E-02	1.80E-03	3.75E-01	9.18E-02	1.98E+00	6.75E-03	5.08E-02	7.36E-04	1.38E-01	1.06E-02	2.68E+00	
360.585	4249.378	1.06E-03	2.41E-02	1.94E-03	3.12E-01	1.45E-01	2.02E+00	5.38E-03	4.75E-02	7.99E-04	1.09E-01	8.23E-03	2.68E+00	
359.7	4248.6	3.93E-04	3.74E-02	1.56E-03	2.56E-01	2.69E-02	2.24E+00	4.12E-03	4.11E-02	8.63E-04	5.89E-02	5.20E-03	2.67E+00	
359.7	4248.2	2.46E-04	4.17E-02	1.63E-03	3.49E-01	1.53E-02	2.13E+00	5.07E-03	6.31E-02	9.25E-04	5.34E-02	5.96E-03	2.67E+00	
360.9	4248.9	1.81E-03	1.98E-02	1.69E-03	4.29E-01	1.74E-01	1.81E+00	8.06E-03	6.56E-02	6.99E-04	1.45E-01	1.05E-02	2.67E+00	
360.41	4247.229	2.39E-04	9.84E-03	5.68E-04	3.24E-01	3.82E-03	1.78E+00	3.26E-03	4.70E-01	2.61E-04	3.51E-02	2.79E-02	2.66E+00	
360.088	4249.225	8.05E-04	3.81E-02	2.15E-03	2.91E-01	8.62E-02	2.08E+00	4.43E-03	4.47E-02	9.56E-04	1.02E-01	7.82E-03	2.66E+00	
360.9	4248.8	1.80E-03	2.13E-02	1.72E-03	4.26E-01	1.08E-01	1.86E+00	8.74E-03	5.59E-02	7.24E-04	1.35E-01	1.02E-02	2.63E+00	
359.7	4248.5	3.59E-04	3.24E-02	1.42E-03	2.61E-01	2.41E-02	2.19E+00	4.06E-03	4.77E-02	7.64E-04	5.75E-02	5.25E-03	2.62E+00	
361.2	4248.6	2.48E-03	1.86E-02	1.69E-03	3.99E-01	5.57E-02	1.95E+00	9.03E-03	4.79E-02	6.95E-04	1.20E-01	9.56E-03	2.61E+00	
359.7	4248.8	4.98E-04	3.71E-02	1.69E-03	2.53E-01	3.10E-02	2.17E+00	4.14E-03	3.52E-02	8.75E-04	5.92E-02	5.09E-03	2.60E+00	
361.1	4247.8	1.66E-03	1.94E-02	1.47E-03	6.24E-01	1.58E-02	1.77E+00	1.88E-02	6.13E-02	6.26E-04	6.32E-02	7.00E-03	2.59E+00	
361.2	4248.1	9.25E-04	1.80E-02	1.39E-03	4.96E-01	2.60E-02	1.87E+00	1.43E-02	5.35E-02	5.91E-04	8.38E-02	7.91E-03	2.57E+00	
360.8	4249.1	1.73E-03	1.94E-02	1.73E-03	3.72E-01	1.65E-01	1.81E+00	7.03E-03	5.79E-02	7.02E-04	1.21E-01	8.93E-03	2.57E+00	
360	4249.2	8.04E-04	3.60E-02	2.01E-03	2.67E-01	7.01E-02	2.04E+00	4.14E-03	4.08E-02	9.00E-04	8.93E-02	6.99E-03	2.56E+00	
360.9	4249	1.84E-03	1.83E-02	1.65E-03	4.08E-01	1.99E-01	1.70E+00	7.43E-03	6.81E-02	6.70E-04	1.43E-01	1.02E-02	2.56E+00	
359.7	4248.4	3.17E-04	3.32E-02	1.42E-03	2.71E-01	2.09E-02	2.11E+00	4.19E-03	5.58E-02	7.75E-04	5.52E-02	5.36E-03	2.56E+00	
361.1	4247.7	2.63E-03	1.99E-02	1.57E-03	6.23E-01	1.29E-02	1.74E+00	1.87E-02	6.20E-02	6.61E-04	5.39E-02	6.36E-03	2.54E+00	
359.9	4249.2	7.38E-04	3.14E-02	1.79E-03	2.34E-01	5.35E-02	2.09E+00	3.76E-03	3.52E-02	7.98E-04	7.37E-02	5.86E-03	2.53E+00	
361.2	4248	1.12E-03	1.80E-02	1.46E-03	5.27E-01	2.19E-02	1.80E+00	1.55E-02	5.42E-02	6.11E-04	7.40E-02	7.33E-03	2.53E+00	
361	4247.5	1.04E-02	1.95E-02	1.89E-03	7.22E-01	8.59E-03	1.61E+00	1.71E-02	8.30E-02	7.63E-04	4.30E-02	6.43E-03	2.53E+00	
361	4249.1	2.01E-03	1.70E-02	1.58E-03	3.59E-01	1.22E-01	1.82E+00	6.35E-03	5.22E-02	6.39E-04	1.37E-01	1.04E-02	2.53E+00	
361.2	4248.4	1.26E-03	1.78E-02	1.41E-03	4.45E-01	4.32E-02	1.83E+00	1.19E-02	5.04E-02	5.97E-04	1.10E-01	9.32E-03	2.52E+00	
359.9	4249	7.40E-04	3.54E-02	1.92E-03	2.87E-01	5.76E-02	2.00E+00	4.81E-03	4.06E-02	8.75E-04	8.78E-02	7.09E-03	2.52E+00	
360	4249.3	7.46E-04	3.24E-02	1.87E-03	2.34E-01	6.16E-02	2.06E+00	3.62E-03	3.63E-02	8.28E-04	7.70E-02	6.03E-03	2.51E+00	
360.9	4249.3	1.86E-03	1.66E-02	1.62E-03	3.24E-01	1.18E-01	1.84E+00	5.70E-03	4.75E-02	6.49E-04	1.18E-01	9.02E-03	2.48E+00	
360.6	4249.4	1.07E-03	2.33E-02	1.88E-03	2.89E-01	1.18E-01	1.88E+00	5.11E-03	4.27E-02	7.73E-04	9.57E-02	7.35E-03	2.47E+00	
361.2	4248.7	2.42E-03	1.78E-02	1.58E-03	3.69E-01	5.99E-02	1.84E+00	7.70E-03	4.67E-02	6.52E-04	1.17E-01	9.36E-03	2.47E+00	
361	4249.2	2.14E-03	1.70E-02	1.69E-03	3.20E-01	1.07E-01	1.83E+00	5.72E-03	4.70E-02	6.72E-04	1.17E-01	9.03E-03	2.46E+00	
360.8	4249.2	1.68E-03	1.86E-02	1.71E-03	3.56E-01	1.83E-01	1.70E+00	6.45E-03	5.85E-02	6.89E-04	1.21E-01	8.85E-03	2.46E+00	
360.195	4249.375	7.14E-04	3.04E-02	1.95E-03	2.68E-01	8.53E-02	1.92E+00	4.19E-03	4.10E-02	8.26E-04	9.18E-02	7.05E-03	2.45E+00	
361.2	4248.3	1.01E-03	1.78E-02	1.36E-03	4.64E-01	3.67E-02	1.75E+00	1.25E-02	5.10E-02	5.78E-04	1.03E-01	9.00E-03	2.45E+00	
361.2	4247.9	1.06E-03	1.77E-02	1.39E-03	5.43E-01	1.85E-02	1.72E+00	1.43E-02	5.42E-02	5.87E-04	6.55E-02	6.75E-03	2.45E+00	
359.675	4248.099	1.93E-04	3.84E-02	1.46E-03	3.86E-01	1.28E-02	1.89E+00	5.42E-03	5.87E-02	8.43E-04	4.92E-02	5.64E-03	2.44E+00	
360.068	4249.275	7.70E-04	3.47E-02	2.01E-03	2.64E-01	7.53E-02	1.92E+00	4.04E-03	4.07E-02	8.84E-04	8.95E-02	6.96E-03	2.44E+00	
361.1	4249	2.18E-03	1.73E-02	1.57E-03	3.34E-01	8.83E-02	1.80E+00	6.12E-03	4.74E-02	6.41E-04	1.20E-01	9.35E-03	2.43E+00	
360.516	4247.275	2.40E-04	1.18E-02	7.32E-04	4.33E-01	4.07E-03	1.46E+00	4.55E-03	4.58E-01	3.30E-04	3.09E-02	2.20E-02	2.43E+00	
360.538	4249.462	9.27E-04	2.35E-02	1.85E-03	2.66E-01	1.02E-01	1.89E+00	4.77E-03	3.91E-02	7.59E-04	8.50E-02	6.57E-03	2.42E+00	
361.1	4247.6	4.78E-03	1.92E-02	1.71E-03	6.30E-01	1.07E-02	1.60E+00	1.74E-02	6.58E-02	7.01E-04	4.65E-02	5.89E-03	2.40E+00	
359.7	4248.3	2.63E-04	3.03E-02	1.28E-03	2.94E-01	1.79E-02	1.93E+00	4.62E-03	6.11E-02	7.00E-04	5.24E-02	5.54E-03	2.39E+00	
359.7	4248.9	5.26E-04	3.32E-02	1.63E-03	2.35E-01	3.21E-02	1.97E+00	4.01E-03	3.30E-02	7.98E-04	5.75E-02	4.87E-03	2.38E+00	
360.9	4247.4	1.88E-03	1.88E-02	1.48E-03	7.44E-01	6.78E-03	1.43E+00	1.33E-02	1.09E-01	6.31E-04	4.06E-02	7.28E-03	2.37E+00	
361.2	4248.8	2.32E-03	1.72E-02	1.50E-03	3.45E-01	6.44E-02	1.76E+00	6.71E-03	4.54E-02	6.25E-04	1.16E-01	9.16E-03	2.37E+00	
360.804	4247.376	6.86E-04	1.84E-02	1.33E-03	8.01E-01	6.26E-03	1.32E+00	1.18E-02	1.47E-01	5.80E-04	4.37E-02	9.37E-03	2.36E+00	
361.3	4248.4	1.10E-03	1.74E-02	1.36E-03	3.85E-01	3.54E-02	1.72E+00	9.95E-03	4.64E-02	5.82E-04	8.87E-02	7.57E-03	2.31E+00	
360.032	4249.325	7.32E-04	3.16E-02	1.86E-03	2.36E-01	6.40E-02	1.85E+00	3.62E-03	3.66E-02	8.14E-04	7.78E-02	6.08E-03	2.30E+00	
361.3	4248.5	1.47E-03	1.73E-02	1.47E-03	3.71E-01	3.96E-02	1.71E+00	9.38E-03	4.53E-02	6.13E-04	9.31E-02	7.70E-03	2.29E+00	
360.7	4249.3	1.36E-03	2.12E-02	1.81E-03	3.01E-01	1.09E-01	1.69E+00	5.56E-03	4.41E-02	7.45E-04	9.52E-02	7.41E-03	2.28E+00	
360.9	4249.4	1.76E-03	1.62E-02	1.62E-03	2.85E-01	9.33E-02	1.71E+00	5.10E-03	4.15E-02	6.44E-04	9.94E-02	7.65E-03	2.26E+00	
361.2	4248.2	7.89E-04	1.70E-02	1.29E-03	4.47E-01	3.06E-02	1.60E+00	1.26E-02	4.97E-02	5.48E-04	8.85E-02	7.95E-03	2.26E+00	
359.627	4248.675	4.00E-04	3.48E-02	1.49E-03	2.29E-01	2.41E-02	1.87E+00	3.67E-03	3.89E-02	8.13E-04	5.12E-02	4.59E-03	2.26E+00	
361.2	4248.9	2.21E-03	1.63E-02	1.44E-03	3.20E-01	6.68E-02	1.68E+00	5.96E-03	4.37E-02	5.95E-04	1.10E-01	8.65E-03	2.26E+00	
359.9	4249.3	6.95E-04	2.85E-02	1.67E-03	2.08E-01	4.84E-02	1.85E+00	3.30E-03	3.19E-02	7.37E-04	6.50E-02	5.16E-03	2.25E+00	
361	4249.3	2.21E-03	1.58E-02	1.78E-03	2.86E-01	9.42E-02	1.68E+00	5.16E-03	4.19E-02	6.89E-04	9.94E-02	7.70E-03	2.23E+00	
361.3	4248.3	8.52E-04	1.73E-02	1.30E-03	4.01E-01	3.10E-02	1.63E+00	1.02E-02	4.75E-02	5.59E-04	8.46E-02	7.39E-03	2.23E+00	
361.2	4247.8	1.09E-03	1.74E-02	1.35E-03	5.08E-01	1.54E-02	1.55E+00	1.44E-02	5.29E-02	5.69E-04	5.74E-02	6.15E-03	2.23E+00	
360.191	4249.427	6.87E-04	2.77E-02	1.81E-03	2.46E-01	7.64E-02	1.74E+00	3.91E-03	3.78E-02	7.63E-04	8.20E-02	6.34E-03	2.23E+00	
359.628	4248.588	3.69E-04	2.96E-02	1.33E-03	2.29E-01	2.26E-02	1.84E+00	3.59E-03	4.30E-02	7.04E-04	5.05E-02	4.64E-03	2.22E+00	
361.3	4248.6	1.71E-03	1.62E-02	1.42E-03	3.50E-01	4.32E-02	1.65E+00	8.46E-03	4.34E-02	5.88E-04	9.55E-02	7.76E-03	2.22E+00	
359.9	4249.1	7.39E-04	3.18E-02	1.79E-03	2.58E-01	5.69E-02	1.74E+00	4.27E-03	3.80E-02	8.00E-04	8.08E-02	6.49E-03	2.22E+00	
361.1	4247.5	7.09E-03	1.79E-02	1.75E-03	5.93E-01	8.96E-03	1.45E+00	1.55E-02	7.45E-02	7.02E-04	4.04E-02	5.52E-03	2.22E+00	
360.491	4249.545	8.32E-04	2.27E-02	1.75E-03	2.38E-01	8.24E-02	1.74E+00	4.29E-03	3.49E-02	7.21E-04	7.23E-02	5.64E-03	2.20E+00	
359.628	4248.5	3.49E-04	2.78E-02	1.29E-03	2.31E-01	2.07E-02	1.80E+00	3.54E-03	4.86E-02	6.70E-04	4.93E-02	4.71E-03	2.19E+00	
360.8	4249.3	1.59E-03	1.78E-02	1.65E-03	3.13E-01	1.37E-01	1.54E+00	5.75E-03	4.93E-02	6.64E-04	1.04E-01	7.83E-03	2.18E+00	
359.652	4248.019	1.76E-04	3.80E-02	1.40E-03	3.57E-01	1.12E-02	1.64E+00	5.64E-03	5.72E-02	8.26E-04	4.53E-02	5.19E-03	2.16E+00	
361.2	4247.7	1.33E-03	1.77E-02	1.38E-03	4.99E-01	1.28E-02	1.50E+00	1.51E-02	5.42E-02	5.84E-04	5.01E-02	5.63E-03	2.16E+00	
361	4247.4	4.24E-03	1.77E-02	1.59E-03	6.19E-01	7.16E-03	1.35E+00	1.28E-02	9.09E-02	6.51E-04	3.70E-02	5.90E-03	2.14E+00	
359.629	4248.371	2.78E-04	2.59E-02	1.14E-03	2.51E-01	1.75E-02	1.73E+00	3.87E-03	5.41E-02	6.13E-04	4.72E-02	4.94E-03	2.14E+00	
361.3	4248	6.93E-04	1.52E-02	1.21E-03	4.55E-01	1.96E-02	1.51E+00	1.29E-02	4.86E-02	5.11E-04	6.48E-02	6.37E-03	2.14E+00	
361.3	4247.9	8.84E-04	1.58E-02	1.28E-03	4.62E-01	1.70E-02	1.51E+00	1.18E-02	4.80E-02	5.36E-04	5.80E-02	5.92E-03	2.13E+00	
359.626	4248.301	2.60E-04	2.57E-02	1.13E-03	2.75E-01	1.57E-02	1.69E+00	4.16E-03	5.40E-02	6.05E-04	4.66E-02	5.12E-03	2.11E+00	
360.6	4249.5	9.82E-04	2.15E-02	1.73E-03	2.42E-01	7.33E-02	1.65E+00	4.46E-03	3.40E-02	7.10E-04	7.23E-02	5.76E-03	2.11E+00	
359.6	4248.1	2.01E-04	3.39E-02	1.38E-03	3.31E-01	1.14E-02	1.62E+00	4.80E-03	5.37E-02	7.58E-04	4.27E-02	4.77E-03	2.11E+00	
361.3	4248.7	1.90E-03	1.54E-02	1.37E-03	3.23E-01	4.55E-02	1.56E+00	7.25E-03	4.16E-02	5.63E-04	9.33E-02	7.61E-03	2.10E+00	

TABLE 3.7-6
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.6	4248.2	2.55E-04	3.33E-02	1.41E-03	3.12E-01	1.29E-02	1.62E+00	4.38E-03	5.24E-02	7.63E-04	4.46E-02	5.05E-03	2.09E+00	
360.7	4249.5	1.17E-03	1.98E-02	1.70E-03	2.64E-01	9.60E-02	1.57E+00	4.74E-03	3.94E-02	6.90E-04	8.77E-02	6.74E-03	2.09E+00	
361.2	4247.6	1.97E-03	1.77E-02	1.47E-03	5.09E-01	1.08E-02	1.42E+00	1.46E-02	6.10E-02	6.12E-04	4.39E-02	5.24E-03	2.08E+00	
360.8	4249.4	1.49E-03	1.75E-02	1.62E-03	2.93E-01	1.06E-01	1.50E+00	5.29E-03	4.42E-02	6.55E-04	1.02E-01	7.81E-03	2.08E+00	
360.7	4249.4	1.26E-03	2.03E-02	1.73E-03	2.63E-01	8.33E-02	1.56E+00	4.97E-03	3.76E-02	7.10E-04	7.93E-02	6.27E-03	2.06E+00	
359.6	4248.8	4.14E-04	3.05E-02	1.38E-03	2.10E-01	2.42E-02	1.69E+00	3.55E-03	3.38E-02	7.25E-04	4.74E-02	4.17E-03	2.05E+00	
361.2	4249	2.09E-03	1.54E-02	1.41E-03	2.87E-01	6.44E-02	1.53E+00	5.41E-03	4.08E-02	5.74E-04	9.70E-02	7.66E-03	2.05E+00	
359.8	4249	6.24E-04	2.90E-02	1.62E-03	2.47E-01	4.29E-02	1.61E+00	4.34E-03	3.49E-02	7.28E-04	6.83E-02	5.66E-03	2.05E+00	
361.3	4248.1	5.88E-04	1.48E-02	1.16E-03	4.22E-01	2.29E-02	1.45E+00	1.21E-02	4.78E-02	4.88E-04	7.07E-02	6.72E-03	2.04E+00	
361.1	4249.1	1.97E-03	1.52E-02	1.43E-03	3.00E-01	8.37E-02	1.48E+00	5.58E-03	4.34E-02	5.76E-04	1.06E-01	8.33E-03	2.04E+00	
361.1	4249.2	2.06E-03	1.50E-02	1.53E-03	2.72E-01	7.74E-02	1.52E+00	4.98E-03	3.99E-02	6.03E-04	9.43E-02	7.44E-03	2.03E+00	
360.189	4249.503	6.54E-04	2.48E-02	1.67E-03	2.21E-01	6.54E-02	1.59E+00	3.57E-03	3.39E-02	6.95E-04	7.02E-02	5.49E-03	2.02E+00	
360.9	4249.5	1.68E-03	1.60E-02	1.64E-03	2.53E-01	7.41E-02	1.54E+00	4.59E-03	3.68E-02	6.48E-04	8.37E-02	6.54E-03	2.02E+00	
361.4	4248.3	7.99E-04	1.63E-02	1.25E-03	3.50E-01	2.64E-02	1.49E+00	8.51E-03	4.34E-02	5.36E-04	6.93E-02	6.16E-03	2.01E+00	
361.3	4248.8	2.03E-03	1.51E-02	1.34E-03	3.01E-01	4.88E-02	1.49E+00	6.21E-03	4.01E-02	5.55E-04	9.10E-02	7.41E-03	2.00E+00	
361	4249.4	2.10E-03	1.47E-02	1.78E-03	2.55E-01	8.04E-02	1.51E+00	4.70E-03	3.73E-02	6.78E-04	8.36E-02	6.54E-03	2.00E+00	
360.7	4249.6	1.09E-03	1.88E-02	1.62E-03	2.48E-01	7.64E-02	1.51E+00	4.33E-03	3.54E-02	6.56E-04	8.35E-02	6.56E-03	1.98E+00	
361.4	4248.4	9.41E-04	1.58E-02	1.25E-03	3.36E-01	2.92E-02	1.47E+00	8.39E-03	4.26E-02	5.32E-04	7.15E-02	6.24E-03	1.98E+00	
359.629	4247.939	1.58E-04	3.60E-02	1.26E-03	3.37E-01	9.76E-03	1.48E+00	5.08E-03	6.22E-02	7.74E-04	4.13E-02	4.80E-03	1.98E+00	
361.1	4247.4	4.53E-03	1.64E-02	1.61E-03	5.33E-01	7.57E-03	1.28E+00	1.25E-02	8.30E-02	6.44E-04	3.52E-02	5.13E-03	1.98E+00	
361.2	4247.5	3.32E-03	1.67E-02	1.57E-03	4.98E-01	9.16E-03	1.32E+00	1.35E-02	6.93E-02	6.33E-04	3.85E-02	4.93E-03	1.97E+00	
360.5	4249.6	8.07E-04	2.14E-02	1.65E-03	2.13E-01	5.83E-02	1.57E+00	3.94E-03	3.01E-02	6.80E-04	6.03E-02	4.86E-03	1.96E+00	
361.3	4247.8	8.44E-04	1.57E-02	1.23E-03	4.24E-01	1.46E-02	1.38E+00	1.15E-02	4.71E-02	5.20E-04	5.13E-02	5.44E-03	1.95E+00	
360.8	4249.5	1.38E-03	1.73E-02	1.59E-03	2.68E-01	8.47E-02	1.43E+00	4.78E-03	3.88E-02	6.41E-04	9.17E-02	7.16E-03	1.95E+00	
359.8	4249.3	6.14E-04	2.43E-02	1.46E-03	1.84E-01	3.81E-02	1.60E+00	3.05E-03	2.81E-02	6.41E-04	5.39E-02	4.36E-03	1.94E+00	
360.8	4247.3	6.03E-04	1.63E-02	1.19E-03	6.20E-01	5.51E-03	1.09E+00	8.88E-03	1.50E-01	5.13E-04	3.71E-02	8.47E-03	1.94E+00	
361.4	4248.5	1.15E-03	1.54E-02	1.29E-03	3.23E-01	3.17E-02	1.44E+00	8.22E-03	4.16E-02	5.42E-04	7.48E-02	6.33E-03	1.94E+00	
359.6	4248	1.71E-04	3.40E-02	1.27E-03	3.24E-01	1.01E-02	1.46E+00	5.15E-03	5.56E-02	7.42E-04	4.10E-02	4.69E-03	1.94E+00	
359.984	4249.373	6.80E-04	2.75E-02	1.65E-03	2.07E-01	5.32E-02	1.53E+00	3.23E-03	3.25E-02	7.17E-04	6.56E-02	5.21E-03	1.93E+00	
361.3	4248.2	5.77E-04	1.56E-02	1.17E-03	3.80E-01	2.66E-02	1.36E+00	1.05E-02	4.57E-02	4.99E-04	7.34E-02	6.62E-03	1.92E+00	
361.3	4248.9	2.07E-03	1.49E-02	1.35E-03	2.80E-01	5.08E-02	1.43E+00	5.49E-03	3.86E-02	5.55E-04	8.86E-02	7.14E-03	1.92E+00	
360.444	4249.629	7.49E-04	2.16E-02	1.63E-03	2.06E-01	5.76E-02	1.54E+00	3.79E-03	2.94E-02	6.73E-04	5.78E-02	4.64E-03	1.92E+00	
361.4	4248.2	6.12E-04	1.55E-02	1.16E-03	3.57E-01	2.32E-02	1.38E+00	9.07E-03	4.35E-02	4.98E-04	6.64E-02	6.07E-03	1.91E+00	
361.4	4248.6	1.47E-03	1.44E-02	1.32E-03	3.07E-01	3.39E-02	1.41E+00	7.62E-03	3.98E-02	5.38E-04	7.67E-02	6.36E-03	1.90E+00	
360.9	4247.3	1.26E-03	1.62E-02	1.29E-03	5.75E-01	5.70E-03	1.13E+00	9.72E-03	1.19E-01	5.45E-04	3.41E-02	6.52E-03	1.90E+00	
360.5	4247.189	1.89E-04	9.95E-03	6.55E-04	3.14E-01	3.46E-03	1.16E+00	3.53E-03	3.70E-01	2.90E-04	2.56E-02	1.63E-02	1.90E+00	
360.725	4249.695	1.08E-03	1.78E-02	1.57E-03	2.20E-01	6.01E-02	1.48E+00	3.95E-03	3.11E-02	6.29E-04	6.95E-02	5.52E-03	1.89E+00	35
361.1	4249.3	2.14E-03	1.42E-02	1.63E-03	2.48E-01	7.17E-02	1.42E+00	4.53E-03	3.69E-02	6.24E-04	8.27E-02	6.56E-03	1.88E+00	
360.6	4249.6	9.05E-04	1.99E-02	1.60E-03	2.17E-01	6.10E-02	1.48E+00	4.01E-03	3.05E-02	6.55E-04	6.27E-02	5.06E-03	1.88E+00	
360.186	4249.569	6.29E-04	2.28E-02	1.57E-03	2.02E-01	5.70E-02	1.50E+00	3.33E-03	3.09E-02	6.49E-04	6.17E-02	4.88E-03	1.88E+00	
361.3	4247.7	1.05E-03	1.59E-02	1.27E-03	4.01E-01	1.24E-02	1.32E+00	1.19E-02	5.10E-02	5.32E-04	4.56E-02	5.02E-03	1.87E+00	
359.555	4248.218	2.67E-04	2.92E-02	1.30E-03	2.86E-01	1.23E-02	1.44E+00	4.04E-03	4.92E-02	6.86E-04	4.12E-02	4.66E-03	1.87E+00	
361.4	4247.9	6.99E-04	1.40E-02	1.14E-03	4.00E-01	1.54E-02	1.31E+00	9.83E-03	4.31E-02	4.77E-04	5.19E-02	5.26E-03	1.86E+00	
359.606	4247.882	1.63E-04	3.72E-02	1.28E-03	3.11E-01	8.73E-03	1.38E+00	4.63E-03	6.97E-02	7.97E-04	3.82E-02	4.68E-03	1.86E+00	
361.2	4249.1	2.06E-03	1.45E-02	1.42E-03	2.56E-01	6.07E-02	1.38E+00	4.87E-03	3.74E-02	5.68E-04	8.46E-02	6.75E-03	1.85E+00	
360.2	4249.6	6.21E-04	2.20E-02	1.54E-03	1.98E-01	5.49E-02	1.47E+00	3.30E-03	3.01E-02	6.32E-04	5.99E-02	4.75E-03	1.84E+00	
360.6	4249.7	8.54E-04	1.88E-02	1.53E-03	2.12E-01	6.47E-02	1.43E+00	3.80E-03	3.06E-02	6.22E-04	6.58E-02	5.20E-03	1.84E+00	
360.395	4247.146	1.95E-04	8.73E-03	5.35E-04	2.27E-01	3.48E-03	1.09E+00	2.64E-03	4.58E-01	2.42E-04	3.44E-02	1.17E-02	1.84E+00	
361.4	4248.7	1.99E-03	1.35E-02	1.35E-03	2.86E-01	3.54E-02	1.36E+00	6.76E-03	3.77E-02	5.40E-04	7.53E-02	6.23E-03	1.83E+00	
361.4	4248.1	5.58E-04	1.41E-02	1.09E-03	3.71E-01	2.02E-02	1.30E+00	1.01E-02	4.31E-02	4.63E-04	6.13E-02	5.84E-03	1.83E+00	
359.524	4248.149	2.25E-04	2.92E-02	1.28E-03	2.88E-01	1.07E-02	1.40E+00	4.02E-03	4.85E-02	6.73E-04	3.79E-02	4.20E-03	1.82E+00	
360.9	4249.6	1.57E-03	1.58E-02	1.63E-03	2.27E-01	5.94E-02	1.40E+00	4.19E-03	3.27E-02	6.39E-04	7.10E-02	5.64E-03	1.82E+00	
361.2	4247.4	2.87E-03	1.56E-02	1.45E-03	4.65E-01	7.82E-03	1.20E+00	1.18E-02	7.37E-02	5.85E-04	3.40E-02	4.62E-03	1.82E+00	
360.178	4249.644	6.02E-04	2.12E-02	1.48E-03	1.84E-01	4.84E-02	1.47E+00	3.07E-03	2.80E-02	6.10E-04	5.48E-02	4.34E-03	1.82E+00	
361	4247.3	2.16E-03	1.57E-02	1.35E-03	5.17E-01	6.05E-03	1.11E+00	9.73E-03	1.02E-01	5.57E-04	3.21E-02	5.37E-03	1.80E+00	
359.8	4249.1	6.22E-04	2.56E-02	1.51E-03	2.22E-01	4.27E-02	1.40E+00	3.91E-03	3.25E-02	6.62E-04	6.38E-02	5.24E-03	1.80E+00	
360.7	4249.7	1.00E-03	1.76E-02	1.51E-03	2.19E-01	6.08E-02	1.38E+00	3.92E-03	3.10E-02	6.09E-04	6.98E-02	5.56E-03	1.79E+00	
360.8	4249.6	1.27E-03	1.69E-02	1.52E-03	2.37E-01	6.80E-02	1.34E+00	4.32E-03	3.41E-02	6.14E-04	7.65E-02	6.06E-03	1.79E+00	
361	4249.5	1.96E-03	1.40E-02	1.75E-03	2.30E-01	6.56E-02	1.38E+00	4.29E-03	3.36E-02	6.61E-04	7.14E-02	5.66E-03	1.79E+00	
361.3	4247.6	1.48E-03	1.59E-02	1.35E-03	4.03E-01	1.06E-02	1.24E+00	1.14E-02	5.86E-02	5.56E-04	4.02E-02	4.66E-03	1.79E+00	
361.3	4249	2.17E-03	1.46E-02	1.41E-03	2.54E-01	4.95E-02	1.33E+00	4.92E-03	3.62E-02	5.67E-04	8.05E-02	6.47E-03	1.78E+00	
361.4	4248	5.01E-04	1.29E-02	1.04E-03	3.96E-01	1.77E-02	1.23E+00	1.07E-02	4.27E-02	4.34E-04	5.58E-02	5.53E-03	1.78E+00	
360.771	4247.244	4.68E-04	1.48E-02	1.06E-03	5.25E-01	5.02E-03	9.95E-01	7.14E-03	1.81E-01	4.58E-04	3.41E-02	8.96E-03	1.77E+00	
359.8	4249.2	6.20E-04	2.40E-02	1.45E-03	2.03E-01	4.09E-02	1.40E+00	3.46E-03	3.05E-02	6.30E-04	5.87E-02	4.80E-03	1.76E+00	
360.5	4249.7	7.52E-04	1.97E-02	1.53E-03	1.91E-01	4.71E-02	1.40E+00	3.55E-03	2.67E-02	6.29E-04	5.20E-02	4.24E-03	1.75E+00	
360.397	4249.713	6.76E-04	2.03E-02	1.52E-03	1.87E-01	5.16E-02	1.40E+00	3.44E-03	2.70E-02	6.24E-04	5.16E-02	4.15E-03	1.75E+00	
359.501	4248.764	3.79E-04	2.64E-02	1.23E-03	1.85E-01	1.90E-02	1.43E+00	3.05E-03	3.60E-02	6.38E-04	3.96E-02	3.68E-03	1.74E+00	
361.1	4249.4	2.13E-03	1.33E-02	1.67E-03	2.27E-01	6.53E-02	1.31E+00	4.20E-03	3.39E-02	6.28E-04	7.14E-02	5.71E-03	1.74E+00	
359.5	4248.8	3.79E-04	2.66E-02	1.23E-03	1.82E-01	1.93E-02	1.42E+00	3.05E-03	3.43E-02	6.41E-04	3.93E-02	3.60E-03	1.73E+00	
361.4	4248.8	2.30E-03	1.31E-02	1.36E-03	2.65E-01	3.79E-02	1.29E+00	5.94E-03	3.60E-02	5.38E-04	7.26E-02	6.03E-03	1.73E+00	
359.939	4249.397	6.46E-04	2.52E-02	1.52E-03	1.90E-01	4.67E-02	1.37E+00	3.00E-03	3.00E-02	6.60E-04	5.85E-02	4.69E-03	1.73E+00	
361.1	4247.3	3.12E-03	1.51E-02	1.46E-03	4.67E-01	6.44E-03	1.09E+00	9.63E-03	8.55E-02	5.86E-04	3.11E-02	4.75E-03	1.72E+00	
361.3	4247.5	1.54E-03	1.54E-02	1.32E-03	4.08E-01	9.08E-03	1.17E+00	1.09E-02	6.19E-02	5.43E-04	3.58E-02	4.40E-03	1.72E+00	
361.5	4248.3	6.57E-04	1.43E-02	1.09E-03	3.02E-01	2.23E-02	1.26E+00	7.41E-03	3.89E-02	4.70E-04	5.70E-02	5.19E-03	1.71E+00	
360.293	4247.104	2.41E-04	1.16E-02	5.82E-04	1.98E-01	3.58E-03	9.15E-01	2.45E-03	5.34E-01	2.92E-04	3.73E-02	8.70E-03	1.71E+00	
359.9	4249.4	6.28E-04	2.41E-02	1.46E-03	1.82E-01	4.27E-02	1.36E+00	2.89E-03	2.87E-02	6.34E-04	5.49E-02	4.43E-03	1.70E+00	
361.5	4248.4	8.23E-04	1.43E-02	1.13E-03	2.95E-01	2.40E-02	1.26E+00	7.08E-03	3.86E-02	4.82E-04	5.85E-02	5.24E-03	1.70E+00	

TABLE 3.7-6
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.7	4249	5.25E-04	2.60E-02	1.43E-03	2.15E-01	3.27E-02	1.33E+00	3.80E-03	3.08E-02	6.51E-04	5.42E-02	4.58E-03	1.70E+00	
359.8	4249.4	5.72E-04	2.17E-02	1.33E-03	1.64E-01	3.45E-02	1.40E+00	2.69E-03	2.55E-02	5.81E-04	4.76E-02	3.86E-03	1.70E+00	
360.6	4249.8	8.07E-04	1.76E-02	1.46E-03	1.96E-01	5.21E-02	1.33E+00	3.48E-03	2.75E-02	5.87E-04	6.04E-02	4.84E-03	1.69E+00	
359.494	4248.081	1.82E-04	2.70E-02	1.13E-03	2.66E-01	9.37E-03	1.30E+00	4.09E-03	4.78E-02	6.13E-04	3.50E-02	3.86E-03	1.69E+00	
361.2	4249.2	1.96E-03	1.33E-02	1.39E-03	2.32E-01	5.70E-02	1.26E+00	4.36E-03	3.46E-02	5.44E-04	7.49E-02	6.02E-03	1.69E+00	
360.178	4249.719	5.73E-04	1.94E-02	1.39E-03	1.68E-01	4.18E-02	1.37E+00	2.86E-03	2.55E-02	5.68E-04	4.90E-02	3.91E-03	1.68E+00	
360.2	4249.7	5.84E-04	1.97E-02	1.41E-03	1.76E-01	4.49E-02	1.35E+00	3.00E-03	2.65E-02	5.76E-04	5.14E-02	4.11E-03	1.68E+00	
361.4	4247.8	7.08E-04	1.37E-02	1.10E-03	3.61E-01	1.35E-02	1.18E+00	9.20E-03	4.32E-02	4.60E-04	4.64E-02	4.82E-03	1.67E+00	
361.5	4248.2	5.84E-04	1.41E-02	1.07E-03	3.11E-01	2.02E-02	1.22E+00	7.96E-03	3.86E-02	4.60E-04	5.53E-02	5.15E-03	1.67E+00	
359.6	4248.9	4.34E-04	2.59E-02	1.30E-03	1.99E-01	2.49E-02	1.33E+00	3.44E-03	3.06E-02	6.35E-04	4.55E-02	3.98E-03	1.67E+00	
360.8	4249.7	1.18E-03	1.62E-02	1.46E-03	2.12E-01	5.48E-02	1.28E+00	3.93E-03	3.02E-02	5.85E-04	6.46E-02	5.18E-03	1.67E+00	
361.5	4248.5	1.25E-03	1.41E-02	1.27E-03	2.86E-01	2.57E-02	1.22E+00	6.97E-03	3.79E-02	5.23E-04	6.08E-02	5.30E-03	1.66E+00	
361.4	4248.9	2.25E-03	1.30E-02	1.36E-03	2.46E-01	3.95E-02	1.24E+00	5.22E-03	3.45E-02	5.38E-04	7.12E-02	5.88E-03	1.66E+00	
360.7	4249.8	9.50E-04	1.67E-02	1.45E-03	1.97E-01	4.93E-02	1.29E+00	3.56E-03	2.76E-02	5.79E-04	5.94E-02	4.79E-03	1.66E+00	
360.8	4247.2	4.96E-04	1.39E-02	1.02E-03	4.65E-01	4.75E-03	9.41E-01	6.55E-03	1.81E-01	4.37E-04	3.12E-02	8.39E-03	1.65E+00	
360.9	4249.7	1.46E-03	1.54E-02	1.58E-03	2.04E-01	4.86E-02	1.28E+00	3.86E-03	2.92E-02	6.17E-04	6.04E-02	4.87E-03	1.65E+00	
361.3	4247.4	1.41E-03	1.44E-02	1.24E-03	4.03E-01	7.89E-03	1.10E+00	1.06E-02	6.33E-02	5.10E-04	3.24E-02	4.17E-03	1.64E+00	
361.5	4248.6	1.64E-03	1.32E-02	1.33E-03	2.73E-01	2.71E-02	1.21E+00	6.74E-03	3.65E-02	5.29E-04	6.22E-02	5.31E-03	1.64E+00	
361.5	4248.1	5.44E-04	1.33E-02	1.03E-03	3.30E-01	1.79E-02	1.17E+00	8.78E-03	3.86E-02	4.37E-04	5.27E-02	5.05E-03	1.64E+00	
359.7	4249.1	5.31E-04	2.32E-02	1.36E-03	1.98E-01	3.26E-02	1.29E+00	3.51E-03	2.90E-02	6.00E-04	5.17E-02	4.33E-03	1.63E+00	
360.9	4247.2	1.09E-03	1.43E-02	1.21E-03	4.57E-01	4.90E-03	9.73E-01	7.43E-03	1.35E-01	4.98E-04	2.94E-02	6.46E-03	1.63E+00	
361.2	4247.3	2.08E-03	1.45E-02	1.35E-03	4.21E-01	6.74E-03	1.06E+00	9.74E-03	7.45E-02	5.44E-04	3.03E-02	4.31E-03	1.63E+00	
359.5	4248.9	3.86E-04	2.41E-02	1.18E-03	1.74E-01	1.98E-02	1.33E+00	2.99E-03	3.02E-02	5.91E-04	3.79E-02	3.40E-03	1.62E+00	
359.5	4248	1.61E-04	2.68E-02	1.06E-03	2.66E-01	8.77E-03	1.22E+00	4.33E-03	5.24E-02	5.96E-04	3.42E-02	3.90E-03	1.62E+00	
361	4249.6	1.81E-03	1.36E-02	1.73E-03	2.09E-01	5.28E-02	1.24E+00	3.97E-03	3.04E-02	6.46E-04	6.21E-02	4.98E-03	1.62E+00	
361.3	4249.1	2.36E-03	1.37E-02	1.51E-03	2.27E-01	4.60E-02	1.20E+00	4.42E-03	3.35E-02	5.84E-04	6.99E-02	5.67E-03	1.60E+00	
361.5	4248.7	2.04E-03	1.22E-02	1.34E-03	2.56E-01	2.81E-02	1.20E+00	6.26E-03	3.45E-02	5.24E-04	6.19E-02	5.21E-03	1.60E+00	
361.4	4247.7	9.81E-04	1.41E-02	1.16E-03	3.25E-01	1.17E-02	1.14E+00	9.07E-03	4.67E-02	4.82E-04	4.07E-02	4.36E-03	1.60E+00	
359.7	4249.3	5.13E-04	1.99E-02	1.23E-03	1.63E-01	3.01E-02	1.30E+00	2.82E-03	2.49E-02	5.34E-04	4.43E-02	3.66E-03	1.59E+00	
360.771	4247.141	3.87E-04	1.28E-02	9.17E-04	4.05E-01	4.36E-03	8.97E-01	5.42E-03	2.25E-01	3.95E-04	2.90E-02	9.12E-03	1.59E+00	
361.5	4248	5.00E-04	1.20E-02	9.69E-04	3.51E-01	1.59E-02	1.10E+00	9.08E-03	3.89E-02	4.07E-04	4.90E-02	4.86E-03	1.59E+00	
361.2	4249.3	1.97E-03	1.26E-02	1.42E-03	2.15E-01	5.28E-02	1.19E+00	3.99E-03	3.24E-02	5.44E-04	6.72E-02	5.45E-03	1.59E+00	
361.1	4249.5	2.08E-03	1.26E-02	1.73E-03	2.08E-01	5.59E-02	1.20E+00	3.92E-03	3.08E-02	6.38E-04	6.13E-02	4.95E-03	1.58E+00	
359.528	4247.817	1.97E-04	3.29E-02	1.20E-03	2.64E-01	7.43E-03	1.17E+00	3.92E-03	6.29E-02	7.19E-04	3.31E-02	4.44E-03	1.58E+00	
360.5	4249.8	7.02E-04	1.83E-02	1.43E-03	1.73E-01	4.07E-02	1.26E+00	3.22E-03	2.43E-02	5.84E-04	4.60E-02	3.78E-03	1.57E+00	
361	4247.2	2.24E-03	1.42E-02	1.35E-03	4.35E-01	5.16E-03	9.58E-01	7.81E-03	1.10E-01	5.41E-04	2.82E-02	5.31E-03	1.57E+00	
360.49	4247.124	1.65E-04	8.84E-03	6.18E-04	2.58E-01	3.21E-03	9.03E-01	3.02E-03	3.52E-01	2.69E-04	2.38E-02	1.11E-02	1.56E+00	
361.5	4247.9	5.48E-04	1.20E-02	9.79E-04	3.51E-01	1.40E-02	1.09E+00	8.44E-03	3.98E-02	4.09E-04	4.60E-02	4.66E-03	1.56E+00	
361.4	4249	2.28E-03	1.31E-02	1.42E-03	2.27E-01	3.90E-02	1.16E+00	4.60E-03	3.26E-02	5.57E-04	6.72E-02	5.52E-03	1.55E+00	
359.5	4247.9	1.87E-04	2.87E-02	1.11E-03	2.52E-01	8.04E-03	1.16E+00	3.88E-03	6.05E-02	6.34E-04	3.18E-02	4.03E-03	1.55E+00	
360.35	4249.797	6.04E-04	1.85E-02	1.38E-03	1.66E-01	4.21E-02	1.24E+00	3.08E-03	2.40E-02	5.66E-04	4.41E-02	3.59E-03	1.54E+00	
361.3	4247.3	1.31E-03	1.37E-02	1.19E-03	3.80E-01	6.90E-03	1.02E+00	9.66E-03	6.54E-02	4.89E-04	2.93E-02	3.94E-03	1.53E+00	
361.6	4248.2	6.50E-04	1.36E-02	1.05E-03	2.76E-01	1.76E-02	1.13E+00	7.00E-03	3.45E-02	4.51E-04	4.67E-02	4.39E-03	1.53E+00	
360.277	4249.8	5.67E-04	1.79E-02	1.33E-03	1.66E-01	4.14E-02	1.22E+00	2.98E-03	2.45E-02	5.41E-04	4.73E-02	3.81E-03	1.53E+00	
360.4	4249.8	8.31E-04	1.86E-02	1.40E-03	1.65E-01	3.59E-02	1.23E+00	3.10E-03	2.32E-02	5.74E-04	4.23E-02	3.50E-03	1.52E+00	
361.6	4248.1	5.65E-04	1.29E-02	9.99E-04	2.94E-01	1.58E-02	1.11E+00	7.66E-03	3.53E-02	4.26E-04	4.56E-02	4.38E-03	1.52E+00	
361.5	4248.8	2.33E-03	1.15E-02	1.32E-03	2.36E-01	3.00E-02	1.13E+00	5.63E-03	3.28E-02	5.09E-04	5.93E-02	5.00E-03	1.52E+00	
360.8	4249.8	1.09E-03	1.54E-02	1.38E-03	1.91E-01	4.50E-02	1.17E+00	3.59E-03	2.70E-02	5.49E-04	5.54E-02	4.50E-03	1.51E+00	
360.9	4249.8	1.35E-03	1.48E-02	1.52E-03	1.86E-01	4.03E-02	1.18E+00	3.57E-03	2.64E-02	5.88E-04	5.24E-02	4.29E-03	1.51E+00	
360.6	4249.9	7.56E-04	1.64E-02	1.36E-03	1.74E-01	4.21E-02	1.19E+00	3.16E-03	2.43E-02	5.45E-04	5.04E-02	4.10E-03	1.51E+00	
361.1	4247.2	3.14E-03	1.39E-02	1.46E-03	4.08E-01	5.52E-03	9.47E-01	7.86E-03	8.98E-02	5.74E-04	2.77E-02	4.64E-03	1.51E+00	
361.4	4247.6	1.05E-03	1.37E-02	1.16E-03	3.18E-01	1.01E-02	1.06E+00	8.81E-03	5.17E-02	4.76E-04	3.56E-02	4.02E-03	1.51E+00	
361.6	4248.3	8.21E-04	1.35E-02	1.09E-03	2.63E-01	1.89E-02	1.12E+00	6.49E-03	3.45E-02	4.62E-04	4.74E-02	4.39E-03	1.51E+00	
359.427	4248.61	3.44E-04	1.98E-02	1.02E-03	1.70E-01	1.50E-02	1.22E+00	2.59E-03	3.97E-02	5.01E-04	3.43E-02	3.54E-03	1.50E+00	
361.2	4249.4	2.00E-03	1.20E-02	1.44E-03	2.01E-01	5.00E-02	1.13E+00	3.74E-03	3.06E-02	5.45E-04	6.03E-02	4.94E-03	1.50E+00	
360.428	4247.101	1.68E-04	8.09E-03	5.45E-04	2.03E-01	3.02E-03	8.13E-01	2.53E-03	4.37E-01	2.40E-04	2.57E-02	8.68E-03	1.50E+00	
359.459	4247.985	1.61E-04	2.48E-02	1.00E-03	2.43E-01	8.18E-03	1.13E+00	4.02E-03	5.22E-02	5.56E-04	3.12E-02	3.62E-03	1.50E+00	
359.7	4249.4	4.99E-04	1.88E-02	1.18E-03	1.47E-01	2.78E-02	1.23E+00	2.51E-03	2.29E-02	5.13E-04	4.03E-02	3.31E-03	1.49E+00	
360.8	4247.1	4.00E-04	1.24E-02	9.06E-04	3.72E-01	4.17E-03	8.48E-01	5.14E-03	2.12E-01	3.87E-04	2.70E-02	8.39E-03	1.49E+00	
359.5	4247.8	2.01E-04	3.11E-02	1.16E-03	2.47E-01	7.11E-03	1.10E+00	3.72E-03	5.76E-02	6.83E-04	3.10E-02	4.14E-03	1.49E+00	
361.6	4248.4	9.73E-04	1.32E-02	1.12E-03	2.58E-01	1.98E-02	1.09E+00	6.09E-03	3.44E-02	4.67E-04	4.85E-02	4.44E-03	1.48E+00	
360.7	4249.9	8.77E-04	1.55E-02	1.35E-03	1.78E-01	4.02E-02	1.16E+00	3.27E-03	2.46E-02	5.37E-04	5.14E-02	4.20E-03	1.48E+00	
361	4249.7	1.63E-03	1.32E-02	1.61E-03	1.92E-01	4.33E-02	1.13E+00	3.70E-03	2.77E-02	6.06E-04	5.42E-02	4.42E-03	1.47E+00	
359.888	4249.439	5.95E-04	2.20E-02	1.35E-03	1.70E-01	3.95E-02	1.15E+00	2.73E-03	2.69E-02	5.84E-04	5.02E-02	4.08E-03	1.47E+00	
360.2	4249.8	5.44E-04	1.74E-02	1.29E-03	1.57E-01	3.70E-02	1.18E+00	2.72E-03	2.35E-02	5.21E-04	4.44E-02	3.59E-03	1.47E+00	
361.4	4247.4	1.11E-03	1.35E-02	1.17E-03	3.47E-01	7.77E-03	9.96E-01	9.02E-03	5.66E-02	4.77E-04	3.01E-02	3.74E-03	1.47E+00	
360.186	4249.823	5.34E-04	1.70E-02	1.26E-03	1.51E-01	3.45E-02	1.19E+00	2.61E-03	2.26E-02	5.10E-04	4.24E-02	3.43E-03	1.46E+00	
360.5	4249.9	6.64E-04	1.70E-02	1.34E-03	1.62E-01	3.94E-02	1.17E+00	2.99E-03	2.29E-02	5.46E-04	4.39E-02	3.58E-03	1.46E+00	
361.2	4247.2	2.07E-03	1.36E-02	1.33E-03	3.80E-01	5.86E-03	9.39E-01	7.94E-03	7.59E-02	5.29E-04	2.73E-02	4.18E-03	1.46E+00	
360.9	4247.1	7.93E-04	1.29E-02	1.08E-03	3.76E-01	4.26E-03	8.67E-01	5.92E-03	1.56E-01	4.45E-04	2.59E-02	6.70E-03	1.46E+00	
361.3	4249.2	2.16E-03	1.25E-02	1.44E-03	2.05E-01	4.33E-02	1.09E+00	3.99E-03	3.10E-02	5.49E-04	6.12E-02	5.01E-03	1.46E+00	
361.4	4247.5	9.31E-04	1.33E-02	1.11E-03	3.31E-01	8.76E-03	9.98E-01	8.71E-03	5.48E-02	4.57E-04	3.22E-02	3.84E-03	1.45E+00	
361.6	4248	5.19E-04	1.16E-02	9.29E-04	3.13E-01	1.42E-02	1.02E+00	7.80E-03	3.66E-02	3.91E-04	4.35E-02	4.32E-03	1.45E+00	
361.5	4248.9	2.45E-03	1.12E-02	1.32E-03	2.19E-01	3.13E-02	1.08E+00	4.97E-03	3.12E-02	5.09E-04	5.80E-02	4.89E-03	1.45E+00	
361.5	4247.8	5.98E-04	1.19E-02	9.70E-04	3.13E-01	1.24E-02	1.01E+00	7.73E-03	3.98E-02	4.02E-04	4.15E-02	4.29E-03	1.45E+00	
361.6	4248.5	1.38E-03	1.28E-02	1.27E-03	2.55E-01	2.10E-02	1.06E+00	5.96E-03	3.40E-02	5.08E-04	5.03E-02	4.51E-03	1.44E+00	
359.399	4248.787	3.70E-04	2.12E-02	1.09E-03	1.59E-01	1.55E-02	1.17E+00	2.63E-03	3.52E-02	5.34E-04	3.27E-02	3.22E-03	1.44E+00	

TABLE 3.7-6
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
361.1	4249.6	1.89E-03	1.21E-02	1.62E-03	1.91E-01	4.69E-02	1.10E+00	3.67E-03	2.81E-02	5.98E-04	5.32E-02	4.34E-03	1.44E+00	
359.6	4249	4.45E-04	2.27E-02	1.24E-03	1.87E-01	2.54E-02	1.12E+00	3.28E-03	2.82E-02	5.71E-04	4.38E-02	3.79E-03	1.43E+00	
359.4	4248.6	3.32E-04	1.91E-02	9.75E-04	1.65E-01	1.42E-02	1.15E+00	2.50E-03	3.86E-02	4.81E-04	3.27E-02	3.42E-03	1.43E+00	
361.6	4248.6	1.78E-03	1.20E-02	1.33E-03	2.45E-01	2.19E-02	1.05E+00	5.93E-03	3.31E-02	5.19E-04	5.13E-02	4.52E-03	1.43E+00	
361.4	4249.1	2.49E-03	1.28E-02	1.53E-03	2.05E-01	3.63E-02	1.06E+00	4.12E-03	3.04E-02	5.81E-04	5.99E-02	4.93E-03	1.42E+00	
361.4	4247.3	1.52E-03	1.32E-02	1.23E-03	3.42E-01	6.92E-03	9.58E-01	8.79E-03	5.76E-02	4.94E-04	2.80E-02	3.61E-03	1.42E+00	
361	4247.1	1.93E-03	1.29E-02	1.31E-03	3.73E-01	4.46E-03	8.66E-01	6.46E-03	1.21E-01	5.16E-04	2.50E-02	5.66E-03	1.42E+00	
360.765	4247.037	3.11E-04	1.14E-02	8.19E-04	3.25E-01	3.85E-03	8.08E-01	4.37E-03	2.26E-01	3.52E-04	2.47E-02	8.59E-03	1.41E+00	
361.6	4248.7	1.82E-03	1.11E-02	1.24E-03	2.31E-01	2.27E-02	1.05E+00	5.69E-03	3.16E-02	4.83E-04	5.16E-02	4.44E-03	1.41E+00	
360.236	4246.896	1.95E-04	1.12E-02	5.35E-04	1.36E-01	2.78E-03	4.07E-01	1.68E-03	7.85E-01	2.77E-04	2.14E-02	4.39E-02	1.41E+00	
359.4	4248.9	3.59E-04	2.17E-02	1.07E-03	1.54E-01	1.60E-02	1.15E+00	2.64E-03	3.15E-02	5.37E-04	3.19E-02	3.01E-03	1.41E+00	
359.6	4249.3	4.39E-04	1.78E-02	1.10E-03	1.45E-01	2.39E-02	1.15E+00	2.58E-03	2.25E-02	4.77E-04	3.73E-02	3.13E-03	1.41E+00	
360.8	4249.9	1.01E-03	1.46E-02	1.32E-03	1.75E-01	3.70E-02	1.10E+00	3.31E-03	2.44E-02	5.22E-04	4.81E-02	3.96E-03	1.40E+00	
361.3	4247.2	1.23E-03	1.30E-02	1.17E-03	3.51E-01	6.06E-03	9.26E-01	8.06E-03	6.65E-02	4.74E-04	2.67E-02	3.81E-03	1.40E+00	
360.6	4250	7.20E-04	1.54E-02	1.29E-03	1.60E-01	3.47E-02	1.11E+00	2.91E-03	2.19E-02	5.15E-04	4.51E-02	3.71E-03	1.40E+00	
361.5	4247.7	7.92E-04	1.23E-02	1.03E-03	2.74E-01	1.09E-02	1.01E+00	7.36E-03	4.14E-02	4.24E-04	3.66E-02	3.84E-03	1.40E+00	
360.9	4249.9	1.24E-03	1.42E-02	1.45E-03	1.71E-01	3.35E-02	1.10E+00	3.31E-03	2.40E-02	5.60E-04	4.56E-02	3.78E-03	1.40E+00	
361.2	4249.5	2.12E-03	1.16E-02	1.55E-03	1.87E-01	4.65E-02	1.06E+00	3.54E-03	2.85E-02	5.74E-04	5.32E-02	4.39E-03	1.39E+00	
360.5	4250	6.41E-04	1.60E-02	1.28E-03	1.54E-01	3.35E-02	1.12E+00	2.80E-03	2.14E-02	5.18E-04	4.30E-02	3.53E-03	1.39E+00	
361.6	4247.9	5.15E-04	1.09E-02	8.91E-04	3.10E-01	1.28E-02	9.59E-01	7.35E-03	3.70E-02	3.72E-04	4.06E-02	4.12E-03	1.38E+00	
359.7	4249.2	5.14E-04	2.00E-02	1.23E-03	1.74E-01	3.16E-02	1.08E+00	3.16E-03	2.65E-02	5.32E-04	4.64E-02	3.87E-03	1.38E+00	
359.495	4247.725	1.73E-04	3.07E-02	1.09E-03	2.28E-01	6.28E-03	1.02E+00	3.82E-03	5.35E-02	6.71E-04	2.84E-02	3.75E-03	1.38E+00	
361.1	4247.1	2.38E-03	1.29E-02	1.35E-03	3.61E-01	4.78E-03	8.55E-01	6.65E-03	9.65E-02	5.29E-04	2.48E-02	4.90E-03	1.37E+00	
359.6	4249.1	4.49E-04	2.04E-02	1.19E-03	1.74E-01	2.54E-02	1.07E+00	3.08E-03	2.61E-02	5.28E-04	4.20E-02	3.60E-03	1.37E+00	
361.5	4249	2.47E-03	1.14E-02	1.39E-03	2.03E-01	3.14E-02	1.02E+00	4.38E-03	2.96E-02	5.31E-04	5.59E-02	4.70E-03	1.37E+00	
361.7	4248.1	5.85E-04	1.21E-02	9.47E-04	2.64E-01	1.41E-02	9.91E-01	6.71E-03	3.31E-02	4.03E-04	3.94E-02	3.82E-03	1.37E+00	
360.4	4249.9	5.89E-04	1.70E-02	1.29E-03	1.49E-01	2.97E-02	1.10E+00	2.82E-03	2.09E-02	5.28E-04	3.73E-02	3.13E-03	1.36E+00	
361	4249.8	1.49E-03	1.30E-02	1.54E-03	1.77E-01	3.58E-02	1.05E+00	3.46E-03	2.54E-02	5.79E-04	4.79E-02	3.96E-03	1.36E+00	
361.3	4249.3	1.86E-03	1.15E-02	1.29E-03	1.89E-01	4.04E-02	1.02E+00	3.65E-03	2.91E-02	4.95E-04	5.48E-02	4.53E-03	1.36E+00	
361.7	4248.2	7.44E-04	1.27E-02	1.02E-03	2.49E-01	1.52E-02	9.95E-01	6.26E-03	3.18E-02	4.33E-04	3.96E-02	3.79E-03	1.36E+00	
361.6	4248.8	1.83E-03	1.05E-02	1.16E-03	2.15E-01	2.42E-02	1.01E+00	5.25E-03	3.01E-02	4.50E-04	4.95E-02	4.24E-03	1.36E+00	
359.425	4247.89	2.00E-04	2.46E-02	1.03E-03	2.22E-01	7.29E-03	1.01E+00	3.42E-03	5.18E-02	5.56E-04	2.82E-02	3.67E-03	1.35E+00	
360.7	4250	8.13E-04	1.45E-02	1.28E-03	1.63E-01	3.33E-02	1.05E+00	3.01E-03	2.22E-02	5.04E-04	4.47E-02	3.70E-03	1.34E+00	
359.362	4248.505	2.93E-04	1.78E-02	8.78E-04	1.72E-01	1.23E-02	1.06E+00	2.52E-03	3.82E-02	4.44E-04	3.08E-02	3.34E-03	1.34E+00	
359.36	4248.7	3.46E-04	1.78E-02	9.41E-04	1.53E-01	1.39E-02	1.08E+00	2.40E-03	3.59E-02	4.57E-04	3.06E-02	3.17E-03	1.33E+00	
360.8	4247	3.47E-04	1.13E-02	8.34E-04	3.07E-01	3.71E-03	7.61E-01	4.23E-03	2.14E-01	3.55E-04	2.35E-02	7.69E-03	1.33E+00	
361.4	4247.2	1.60E-03	1.26E-02	1.21E-03	3.20E-01	6.17E-03	8.90E-01	7.91E-03	5.75E-02	4.83E-04	2.58E-02	3.51E-03	1.33E+00	
361.7	4248.3	1.10E-03	1.22E-02	1.12E-03	2.34E-01	1.60E-02	9.80E-01	5.79E-03	3.11E-02	4.57E-04	3.99E-02	3.76E-03	1.33E+00	
361.1	4249.7	1.65E-03	1.16E-02	1.44E-03	1.77E-01	3.92E-02	1.01E+00	3.46E-03	2.59E-02	5.41E-04	4.71E-02	3.89E-03	1.32E+00	
361.2	4247.1	1.55E-03	1.26E-02	1.20E-03	3.41E-01	5.11E-03	8.44E-01	6.64E-03	8.05E-02	4.80E-04	2.46E-02	4.30E-03	1.32E+00	
360.238	4247.099	2.57E-04	1.40E-02	6.23E-04	1.85E-01	3.49E-03	7.10E-01	2.26E-03	3.61E-01	3.35E-04	3.21E-02	1.03E-02	1.32E+00	
361.7	4248	5.10E-04	1.09E-02	8.77E-04	2.81E-01	1.27E-02	9.29E-01	6.72E-03	3.45E-02	3.69E-04	3.83E-02	3.82E-03	1.32E+00	
360.9	4247	6.78E-04	1.18E-02	1.02E-03	3.18E-01	3.77E-03	7.73E-01	4.83E-03	1.74E-01	4.14E-04	2.32E-02	6.56E-03	1.32E+00	
359.849	4249.506	5.48E-04	1.94E-02	1.22E-03	1.50E-01	3.33E-02	1.04E+00	2.44E-03	2.40E-02	5.23E-04	4.28E-02	3.51E-03	1.32E+00	
359.6	4249.4	4.30E-04	1.65E-02	1.05E-03	1.32E-01	2.25E-02	1.08E+00	2.32E-03	2.08E-02	4.53E-04	3.42E-02	2.86E-03	1.31E+00	
361.5	4247.4	1.25E-03	1.25E-02	1.18E-03	2.95E-01	7.49E-03	8.68E-01	7.40E-03	5.11E-02	4.71E-04	2.75E-02	3.35E-03	1.30E+00	
359.836	4249.56	5.25E-04	1.83E-02	1.16E-03	1.39E-01	3.00E-02	1.04E+00	2.27E-03	2.24E-02	4.98E-04	3.89E-02	3.20E-03	1.30E+00	
361.4	4249.2	2.10E-03	1.20E-02	1.38E-03	1.85E-01	3.41E-02	9.69E-01	3.73E-03	2.83E-02	5.25E-04	5.25E-02	4.35E-03	1.29E+00	
361.7	4248.4	1.33E-03	1.19E-02	1.16E-03	2.26E-01	1.66E-02	9.55E-01	5.45E-03	3.07E-02	4.68E-04	4.07E-02	3.81E-03	1.29E+00	
361.6	4247.8	5.75E-04	1.08E-02	8.84E-04	2.77E-01	1.15E-02	9.07E-01	6.61E-03	3.65E-02	3.67E-04	3.74E-02	3.84E-03	1.29E+00	
361.3	4249.4	1.94E-03	1.09E-02	1.32E-03	1.78E-01	3.80E-02	9.77E-01	3.42E-03	2.76E-02	4.98E-04	5.01E-02	4.18E-03	1.29E+00	
361.5	4247.3	1.90E-03	1.25E-02	1.29E-03	3.03E-01	6.79E-03	8.76E-01	7.68E-03	5.12E-02	5.05E-04	2.62E-02	3.28E-03	1.29E+00	
360.3	4249.9	5.31E-04	1.61E-02	1.21E-03	1.40E-01	2.99E-02	1.04E+00	2.65E-03	2.03E-02	4.93E-04	3.47E-02	2.91E-03	1.29E+00	
361	4247	1.52E-03	1.19E-02	1.23E-03	3.22E-01	3.92E-03	7.77E-01	5.37E-03	1.39E-01	4.81E-04	2.25E-02	5.63E-03	1.29E+00	
361.6	4248.9	2.09E-03	9.98E-03	1.19E-03	1.99E-01	2.52E-02	9.64E-01	4.75E-03	2.87E-02	4.53E-04	4.79E-02	4.11E-03	1.29E+00	
361.2	4249.6	1.87E-03	1.11E-02	1.37E-03	1.74E-01	4.09E-02	9.75E-01	3.36E-03	2.62E-02	5.14E-04	4.65E-02	3.88E-03	1.28E+00	
360.9	4250	1.10E-03	1.35E-02	1.32E-03	1.58E-01	2.84E-02	1.01E+00	3.06E-03	2.20E-02	5.11E-04	4.00E-02	3.36E-03	1.28E+00	
361.3	4247.1	1.21E-03	1.23E-02	1.12E-03	3.19E-01	5.36E-03	8.36E-01	6.66E-03	7.14E-02	4.54E-04	2.43E-02	3.89E-03	1.28E+00	
361.5	4247.5	8.53E-04	1.20E-02	1.04E-03	2.73E-01	8.37E-03	8.98E-01	7.10E-03	4.84E-02	4.22E-04	2.90E-02	3.39E-03	1.28E+00	
360.413	4246.998	1.51E-04	7.07E-03	4.86E-04	1.47E-01	2.70E-03	4.92E-01	2.06E-03	5.99E-01	2.12E-04	2.02E-02	5.27E-03	1.28E+00	
359.827	4249.617	5.06E-04	1.73E-02	1.11E-03	1.29E-01	2.71E-02	1.04E+00	2.11E-03	2.09E-02	4.75E-04	3.56E-02	2.94E-03	1.28E+00	
360.237	4246.998	2.23E-04	1.31E-02	6.05E-04	1.52E-01	3.10E-03	5.18E-01	1.93E-03	5.43E-01	3.19E-04	2.66E-02	1.48E-02	1.27E+00	
361.5	4247.6	7.81E-04	1.16E-02	9.90E-04	2.60E-01	9.53E-03	9.02E-01	7.13E-03	4.45E-02	4.04E-04	3.19E-02	3.51E-03	1.27E+00	
360.2	4249.9	5.05E-04	1.53E-02	1.16E-03	1.40E-01	3.03E-02	1.02E+00	2.47E-03	2.07E-02	4.67E-04	3.80E-02	3.12E-03	1.27E+00	
361.5	4249.1	2.38E-03	1.16E-02	1.42E-03	1.86E-01	2.95E-02	9.50E-01	3.92E-03	2.77E-02	5.37E-04	5.16E-02	4.31E-03	1.27E+00	
360.8	4250	9.18E-04	1.38E-02	1.24E-03	1.60E-01	3.10E-02	9.86E-01	3.06E-03	2.21E-02	4.90E-04	4.20E-02	3.50E-03	1.26E+00	
361	4249.9	1.36E-03	1.27E-02	1.44E-03	1.64E-01	3.01E-02	9.81E-01	3.23E-03	2.33E-02	5.44E-04	4.24E-02	3.55E-03	1.26E+00	
361.7	4248.5	1.42E-03	1.17E-02	1.23E-03	2.23E-01	1.74E-02	9.23E-01	5.22E-03	3.03E-02	4.86E-04	4.20E-02	3.87E-03	1.26E+00	
359.4	4247.8	2.30E-04	2.43E-02	1.04E-03	2.06E-01	6.54E-03	9.41E-01	3.21E-03	4.41E-02	5.56E-04	2.61E-02	3.36E-03	1.26E+00	
361.1	4247	1.66E-03	1.19E-02	1.18E-03	3.19E-01	4.18E-03	7.71E-01	5.63E-03	1.10E-01	4.67E-04	2.22E-02	4.85E-03	1.25E+00	
360.464	4246.838	1.44E-04	5.98E-03	4.44E-04	1.25E-01	2.51E-03	3.56E-01	1.86E-03	7.41E-01	1.88E-04	1.40E-02	3.65E-03	1.25E+00	
359.7	4249.5	4.61E-04	1.60E-02	1.04E-03	1.30E-01	2.51E-02	1.02E+00	2.22E-03	2.08E-02	4.45E-04	3.51E-02	2.91E-03	1.25E+00	
361.7	4248.7	1.50E-03	1.02E-02	1.16E-03	2.11E-01	1.85E-02	9.26E-01	5.00E-03	2.84E-02	4.46E-04	4.33E-02	3.82E-03	1.25E+00	
361.7	4248.6	1.47E-03	1.10E-02	1.24E-03	2.19E-01	1.80E-02	9.16E-01	5.10E-03	2.96E-02	4.81E-04	4.29E-02	3.87E-03	1.25E+00	
361.7	4247.9	5.02E-04	1.02E-02	8.35E-04	2.78E-01	1.16E-02	8.64E-01	6.47E-03	3.45E-02	3.49E-04	3.61E-02	3.67E-03	1.25E+00	
359.8	4249.5	5.21E-04	1.81E-02	1.15E-03	1.43E-01	3.05E-02	9.83E-01	2.38E-03	2.30E-02	4.92E-04	4.02E-02	3.31E-03	1.25E+00	
361.5	4247.2	2.08E-03	1.21E-02	1.29E-03	2.93E-01	6.17E-03	8.42E-01	7.44E-03	5.14E-02	5.01E-04	2.47E-02	3.23E-03	1.24E+00	

TABLE 3.7-6
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
360.188	4249.929	4.95E-04	1.48E-02	1.13E-03	1.33E-01	2.82E-02	1.00E+00	2.37E-03	1.99E-02	4.54E-04	3.59E-02	2.96E-03	1.24E+00	
360.481	4247.029	1.49E-04	7.60E-03	5.47E-04	1.95E-01	2.93E-03	6.21E-01	2.52E-03	3.80E-01	2.35E-04	1.97E-02	6.52E-03	1.24E+00	
360.76	4246.934	2.85E-04	1.02E-02	7.47E-04	2.70E-01	3.45E-03	6.99E-01	3.67E-03	2.19E-01	3.19E-04	2.13E-02	7.17E-03	1.24E+00	
361.4	4247.1	1.23E-03	1.19E-02	1.11E-03	2.98E-01	5.51E-03	8.19E-01	6.79E-03	6.27E-02	4.46E-04	2.38E-02	3.55E-03	1.23E+00	
360.4	4250	5.57E-04	1.57E-02	1.20E-03	1.35E-01	2.50E-02	9.98E-01	2.58E-03	1.89E-02	4.88E-04	3.29E-02	2.78E-03	1.23E+00	
360.6	4250.1	6.69E-04	1.43E-02	1.18E-03	1.43E-01	2.91E-02	9.81E-01	2.65E-03	1.96E-02	4.75E-04	3.72E-02	3.10E-03	1.23E+00	
359.462	4247.632	1.81E-04	2.60E-02	9.54E-04	2.15E-01	5.30E-03	9.05E-01	3.83E-03	4.33E-02	5.78E-04	2.49E-02	3.53E-03	1.23E+00	
361.3	4249.5	2.12E-03	1.06E-02	1.44E-03	1.68E-01	3.68E-02	9.30E-01	3.25E-03	2.63E-02	5.29E-04	4.57E-02	3.86E-03	1.23E+00	
361.1	4249.8	1.47E-03	1.13E-02	1.33E-03	1.65E-01	3.26E-02	9.43E-01	3.27E-03	2.40E-02	5.02E-04	4.22E-02	3.53E-03	1.23E+00	
359.6	4249.2	4.39E-04	1.79E-02	1.10E-03	1.58E-01	2.48E-02	9.55E-01	2.84E-03	2.41E-02	4.77E-04	3.93E-02	3.34E-03	1.23E+00	
359.304	4248.825	3.62E-04	1.80E-02	9.82E-04	1.41E-01	1.30E-02	9.87E-01	2.33E-03	3.34E-02	4.67E-04	2.77E-02	2.85E-03	1.23E+00	
361.7	4247.8	6.17E-04	1.06E-02	8.71E-04	2.50E-01	1.06E-02	8.74E-01	5.80E-03	3.43E-02	3.62E-04	3.41E-02	3.47E-03	1.23E+00	
361.8	4248.1	6.29E-04	1.14E-02	9.11E-04	2.37E-01	1.26E-02	8.88E-01	5.97E-03	3.12E-02	3.86E-04	3.41E-02	3.34E-03	1.22E+00	
361.8	4248	5.14E-04	1.05E-02	8.45E-04	2.53E-01	1.16E-02	8.68E-01	5.91E-03	3.22E-02	3.56E-04	3.37E-02	3.37E-03	1.22E+00	
360.7	4250.1	7.53E-04	1.37E-02	1.20E-03	1.49E-01	2.63E-02	9.60E-01	2.79E-03	2.02E-02	4.73E-04	3.96E-02	3.31E-03	1.22E+00	
361.7	4248.8	1.41E-03	9.58E-03	1.03E-03	1.98E-01	1.98E-02	9.10E-01	4.81E-03	2.74E-02	4.01E-04	4.19E-02	3.67E-03	1.22E+00	
360.5	4250.1	6.01E-04	1.48E-02	1.17E-03	1.36E-01	2.79E-02	9.78E-01	2.53E-03	1.90E-02	4.75E-04	3.48E-02	2.90E-03	1.22E+00	
361.6	4249	2.20E-03	9.84E-03	1.24E-03	1.84E-01	2.55E-02	9.10E-01	4.26E-03	2.74E-02	4.67E-04	4.65E-02	3.99E-03	1.22E+00	
361.2	4247	1.28E-03	1.18E-02	1.10E-03	3.07E-01	4.49E-03	7.65E-01	5.71E-03	8.99E-02	4.42E-04	2.21E-02	4.34E-03	1.21E+00	
359.377	4247.814	2.22E-04	2.31E-02	1.00E-03	2.01E-01	6.49E-03	9.07E-01	3.12E-03	4.17E-02	5.29E-04	2.55E-02	3.27E-03	1.21E+00	
359.301	4248.574	2.91E-04	1.66E-02	8.17E-04	1.52E-01	1.15E-02	9.60E-01	2.26E-03	3.58E-02	4.13E-04	2.79E-02	3.00E-03	1.21E+00	
359.4	4247.7	2.00E-04	2.66E-02	1.02E-03	1.94E-01	5.77E-03	9.10E-01	3.38E-03	4.10E-02	5.95E-04	2.39E-02	3.26E-03	1.21E+00	
359.3	4248.7	3.33E-04	1.63E-02	8.71E-04	1.42E-01	1.23E-02	9.70E-01	2.22E-03	3.40E-02	4.20E-04	2.78E-02	2.93E-03	1.21E+00	
359.3	4248.6	2.95E-04	1.66E-02	8.17E-04	1.48E-01	1.17E-02	9.61E-01	2.23E-03	3.53E-02	4.11E-04	2.79E-02	2.97E-03	1.21E+00	
361.8	4248.2	9.17E-04	1.16E-02	1.01E-03	2.26E-01	1.31E-02	8.81E-01	5.69E-03	2.99E-02	4.20E-04	3.38E-02	3.29E-03	1.21E+00	
359.3	4248.9	3.47E-04	1.94E-02	9.76E-04	1.37E-01	1.31E-02	9.70E-01	2.34E-03	3.18E-02	4.85E-04	2.70E-02	2.71E-03	1.20E+00	
359.818	4249.667	4.89E-04	1.64E-02	1.07E-03	1.21E-01	2.48E-02	9.78E-01	1.99E-03	1.96E-02	4.54E-04	3.30E-02	2.72E-03	1.20E+00	
359.8	4249.6	4.94E-04	1.67E-02	1.08E-03	1.28E-01	2.65E-02	9.64E-01	2.11E-03	2.07E-02	4.60E-04	3.50E-02	2.90E-03	1.20E+00	
361.4	4249.3	1.75E-03	1.11E-02	1.22E-03	1.70E-01	3.19E-02	8.97E-01	3.41E-03	2.66E-02	4.70E-04	4.64E-02	3.89E-03	1.19E+00	
359.5	4249	3.85E-04	1.91E-02	1.06E-03	1.64E-01	2.00E-02	9.18E-01	2.85E-03	2.67E-02	4.87E-04	3.59E-02	3.20E-03	1.19E+00	
361.2	4249.7	1.67E-03	1.06E-02	1.27E-03	1.62E-01	3.46E-02	9.07E-01	3.19E-03	2.43E-02	4.79E-04	4.11E-02	3.46E-03	1.19E+00	
361.6	4247.7	6.53E-04	1.06E-02	8.86E-04	2.40E-01	1.03E-02	8.46E-01	6.20E-03	3.72E-02	3.63E-04	3.35E-02	3.48E-03	1.19E+00	
360.2	4250	4.81E-04	1.40E-02	1.09E-03	1.25E-01	2.53E-02	9.66E-01	2.26E-03	1.86E-02	4.34E-04	3.30E-02	2.74E-03	1.19E+00	
360.9	4246.9	6.29E-04	1.08E-02	9.62E-04	2.72E-01	3.39E-03	6.92E-01	3.96E-03	1.74E-01	3.89E-04	2.08E-02	6.18E-03	1.18E+00	
361.3	4247	1.68E-03	1.16E-02	1.19E-03	2.92E-01	4.76E-03	7.61E-01	5.77E-03	7.76E-02	4.66E-04	2.21E-02	3.99E-03	1.18E+00	
360.8	4246.9	3.19E-04	1.02E-02	7.67E-04	2.60E-01	3.34E-03	6.66E-01	3.55E-03	2.08E-01	3.24E-04	2.06E-02	6.58E-03	1.18E+00	
361.5	4247.1	1.69E-03	1.15E-02	1.19E-03	2.76E-01	5.60E-03	7.94E-01	6.72E-03	5.63E-02	4.66E-04	2.30E-02	3.25E-03	1.18E+00	
359.302	4248.014	1.75E-04	1.87E-02	8.50E-04	1.85E-01	6.77E-03	8.96E-01	3.28E-03	4.16E-02	4.39E-04	2.44E-02	2.96E-03	1.18E+00	
361	4250	1.19E-03	1.23E-02	1.25E-03	1.52E-01	2.58E-02	9.17E-01	3.01E-03	2.15E-02	4.82E-04	3.78E-02	3.21E-03	1.18E+00	
359.5	4249.1	3.92E-04	1.78E-02	1.04E-03	1.54E-01	2.01E-02	9.17E-01	2.68E-03	2.42E-02	4.63E-04	3.47E-02	3.05E-03	1.18E+00	
361.8	4248.3	1.23E-03	1.11E-02	1.10E-03	2.10E-01	1.35E-02	8.65E-01	5.23E-03	2.87E-02	4.40E-04	3.39E-02	3.25E-03	1.17E+00	
361.6	4247.3	1.49E-03	1.17E-02	1.19E-03	2.69E-01	6.56E-03	7.97E-01	6.68E-03	4.54E-02	4.64E-04	2.43E-02	2.98E-03	1.17E+00	
361.5	4249.2	2.03E-03	1.14E-02	1.31E-03	1.70E-01	2.75E-02	8.75E-01	3.51E-03	2.61E-02	5.01E-04	4.61E-02	3.86E-03	1.17E+00	
361	4246.9	1.30E-03	1.09E-02	1.17E-03	2.78E-01	3.50E-03	6.96E-01	4.47E-03	1.44E-01	4.54E-04	2.03E-02	5.42E-03	1.17E+00	
359.875	4249.736	4.95E-04	1.61E-02	1.06E-03	1.18E-01	2.45E-02	9.47E-01	1.95E-03	1.92E-02	4.50E-04	3.20E-02	2.64E-03	1.16E+00	
361.7	4248.9	1.59E-03	9.12E-03	1.02E-03	1.84E-01	2.05E-02	8.70E-01	4.52E-03	2.64E-02	3.95E-04	4.04E-02	3.53E-03	1.16E+00	
359.6	4249.5	4.06E-04	1.45E-02	9.56E-04	1.18E-01	2.07E-02	9.52E-01	2.07E-03	1.90E-02	4.07E-04	3.06E-02	2.56E-03	1.16E+00	
361.514	4247.077	1.54E-03	1.13E-02	1.15E-03	2.69E-01	5.48E-03	7.78E-01	6.47E-03	5.70E-02	4.51E-04	2.25E-02	3.23E-03	1.16E+00	33
361.8	4247.9	5.21E-04	9.81E-03	8.07E-04	2.51E-01	1.04E-02	8.10E-01	5.82E-03	3.20E-02	3.37E-04	3.26E-02	3.30E-03	1.16E+00	
361.6	4247.2	1.59E-03	1.16E-02	1.16E-03	2.67E-01	6.05E-03	7.87E-01	6.76E-03	4.67E-02	4.57E-04	2.32E-02	2.96E-03	1.15E+00	
361.6	4247.4	1.09E-03	1.15E-02	1.10E-03	2.53E-01	7.21E-03	7.99E-01	6.27E-03	4.59E-02	4.36E-04	2.54E-02	3.03E-03	1.15E+00	
361.3	4249.6	1.96E-03	1.02E-02	1.34E-03	1.58E-01	3.45E-02	8.74E-01	3.09E-03	2.47E-02	4.95E-04	4.12E-02	3.51E-03	1.15E+00	
360.18	4250.032	4.74E-04	1.35E-02	1.06E-03	1.19E-01	2.32E-02	9.42E-01	2.15E-03	1.77E-02	4.22E-04	3.10E-02	2.57E-03	1.15E+00	
361.6	4247.5	8.17E-04	1.10E-02	9.74E-04	2.32E-01	8.09E-03	8.15E-01	6.05E-03	4.45E-02	3.92E-04	2.70E-02	3.08E-03	1.15E+00	
361.4	4247	1.42E-03	1.13E-02	1.13E-03	2.76E-01	4.94E-03	7.54E-01	5.80E-03	6.79E-02	4.46E-04	2.19E-02	3.63E-03	1.15E+00	
360.9	4250.1	9.60E-04	1.27E-02	1.18E-03	1.46E-01	2.42E-02	9.02E-01	2.85E-03	2.01E-02	4.62E-04	3.54E-02	3.01E-03	1.15E+00	
360.6	4250.2	6.32E-04	1.35E-02	1.12E-03	1.32E-01	2.47E-02	9.17E-01	2.46E-03	1.80E-02	4.49E-04	3.41E-02	2.86E-03	1.15E+00	
361.1	4249.9	1.34E-03	1.10E-02	1.23E-03	1.54E-01	2.76E-02	8.80E-01	3.09E-03	2.24E-02	4.70E-04	3.81E-02	3.22E-03	1.14E+00	
360.3	4250	5.00E-04	1.46E-02	1.11E-03	1.25E-01	2.31E-02	9.24E-01	2.40E-03	1.80E-02	4.51E-04	2.96E-02	2.53E-03	1.14E+00	
361.1	4246.9	1.44E-03	1.10E-02	1.11E-03	2.78E-01	3.70E-03	6.95E-01	4.83E-03	1.20E-01	4.37E-04	1.99E-02	4.66E-03	1.14E+00	
361.8	4248.4	1.38E-03	1.08E-02	1.12E-03	2.00E-01	1.39E-02	8.41E-01	4.90E-03	2.79E-02	4.43E-04	3.47E-02	3.29E-03	1.14E+00	
360.8	4250.1	8.31E-04	1.30E-02	1.16E-03	1.48E-01	2.64E-02	8.87E-01	2.85E-03	2.02E-02	4.59E-04	3.72E-02	3.13E-03	1.14E+00	
361.6	4249.1	1.96E-03	1.01E-02	1.20E-03	1.70E-01	2.44E-02	8.53E-01	3.77E-03	2.57E-02	4.55E-04	4.39E-02	3.75E-03	1.14E+00	
359.261	4248.605	2.90E-04	1.56E-02	7.75E-04	1.43E-01	1.09E-02	9.01E-01	2.14E-03	3.44E-02	3.90E-04	2.63E-02	2.82E-03	1.14E+00	
360.4	4250.1	5.34E-04	1.45E-02	1.12E-03	1.25E-01	2.28E-02	9.10E-01	2.38E-03	1.76E-02	4.55E-04	3.01E-02	2.56E-03	1.13E+00	
360.7	4250.2	7.01E-04	1.29E-02	1.13E-03	1.37E-01	2.41E-02	8.90E-01	2.58E-03	1.84E-02	4.47E-04	3.52E-02	2.97E-03	1.13E+00	
361.6	4247.6	7.00E-04	1.04E-02	8.94E-04	2.23E-01	9.13E-03	8.00E-01	6.01E-03	4.09E-02	3.62E-04	2.96E-02	3.19E-03	1.12E+00	
360.5	4250.2	5.72E-04	1.39E-02	1.11E-03	1.25E-01	2.37E-02	9.05E-01	2.35E-03	1.74E-02	4.48E-04	3.16E-02	2.66E-03	1.12E+00	
361.4	4249.4	1.76E-03	1.03E-02	1.21E-03	1.58E-01	2.98E-02	8.49E-01	3.18E-03	2.52E-02	4.57E-04	4.19E-02	3.54E-03	1.12E+00	
359.8	4249.7	4.70E-04	1.54E-02	1.01E-03	1.14E-01	2.29E-02	9.15E-01	1.89E-03	1.86E-02	4.30E-04	3.07E-02	2.55E-03	1.12E+00	
361.8	4247.8	6.27E-04	9.86E-03	8.23E-04	2.26E-01	9.63E-03	8.01E-01	5.22E-03	3.18E-02	3.41E-04	3.06E-02	3.13E-03	1.12E+00	
361.2	4246.9	1.38E-03	1.10E-02	1.09E-03	2.76E-01	3.98E-03	6.94E-01	5.03E-03	9.82E-02	4.31E-04	2.00E-02	4.18E-03	1.12E+00	
361.6	4247.1	1.54E-03	1.11E-02	1.12E-03	2.55E-01	5.58E-03	7.57E-01	6.34E-03	5.12E-02	4.40E-04	2.20E-02	2.97E-03	1.11E+00	
361.5	4247	1.57E-03	1.10E-02	1.15E-03	2.59E-01	5.06E-03	7.41E-01	5.78E-03	6.09E-02	4.48E-04	2.14E-02	3.34E-03	1.11E+00	
361.9	4248	5.15E-04	9.96E-03	8.12E-04	2.28E-01	1.05E-02	7.90E-01	5.17E-03	2.96E-02	3.40E-04	2.98E-02	2.99E-03	1.11E+00	
359.329	4247.739	2.12E-04	2.18E-02	9.31E-04	1.75E-01	5.78E-03	8.38E-01	2.98E-03	3.60E-02	5.01E-04	2.17E-02	2.86E-03	1.11E+00	
361.8	4248.5	1.27E-03	1.07E-02	1.11E-03	1.96E-01	1.45E-02	8.11E-01	4.63E-03	2.73E-02	4.40E-04	3.55E-02	3.33E-03	1.11E+00	

TABLE 3.7-6
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.4	4247.6	2.03E-04	2.35E-02	9.11E-04	1.92E-01	4.93E-03	8.17E-01	3.51E-03	3.60E-02	5.33E-04	2.19E-02	2.96E-03	1.11E+00	
361.2	4249.8	1.56E-03	1.02E-02	1.26E-03	1.52E-01	2.93E-02	8.45E-01	3.05E-03	2.27E-02	4.70E-04	3.69E-02	3.14E-03	1.11E+00	
361.8	4248.7	1.23E-03	9.46E-03	1.08E-03	1.91E-01	1.53E-02	8.16E-01	4.39E-03	2.56E-02	4.16E-04	3.68E-02	3.32E-03	1.10E+00	
360.548	4246.735	1.89E-04	5.98E-03	4.82E-04	1.57E-01	2.74E-03	3.92E-01	2.36E-03	5.25E-01	1.98E-04	1.43E-02	3.43E-03	1.10E+00	
360.235	4246.794	1.83E-04	9.67E-03	4.80E-04	1.09E-01	2.52E-03	3.38E-01	1.49E-03	5.98E-01	2.44E-04	1.42E-02	2.89E-02	1.10E+00	
361	4250.1	1.10E-03	1.20E-02	1.19E-03	1.42E-01	2.20E-02	8.64E-01	2.81E-03	1.99E-02	4.59E-04	3.39E-02	2.91E-03	1.10E+00	
359.26	4248.068	1.84E-04	1.80E-02	8.32E-04	1.80E-01	6.79E-03	8.26E-01	2.94E-03	3.82E-02	4.29E-04	2.41E-02	2.83E-03	1.10E+00	
361.9	4248.1	6.63E-04	1.07E-02	8.78E-04	2.13E-01	1.11E-02	7.95E-01	5.23E-03	2.93E-02	3.68E-04	2.98E-02	2.95E-03	1.10E+00	
359.5	4249.4	3.73E-04	1.40E-02	9.06E-04	1.18E-01	1.83E-02	8.94E-01	2.12E-03	1.91E-02	3.86E-04	2.89E-02	2.47E-03	1.10E+00	
361.7	4247.7	6.32E-04	1.01E-02	8.39E-04	2.16E-01	9.72E-03	7.84E-01	5.40E-03	3.52E-02	3.45E-04	3.10E-02	3.20E-03	1.10E+00	
361.8	4248.6	1.08E-03	1.02E-02	1.07E-03	1.95E-01	1.49E-02	8.04E-01	4.46E-03	2.66E-02	4.18E-04	3.64E-02	3.34E-03	1.10E+00	
360.2	4250.1	4.65E-04	1.29E-02	1.03E-03	1.13E-01	2.15E-02	8.96E-01	2.08E-03	1.68E-02	4.08E-04	2.91E-02	2.44E-03	1.10E+00	
360.9	4250.2	9.22E-04	1.25E-02	1.19E-03	1.36E-01	2.08E-02	8.69E-01	2.67E-03	1.86E-02	4.61E-04	3.17E-02	2.72E-03	1.10E+00	
359.806	4249.729	4.68E-04	1.51E-02	1.00E-03	1.11E-01	2.22E-02	8.93E-01	1.85E-03	1.82E-02	4.23E-04	2.98E-02	2.47E-03	1.10E+00	
361.7	4249	1.61E-03	8.75E-03	1.02E-03	1.72E-01	2.09E-02	8.18E-01	4.11E-03	2.54E-02	3.89E-04	3.94E-02	3.45E-03	1.09E+00	
359.258	4248.295	2.16E-04	1.42E-02	7.05E-04	1.78E-01	8.70E-03	8.27E-01	2.62E-03	3.32E-02	3.55E-04	2.49E-02	2.75E-03	1.09E+00	
361.8	4248.8	1.21E-03	8.84E-03	9.88E-04	1.82E-01	1.64E-02	8.13E-01	4.32E-03	2.47E-02	3.80E-04	3.61E-02	3.21E-03	1.09E+00	
361.3	4246.9	1.90E-03	1.09E-02	1.20E-03	2.69E-01	4.25E-03	6.91E-01	5.09E-03	8.15E-02	4.65E-04	2.01E-02	3.82E-03	1.09E+00	
360.473	4246.934	1.43E-04	6.67E-03	4.88E-04	1.53E-01	2.64E-03	4.48E-01	2.16E-03	4.52E-01	2.08E-04	1.69E-02	4.47E-03	1.09E+00	
361.4	4249.5	1.92E-03	9.76E-03	1.28E-03	1.49E-01	2.84E-02	8.18E-01	3.00E-03	2.42E-02	4.71E-04	3.87E-02	3.32E-03	1.08E+00	
361.9	4248.2	9.05E-04	1.07E-02	9.32E-04	2.04E-01	1.14E-02	7.82E-01	5.12E-03	2.82E-02	3.85E-04	2.92E-02	2.89E-03	1.08E+00	
361.3	4249.7	1.83E-03	9.87E-03	1.27E-03	1.49E-01	3.06E-02	8.17E-01	2.95E-03	2.30E-02	4.71E-04	3.67E-02	3.16E-03	1.08E+00	
361.1	4250	1.24E-03	1.08E-02	1.17E-03	1.44E-01	2.37E-02	8.32E-01	2.90E-03	2.09E-02	4.48E-04	3.47E-02	2.96E-03	1.07E+00	
360.404	4246.9	1.45E-04	6.36E-03	4.38E-04	1.17E-01	2.45E-03	3.67E-01	1.76E-03	5.58E-01	1.91E-04	1.73E-02	4.45E-03	1.07E+00	
359.7	4249.6	4.34E-04	1.44E-02	9.52E-04	1.15E-01	2.22E-02	8.62E-01	1.97E-03	1.88E-02	4.05E-04	3.06E-02	2.56E-03	1.07E+00	
361.5	4249.3	1.80E-03	1.08E-02	1.23E-03	1.55E-01	2.56E-02	8.03E-01	3.20E-03	2.46E-02	4.69E-04	4.09E-02	3.46E-03	1.07E+00	
360.754	4246.831	2.59E-04	8.91E-03	6.64E-04	2.28E-01	3.11E-03	5.95E-01	3.15E-03	2.05E-01	2.81E-04	1.83E-02	5.84E-03	1.07E+00	
359.4	4249	3.51E-04	1.71E-02	9.45E-04	1.45E-01	1.61E-02	8.24E-01	2.52E-03	2.71E-02	4.41E-04	3.01E-02	2.80E-03	1.07E+00	
359.86	4249.794	4.76E-04	1.49E-02	9.97E-04	1.10E-01	2.20E-02	8.67E-01	1.82E-03	1.78E-02	4.20E-04	2.90E-02	2.41E-03	1.07E+00	
361.9	4247.9	5.21E-04	9.38E-03	7.73E-04	2.25E-01	9.57E-03	7.51E-01	5.18E-03	2.92E-02	3.23E-04	2.90E-02	2.95E-03	1.06E+00	
361.4	4246.9	1.66E-03	1.08E-02	1.14E-03	2.56E-01	4.45E-03	6.89E-01	5.05E-03	6.97E-02	4.44E-04	2.01E-02	3.53E-03	1.06E+00	
360.8	4250.2	7.69E-04	1.24E-02	1.11E-03	1.37E-01	2.26E-02	8.29E-01	2.66E-03	1.85E-02	4.37E-04	3.34E-02	2.84E-03	1.06E+00	
361.6	4249.2	2.07E-03	1.03E-02	1.28E-03	1.56E-01	2.26E-02	7.96E-01	3.38E-03	2.43E-02	4.80E-04	4.05E-02	3.46E-03	1.06E+00	
359.4	4249.3	3.49E-04	1.40E-02	8.69E-04	1.17E-01	1.55E-02	8.62E-01	2.06E-03	1.94E-02	3.79E-04	2.67E-02	2.34E-03	1.06E+00	
361.6	4247	1.72E-03	1.06E-02	1.16E-03	2.40E-01	5.13E-03	7.15E-01	5.71E-03	5.54E-02	4.46E-04	2.08E-02	3.05E-03	1.06E+00	
359.21	4248.621	2.90E-04	1.46E-02	7.36E-04	1.35E-01	1.01E-02	8.33E-01	2.04E-03	3.33E-02	3.66E-04	2.44E-02	2.63E-03	1.06E+00	
361.7	4247.2	1.16E-03	1.10E-02	1.04E-03	2.41E-01	5.85E-03	7.23E-01	5.93E-03	4.26E-02	4.11E-04	2.16E-02	2.70E-03	1.06E+00	
360.6	4250.3	5.95E-04	1.28E-02	1.06E-03	1.22E-01	2.13E-02	8.46E-01	2.28E-03	1.66E-02	4.24E-04	3.04E-02	2.58E-03	1.06E+00	
359.429	4247.54	2.15E-04	2.07E-02	8.15E-04	2.02E-01	4.50E-03	7.63E-01	3.53E-03	3.62E-02	4.77E-04	2.16E-02	2.72E-03	1.06E+00	
361.8	4248.9	1.18E-03	8.44E-03	9.07E-04	1.72E-01	1.70E-02	7.89E-01	4.16E-03	2.39E-02	3.52E-04	3.47E-02	3.07E-03	1.05E+00	
360.5	4250.3	5.46E-04	1.31E-02	1.06E-03	1.17E-01	2.04E-02	8.49E-01	2.19E-03	1.61E-02	4.25E-04	2.95E-02	2.50E-03	1.05E+00	
361.7	4247.3	9.51E-04	1.08E-02	9.97E-04	2.36E-01	6.34E-03	7.25E-01	5.64E-03	4.12E-02	3.98E-04	2.26E-02	2.72E-03	1.05E+00	
361.9	4248.3	9.43E-04	1.01E-02	9.30E-04	1.92E-01	1.16E-02	7.70E-01	4.73E-03	2.70E-02	3.78E-04	2.93E-02	2.84E-03	1.05E+00	
360.7	4250.3	6.61E-04	1.23E-02	1.07E-03	1.27E-01	2.09E-02	8.30E-01	2.40E-03	1.70E-02	4.23E-04	3.16E-02	2.69E-03	1.05E+00	
360.4	4250.2	5.14E-04	1.35E-02	1.05E-03	1.16E-01	2.09E-02	8.43E-01	2.21E-03	1.64E-02	4.27E-04	2.79E-02	2.37E-03	1.04E+00	
361.7	4247.5	7.11E-04	1.01E-02	8.82E-04	2.02E-01	7.84E-03	7.47E-01	5.28E-03	4.15E-02	3.56E-04	2.55E-02	2.86E-03	1.04E+00	
361.7	4247.4	8.83E-04	1.05E-02	9.77E-04	2.18E-01	7.00E-03	7.31E-01	5.38E-03	4.17E-02	3.88E-04	2.39E-02	2.78E-03	1.04E+00	
361.7	4247.1	1.52E-03	1.08E-02	1.10E-03	2.35E-01	5.45E-03	7.10E-01	5.89E-03	4.61E-02	4.28E-04	2.07E-02	2.72E-03	1.04E+00	
361.5	4246.9	1.63E-03	1.05E-02	1.13E-03	2.42E-01	4.60E-03	6.85E-01	5.02E-03	6.15E-02	4.38E-04	1.99E-02	3.32E-03	1.03E+00	
359.5	4249.2	3.82E-04	1.56E-02	9.60E-04	1.40E-01	1.98E-02	7.97E-01	2.51E-03	2.20E-02	4.17E-04	3.27E-02	2.84E-03	1.03E+00	
360.091	4250.02	4.72E-04	1.33E-02	1.03E-03	1.09E-01	2.10E-02	8.40E-01	1.93E-03	1.68E-02	4.09E-04	2.77E-02	2.32E-03	1.03E+00	
361.1	4246.8	1.21E-03	1.01E-02	1.05E-03	2.46E-01	3.32E-03	6.31E-01	4.20E-03	1.15E-01	4.10E-04	1.82E-02	4.47E-03	1.03E+00	
359.5	4249.5	3.64E-04	1.32E-02	8.79E-04	1.07E-01	1.71E-02	8.46E-01	1.92E-03	1.75E-02	3.71E-04	2.65E-02	2.26E-03	1.03E+00	
361	4246.8	1.06E-03	1.00E-02	1.09E-03	2.42E-01	3.15E-03	6.16E-01	3.83E-03	1.33E-01	4.24E-04	1.84E-02	4.88E-03	1.03E+00	
360.9	4246.8	5.33E-04	9.82E-03	8.82E-04	2.31E-01	3.06E-03	6.06E-01	3.38E-03	1.55E-01	3.56E-04	1.83E-02	5.30E-03	1.03E+00	
361.2	4249.9	1.41E-03	9.89E-03	1.18E-03	1.43E-01	2.52E-02	7.91E-01	2.91E-03	2.13E-02	4.46E-04	3.36E-02	2.88E-03	1.03E+00	
361.4	4249.6	2.02E-03	9.43E-03	1.33E-03	1.42E-01	2.77E-02	7.83E-01	2.84E-03	2.31E-02	4.84E-04	3.59E-02	3.11E-03	1.03E+00	
360.8	4246.8	3.03E-04	9.06E-03	6.99E-04	2.18E-01	3.02E-03	5.84E-01	3.09E-03	1.89E-01	2.93E-04	1.77E-02	5.53E-03	1.03E+00	
360.3	4250.1	4.78E-04	1.35E-02	1.03E-03	1.14E-01	1.99E-02	8.32E-01	2.21E-03	1.65E-02	4.18E-04	2.66E-02	2.30E-03	1.03E+00	
361.8	4247.7	6.61E-04	9.73E-03	8.14E-04	1.93E-01	9.04E-03	7.46E-01	4.73E-03	3.28E-02	3.36E-04	2.78E-02	2.91E-03	1.03E+00	
361.7	4249.1	1.59E-03	8.75E-03	1.01E-03	1.59E-01	2.03E-02	7.68E-01	3.68E-03	2.41E-02	3.86E-04	3.76E-02	3.29E-03	1.03E+00	
361	4250.2	1.11E-03	1.18E-02	1.26E-03	1.32E-01	1.91E-02	8.06E-01	2.62E-03	1.84E-02	4.75E-04	3.04E-02	2.64E-03	1.03E+00	
361.2	4246.8	1.55E-03	1.02E-02	1.10E-03	2.47E-01	3.55E-03	6.36E-01	4.39E-03	9.55E-02	4.27E-04	1.82E-02	4.07E-03	1.02E+00	
361.9	4248.4	1.07E-03	9.81E-03	9.55E-04	1.81E-01	1.18E-02	7.52E-01	4.44E-03	2.60E-02	3.82E-04	3.00E-02	2.86E-03	1.02E+00	
361.7	4247.6	6.22E-04	9.61E-03	8.20E-04	1.97E-01	8.77E-03	7.27E-01	5.23E-03	3.79E-02	3.33E-04	2.76E-02	2.97E-03	1.02E+00	
359.7	4249.7	4.14E-04	1.34E-02	9.08E-04	1.04E-01	1.95E-02	8.29E-01	1.76E-03	1.70E-02	3.84E-04	2.73E-02	2.28E-03	1.02E+00	
361.1	4250.1	1.25E-03	1.07E-02	1.22E-03	1.35E-01	2.03E-02	7.89E-01	2.72E-03	1.94E-02	4.59E-04	3.16E-02	2.73E-03	1.01E+00	
360.9	4250.3	8.65E-04	1.20E-02	1.16E-03	1.26E-01	1.83E-02	8.04E-01	2.51E-03	1.72E-02	4.45E-04	2.87E-02	2.49E-03	1.01E+00	
359.281	4247.665	2.28E-04	2.11E-02	9.20E-04	1.61E-01	5.15E-03	7.65E-01	2.91E-03	3.17E-02	4.94E-04	1.96E-02	2.62E-03	1.01E+00	
360.5	4246.7	1.75E-04	5.42E-03	4.31E-04	1.23E-01	2.59E-03	3.25E-01	2.00E-03	5.36E-01	1.77E-04	1.22E-02	3.01E-03	1.01E+00	
361.9	4247.8	6.12E-04	9.15E-03	7.70E-04	2.03E-01	8.71E-03	7.22E-01	4.65E-03	2.91E-02	3.19E-04	2.73E-02	2.81E-03	1.01E+00	
359.175	4248.58	2.74E-04	1.36E-02	6.75E-04	1.36E-01	9.33E-03	7.88E-01	2.05E-03	3.26E-02	3.39E-04	2.32E-02	2.52E-03	1.01E+00	
361.7	4247	1.76E-03	1.03E-02	1.13E-03	2.24E-01	5.10E-03	6.84E-01	5.52E-03	5.02E-02	4.36E-04	1.98E-02	2.78E-03	1.01E+00	
360.455	4246.743	1.50E-04	5.41E-03	4.08E-04	1.02E-01	2.26E-03	2.96E-01	1.62E-03	5.83E-01	1.71E-04	1.10E-02	3.17E-03	1.00E+00	
359.2	4248.3	2.18E-04	1.30E-02	6.81E-04	1.65E-01	8.07E-03	7.58E-01	2.43E-03	3.10E-02	3.33E-04	2.27E-02	2.50E-03	1.00E+00	
361.3	4249.8	1.79E-03	9.54E-03	1.31E-03	1.40E-01	2.65E-02	7.62E-01	2.82E-03	2.15E-02	4.78E-04	3.30E-02	2.87E-03	1.00E+00	
361.3	4246.8	1.96E-03	1.03E-02	1.19E-03	2.45E-01	3.81E-03	6.33E-01	4.47E-03	8.05E-02	4.57E-04	1.83E-02	3.67E-03	1.00E+00	

TABLE 3.7-6
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
LOCATIONS WITH HAZARD INDICES GREATER THAN ONE
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
359.5	4249.3	3.77E-04	1.43E-02	9.15E-04	1.29E-01	1.92E-02	7.82E-01	2.32E-03	2.05E-02	3.91E-04	3.07E-02	2.65E-03	1.00E+00	
361.6	4246.9	1.82E-03	1.02E-02	1.16E-03	2.27E-01	4.71E-03	6.72E-01	5.07E-03	5.53E-02	4.45E-04	1.95E-02	3.09E-03	1.00E+00	
362	4248	4.82E-04	9.28E-03	7.52E-04	2.05E-01	9.49E-03	7.13E-01	4.59E-03	2.71E-02	3.15E-04	2.63E-02	2.65E-03	1.00E+00	

TABLE 3.7-7
NON-CANCER HAZARDS FOR THE CHILD RESIDENT RECEPTOR
SPECIAL RECEPTOR LOCATIONS
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											CHILD NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
351.268	4248.783	9.93E-05	1.19E-03	1.42E-04	1.29E-02	4.63E-04	5.47E-02	2.42E-04	2.99E-03	5.18E-05	1.36E-03	1.88E-04	7.43E-02	1
351.442	4248.922	1.16E-04	1.37E-03	1.62E-04	1.41E-02	5.18E-04	6.25E-02	2.60E-04	3.36E-03	5.93E-05	1.56E-03	2.09E-04	8.42E-02	2
352.304	4244.943	2.76E-04	2.66E-03	3.36E-04	2.71E-02	7.73E-04	1.14E-01	5.50E-04	5.34E-03	1.22E-04	2.79E-03	3.46E-04	1.54E-01	3
351.249	4248.867	9.97E-05	1.20E-03	1.39E-04	1.25E-02	4.68E-04	5.53E-02	2.33E-04	2.92E-03	5.11E-05	1.38E-03	1.87E-04	7.46E-02	4
351.861	4255.334	8.79E-05	8.96E-04	1.30E-04	8.09E-03	4.40E-04	4.12E-02	1.52E-04	2.33E-03	4.35E-05	1.13E-03	1.40E-04	5.47E-02	5
352.91	4256.166	1.01E-04	9.21E-04	1.53E-04	9.26E-03	6.09E-04	4.96E-02	1.69E-04	2.45E-03	5.21E-05	1.41E-03	1.62E-04	6.49E-02	6
352.923	4256.511	1.01E-04	8.98E-04	1.53E-04	8.99E-03	5.44E-04	4.63E-02	1.62E-04	2.35E-03	5.23E-05	1.30E-03	1.54E-04	6.10E-02	7
360.07	4251.515	7.21E-04	1.31E-02	1.13E-03	1.12E-01	1.05E-02	6.70E-01	2.14E-03	1.76E-02	4.40E-04	2.02E-02	1.94E-03	8.49E-01	8
358.319	4256.787	1.86E-04	2.30E-03	2.67E-04	1.95E-02	1.13E-03	9.91E-02	4.00E-04	3.71E-03	9.64E-05	2.77E-03	3.03E-04	1.30E-01	9
357.967	4236.782	1.66E-04	1.31E-03	1.57E-04	1.39E-02	3.72E-04	5.44E-02	2.61E-04	3.54E-03	5.77E-05	1.40E-03	1.93E-04	7.58E-02	10
357.757	4257.938	1.28E-04	1.50E-03	2.03E-04	1.34E-02	7.53E-04	6.58E-02	2.62E-04	2.69E-03	7.00E-05	1.87E-03	2.09E-04	8.69E-02	11
358.583	4257.985	1.60E-04	1.83E-03	2.29E-04	1.58E-02	9.23E-04	8.23E-02	3.29E-04	3.02E-03	8.01E-05	2.35E-03	2.53E-04	1.07E-01	12
358.28	4258.699	1.17E-04	1.35E-03	1.67E-04	1.18E-02	6.94E-04	6.16E-02	2.35E-04	2.32E-03	5.91E-05	1.74E-03	1.88E-04	8.02E-02	13
356.538	4257.418	1.36E-04	1.42E-03	1.83E-04	1.21E-02	6.62E-04	6.24E-02	2.55E-04	2.46E-03	6.30E-05	1.69E-03	1.88E-04	8.15E-02	14
355.609	4257.482	1.25E-04	1.13E-03	1.69E-04	1.06E-02	5.83E-04	5.11E-02	2.06E-04	2.25E-03	5.74E-05	1.47E-03	1.66E-04	6.78E-02	15
354.756	4257.833	1.05E-04	9.37E-04	1.42E-04	8.41E-03	4.65E-04	4.20E-02	1.66E-04	1.97E-03	4.77E-05	1.19E-03	1.38E-04	5.56E-02	16
353.592	4257.513	1.12E-04	8.39E-04	1.40E-04	9.14E-03	4.48E-04	4.14E-02	1.76E-04	1.92E-03	4.68E-05	1.17E-03	1.36E-04	5.56E-02	17
356.252	4258.813	8.19E-05	8.21E-04	1.10E-04	7.64E-03	4.49E-04	3.81E-02	1.56E-04	1.58E-03	3.69E-05	1.07E-03	1.20E-04	5.02E-02	18
356.063	4257.493	1.33E-04	1.24E-03	1.76E-04	1.12E-02	6.08E-04	5.48E-02	2.24E-04	2.24E-03	6.01E-05	1.52E-03	1.71E-04	7.24E-02	19
354.883	4257.416	1.20E-04	1.06E-03	1.55E-04	9.49E-03	5.18E-04	4.76E-02	1.86E-04	2.21E-03	5.26E-05	1.34E-03	1.56E-04	6.29E-02	20
355.43	4258.246	1.02E-04	9.02E-04	1.44E-04	8.57E-03	4.67E-04	4.09E-02	1.67E-04	1.85E-03	4.75E-05	1.17E-03	1.33E-04	5.44E-02	21
362.258	4250.367	2.12E-03	1.13E-02	1.59E-03	1.42E-01	1.16E-02	6.74E-01	3.03E-03	2.80E-02	5.66E-04	2.31E-02	2.35E-03	9.00E-01	22
370.147	4251.962	2.54E-04	1.21E-03	2.69E-04	1.56E-02	5.52E-04	5.73E-02	3.18E-04	2.94E-03	7.86E-05	1.69E-03	2.10E-04	8.04E-02	23
367.434	4250.773	4.15E-04	2.23E-03	4.06E-04	2.93E-02	1.10E-03	1.14E-01	6.03E-04	5.84E-03	1.28E-04	3.36E-03	4.06E-04	1.58E-01	24
369.904	4251.966	2.71E-04	1.30E-03	2.84E-04	1.67E-02	5.82E-04	6.14E-02	3.35E-04	3.15E-03	8.31E-05	1.81E-03	2.25E-04	8.62E-02	25
368.069	4251.009	3.94E-04	1.93E-03	3.71E-04	2.57E-02	9.20E-04	9.91E-02	5.21E-04	5.06E-03	1.15E-04	2.85E-03	3.48E-04	1.37E-01	26
369.859	4252.183	2.71E-04	1.33E-03	2.85E-04	1.70E-02	5.82E-04	6.26E-02	3.37E-04	3.18E-03	8.31E-05	1.84E-03	2.28E-04	8.77E-02	27
363.629	4249.585	8.04E-04	8.08E-03	8.70E-04	1.38E-01	5.88E-03	4.66E-01	2.72E-03	2.43E-02	3.25E-04	1.66E-02	1.84E-03	6.66E-01	28
368.355	4251.123	3.71E-04	1.82E-03	3.55E-04	2.45E-02	8.52E-04	9.19E-02	4.85E-04	4.70E-03	1.09E-04	2.66E-03	3.26E-04	1.28E-01	29
369.938	4251.951	2.68E-04	1.29E-03	2.82E-04	1.66E-02	5.79E-04	6.08E-02	3.33E-04	3.13E-03	8.24E-05	1.80E-03	2.23E-04	8.53E-02	30
363.845	4250.503	9.44E-04	4.93E-03	8.48E-04	7.96E-02	3.61E-03	2.86E-01	1.58E-03	1.66E-02	2.77E-04	9.35E-03	1.12E-03	4.04E-01	31
363.022	4250.743	1.40E-03	7.01E-03	1.11E-03	9.77E-02	5.39E-03	3.80E-01	2.12E-03	1.91E-02	3.77E-04	1.29E-02	1.46E-03	5.29E-01	32
361.514	4247.077	4.30E-03	3.17E-02	3.21E-03	7.54E-01	1.53E-02	2.18E+00	1.81E-02	1.60E-01	1.26E-03	6.31E-02	9.03E-03	3.24E+00	33
361.88	4251.105	1.86E-03	1.14E-02	1.64E-03	1.46E-01	9.79E-03	6.40E-01	2.99E-03	2.64E-02	5.77E-04	2.14E-02	2.30E-03	8.64E-01	34
360.725	4249.695	3.02E-03	4.99E-02	4.39E-03	6.16E-01	1.68E-01	4.15E+00	1.10E-02	8.71E-02	1.76E-03	1.94E-01	1.55E-02	5.30E+00	35
362.048	4247.285	1.77E-03	2.10E-02	2.01E-03	3.83E-01	1.47E-02	1.41E+00	8.78E-03	7.98E-02	7.84E-04	4.61E-02	5.25E-03	1.97E+00	36
361.991	4248.954	2.81E-03	2.03E-02	2.40E-03	4.06E-01	3.44E-02	1.80E+00	9.39E-03	5.55E-02	9.07E-04	7.36E-02	6.68E-03	2.41E+00	37
361.004	4242.31	3.65E-04	3.61E-03	4.11E-04	4.12E-02	1.15E-03	1.48E-01	7.51E-04	1.28E-02	1.48E-04	4.21E-03	5.88E-04	2.13E-01	38
361.042	4244.529	6.03E-04	7.04E-03	7.00E-04	9.74E-02	2.65E-03	3.33E-01	1.81E-03	3.00E-02	2.62E-04	9.51E-03	1.36E-03	4.84E-01	39
351.191	4248.367	7.70E-05	9.65E-04	1.27E-04	1.31E-02	4.27E-04	4.55E-02	2.24E-04	3.00E-03	4.47E-05	1.24E-03	1.78E-04	6.48E-02	40

TABLE 3.7-8
NON-CANCER HAZARDS FOR THE ADULT RESIDENT RECEPTOR
SPECIAL RECEPTOR LOCATIONS
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		HAZARD QUOTIENT											ADULT NON-CANCER HI	SPECIAL RECEPTOR NUMBER
(x,y) km		ACRYLIC ACID	ANTIMONY	ARSENIC	BENZENE	CARBON TETRACHLORIDE	CHLORINE	FURFURAL	NAPHTHALENE	NICKEL	1,2,4-TRIMETHYLBENZENE	TOLUENE		
351.268	4248.783	3.55E-05	4.25E-04	5.07E-05	4.60E-03	1.65E-04	1.95E-02	8.65E-05	1.07E-03	1.85E-05	4.87E-04	6.71E-05	2.65E-02	1
351.442	4248.922	4.15E-05	4.89E-04	5.79E-05	5.03E-03	1.85E-04	2.23E-02	9.29E-05	1.20E-03	2.12E-05	5.56E-04	7.47E-05	3.01E-02	2
352.304	4244.943	9.85E-05	9.51E-04	1.20E-04	9.66E-03	2.76E-04	4.08E-02	1.96E-04	1.91E-03	4.35E-05	9.97E-04	1.24E-04	5.51E-02	3
351.249	4248.867	3.56E-05	4.29E-04	4.96E-05	4.48E-03	1.67E-04	1.98E-02	8.32E-05	1.04E-03	1.83E-05	4.94E-04	6.67E-05	2.66E-02	4
351.861	4255.334	3.14E-05	3.20E-04	4.63E-05	2.89E-03	1.57E-04	1.47E-02	5.44E-05	8.34E-04	1.56E-05	4.05E-04	4.99E-05	1.95E-02	5
352.91	4256.166	3.60E-05	3.29E-04	5.48E-05	3.31E-03	2.18E-04	1.77E-02	6.04E-05	8.74E-04	1.86E-05	5.03E-04	5.80E-05	2.32E-02	6
352.923	4256.511	3.61E-05	3.21E-04	5.45E-05	3.21E-03	1.94E-04	1.66E-02	5.79E-05	8.40E-04	1.87E-05	4.66E-04	5.49E-05	2.18E-02	7
360.07	4251.515	2.58E-04	4.68E-03	4.02E-04	4.00E-02	3.76E-03	2.39E-01	7.63E-04	6.28E-03	1.57E-04	7.23E-03	6.94E-04	3.03E-01	8
358.319	4256.787	6.63E-05	8.23E-04	9.55E-05	6.97E-03	4.03E-04	3.54E-02	1.43E-04	1.32E-03	3.45E-05	9.89E-04	1.08E-04	4.64E-02	9
357.967	4236.782	5.92E-05	4.68E-04	5.62E-05	4.95E-03	1.33E-04	1.95E-02	9.32E-05	1.26E-03	2.06E-05	4.99E-04	6.88E-05	2.71E-02	10
357.757	4257.938	4.56E-05	5.36E-04	7.26E-05	4.80E-03	2.69E-04	2.35E-02	9.36E-05	9.60E-04	2.50E-05	6.70E-04	7.47E-05	3.11E-02	11
358.583	4257.985	5.73E-05	6.53E-04	8.18E-05	5.66E-03	3.30E-04	2.94E-02	1.17E-04	1.08E-03	2.86E-05	8.40E-04	9.03E-05	3.83E-02	12
358.28	4258.699	4.17E-05	4.82E-04	5.98E-05	4.20E-03	2.48E-04	2.20E-02	8.40E-05	8.29E-04	2.11E-05	6.21E-04	6.72E-05	2.86E-02	13
356.538	4257.418	4.87E-05	5.08E-04	6.52E-05	4.33E-03	2.37E-04	2.23E-02	9.09E-05	8.78E-04	2.25E-05	6.02E-04	6.70E-05	2.91E-02	14
355.609	4257.482	4.48E-05	4.04E-04	6.03E-05	3.80E-03	2.08E-04	1.82E-02	7.36E-05	8.04E-04	2.05E-05	5.25E-04	5.92E-05	2.42E-02	15
354.756	4257.833	3.76E-05	3.35E-04	5.07E-05	3.01E-03	1.66E-04	1.50E-02	5.92E-05	7.05E-04	1.70E-05	4.26E-04	4.94E-05	1.99E-02	16
353.592	4257.513	4.00E-05	3.00E-04	5.01E-05	3.27E-03	1.60E-04	1.48E-02	6.27E-05	6.85E-04	1.67E-05	4.16E-04	4.85E-05	1.98E-02	17
356.252	4258.813	2.93E-05	2.93E-04	3.91E-05	2.73E-03	1.60E-04	1.36E-02	5.56E-05	5.63E-04	1.32E-05	3.83E-04	4.27E-05	1.79E-02	18
356.063	4257.493	4.74E-05	4.43E-04	6.29E-05	4.01E-03	2.17E-04	1.96E-02	8.02E-05	7.99E-04	2.15E-05	5.44E-04	6.10E-05	2.59E-02	19
354.883	4257.416	4.28E-05	3.77E-04	5.53E-05	3.39E-03	1.85E-04	1.70E-02	6.66E-05	7.91E-04	1.88E-05	4.79E-04	5.56E-05	2.25E-02	20
355.43	4258.246	3.64E-05	3.22E-04	5.13E-05	3.06E-03	1.67E-04	1.46E-02	5.97E-05	6.61E-04	1.70E-05	4.19E-04	4.76E-05	1.94E-02	21
362.258	4250.367	7.56E-04	4.05E-03	5.67E-04	5.07E-02	4.16E-03	2.41E-01	1.08E-03	9.99E-03	2.02E-04	8.25E-03	8.38E-04	3.21E-01	22
370.147	4251.962	9.08E-05	4.32E-04	9.62E-05	5.56E-03	1.97E-04	2.05E-02	1.13E-04	1.05E-03	2.81E-05	6.05E-04	7.50E-05	2.87E-02	23
367.434	4250.773	1.48E-04	7.98E-04	1.45E-04	1.05E-02	3.92E-04	4.09E-02	2.16E-04	2.09E-03	4.58E-05	1.20E-03	1.45E-04	5.65E-02	24
369.904	4251.966	9.68E-05	4.65E-04	1.01E-04	5.98E-03	2.08E-04	2.19E-02	1.20E-04	1.13E-03	2.97E-05	6.47E-04	8.03E-05	3.08E-02	25
368.069	4251.009	1.41E-04	6.91E-04	1.32E-04	9.17E-03	3.29E-04	3.54E-02	1.86E-04	1.81E-03	4.09E-05	1.02E-03	1.24E-04	4.90E-02	26
369.859	4252.183	9.66E-05	4.74E-04	1.02E-04	6.08E-03	2.08E-04	2.24E-02	1.20E-04	1.14E-03	2.97E-05	6.57E-04	8.14E-05	3.13E-02	27
363.629	4249.585	2.87E-04	2.89E-03	3.11E-04	4.92E-02	2.10E-03	1.67E-01	9.72E-04	8.68E-03	1.16E-04	5.93E-03	6.58E-04	2.38E-01	28
368.355	4251.123	1.32E-04	6.52E-04	1.27E-04	8.75E-03	3.04E-04	3.28E-02	1.73E-04	1.68E-03	3.89E-05	9.49E-04	1.16E-04	4.57E-02	29
369.938	4251.951	9.58E-05	4.60E-04	1.01E-04	5.92E-03	2.07E-04	2.17E-02	1.19E-04	1.12E-03	2.94E-05	6.41E-04	7.96E-05	3.05E-02	30
363.845	4250.503	3.37E-04	1.76E-03	3.03E-04	2.84E-02	1.29E-03	1.02E-01	5.65E-04	5.92E-03	9.89E-05	3.34E-03	4.00E-04	1.44E-01	31
363.022	4250.743	5.00E-04	2.50E-03	3.97E-04	3.49E-02	1.92E-03	1.36E-01	7.56E-04	6.83E-03	1.35E-04	4.62E-03	5.20E-04	1.89E-01	32
361.514	4247.077	1.54E-03	1.13E-02	1.15E-03	2.69E-01	5.48E-03	7.78E-01	6.47E-03	5.70E-02	4.51E-04	2.25E-02	3.23E-03	1.16E+00	33
361.88	4251.105	6.65E-04	4.07E-03	5.84E-04	5.20E-02	3.50E-03	2.28E-01	1.07E-03	9.42E-03	2.06E-04	7.66E-03	8.21E-04	3.08E-01	34
360.725	4249.695	1.08E-03	1.78E-02	1.57E-03	2.20E-01	6.01E-02	1.48E+00	3.95E-03	3.11E-02	6.29E-04	6.95E-02	5.52E-03	1.89E+00	35
362.048	4247.285	6.31E-04	7.52E-03	7.16E-04	1.37E-01	5.24E-03	5.04E-01	3.14E-03	2.85E-02	2.80E-04	1.65E-02	1.87E-03	7.05E-01	36
361.991	4248.954	1.01E-03	7.24E-03	8.57E-04	1.45E-01	1.23E-02	6.42E-01	3.35E-03	1.98E-02	3.24E-04	2.63E-02	2.39E-03	8.61E-01	37
361.004	4242.31	1.31E-04	1.29E-03	1.47E-04	1.47E-02	4.12E-04	5.29E-02	2.68E-04	4.57E-03	5.29E-05	1.51E-03	2.10E-04	7.62E-02	38
361.042	4244.529	2.15E-04	2.52E-03	2.50E-04	3.48E-02	9.47E-04	1.19E-01	6.45E-04	1.07E-02	9.34E-05	3.40E-03	4.86E-04	1.73E-01	39
351.191	4248.367	2.75E-05	3.45E-04	4.55E-05	4.67E-03	1.53E-04	1.62E-02	7.99E-05	1.07E-03	1.60E-05	4.43E-04	6.37E-05	2.32E-02	40

TABLE 3.8-1
CANCER RISKS FOR THE LIFETIME RESIDENT RECEPTOR
RECEPTOR LOCATIONS WITH RISKS GREATER THAN 1E-4
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		CANCER RISK					CUMULATIVE CANCER RISK
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL	
360.302	4247.704	3.94E-06	1.05E-03	6.07E-06	1.76E-07	4.05E-06	1.06E-03
360.623	4247.86	5.93E-06	3.32E-04	2.79E-05	2.12E-07	5.76E-06	3.72E-04
360.6	4247.8	5.78E-06	3.03E-04	2.19E-05	1.75E-07	5.59E-06	3.37E-04
360.578	4247.772	5.67E-06	2.97E-04	1.94E-05	1.67E-07	5.53E-06	3.27E-04
360.263	4247.743	4.96E-06	2.27E-04	6.01E-06	1.85E-07	5.38E-06	2.43E-04
360.239	4248.398	6.12E-05	3.73E-05	2.28E-05	1.27E-06	8.18E-05	2.04E-04
360.6	4247.7	5.20E-06	1.70E-04	1.09E-05	1.43E-07	4.85E-06	1.91E-04
360.23	4248.121	4.90E-05	5.53E-05	1.10E-05	4.82E-07	6.52E-05	1.81E-04
360.705	4247.78	5.72E-06	1.55E-04	1.36E-05	2.15E-07	5.05E-06	1.80E-04
360.668	4247.947	6.20E-06	1.46E-04	1.46E-05	2.82E-07	6.01E-06	1.73E-04
360.656	4247.671	5.37E-06	1.37E-04	1.01E-05	1.92E-07	4.79E-06	1.58E-04
360.289	4248.002	1.63E-05	1.09E-04	9.48E-06	3.61E-07	2.03E-05	1.55E-04
360.7	4247.9	5.79E-06	1.27E-04	1.26E-05	2.31E-07	5.40E-06	1.51E-04
360.527	4247.67	4.60E-06	1.34E-04	6.06E-06	1.45E-07	4.42E-06	1.50E-04
360.245	4247.842	7.60E-06	1.23E-04	7.01E-06	2.29E-07	8.59E-06	1.47E-04
360.2	4248.1	3.60E-05	4.89E-05	1.02E-05	4.39E-07	4.72E-05	1.43E-04
360.1	4248.2	4.28E-05	2.81E-05	9.95E-06	5.29E-07	5.77E-05	1.39E-04
360.578	4247.646	4.62E-06	1.15E-04	6.43E-06	1.28E-07	4.29E-06	1.30E-04
360.261	4247.658	4.07E-06	1.10E-04	5.44E-06	1.55E-07	4.33E-06	1.24E-04
360.7	4248	5.97E-06	9.50E-05	1.20E-05	3.13E-07	5.62E-06	1.19E-04
360.5	4249	7.84E-06	3.17E-05	5.33E-05	1.89E-05	6.36E-06	1.18E-04
360.4	4248.912	8.87E-06	3.32E-05	5.52E-05	1.29E-05	7.74E-06	1.18E-04
360.6	4249	6.72E-06	3.29E-05	5.30E-05	1.97E-05	5.34E-06	1.18E-04
360.226	4247.933	1.05E-05	7.99E-05	7.78E-06	2.81E-07	1.23E-05	1.11E-04
360.169	4248.084	2.52E-05	4.26E-05	9.36E-06	4.06E-07	3.22E-05	1.10E-04
360.198	4248.033	2.00E-05	5.41E-05	8.88E-06	3.59E-07	2.51E-05	1.08E-04
360.8	4247.8	5.66E-06	8.40E-05	1.03E-05	2.86E-07	4.81E-06	1.05E-04
360.212	4247.985	1.39E-05	6.53E-05	8.30E-06	3.18E-07	1.68E-05	1.05E-04
360.117	4248.126	2.65E-05	3.22E-05	9.28E-06	4.37E-07	3.45E-05	1.03E-04
360.713	4248.035	5.76E-06	7.86E-05	1.17E-05	3.39E-07	5.30E-06	1.02E-04

TABLE 3.8-2
CANCER RISKS FOR THE LIFETIME RESIDENT RECEPTOR
SPECIAL RECEPTOR LOCATIONS
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		CANCER RISK					CUMULATIVE CANCER RISK	SPECIAL RECEPTOR NUMBER
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL		
351.268	4248.783	1.36E-07	1.65E-07	5.10E-08	3.04E-09	9.06E-08	4.46E-07	1
351.442	4248.922	1.55E-07	1.78E-07	5.71E-08	3.53E-09	1.03E-07	4.96E-07	2
352.304	4244.943	3.17E-07	3.68E-07	1.02E-07	4.90E-09	2.12E-07	1.00E-06	3
351.249	4248.867	1.32E-07	1.61E-07	5.15E-08	3.11E-09	8.88E-08	4.37E-07	4
351.861	4255.334	1.27E-07	1.20E-07	4.39E-08	2.88E-09	8.05E-08	3.75E-07	5
352.91	4256.166	1.72E-07	1.38E-07	5.40E-08	3.75E-09	1.11E-07	4.78E-07	6
352.923	4256.511	1.69E-07	1.31E-07	5.09E-08	3.54E-09	1.09E-07	4.64E-07	7
360.07	4251.515	1.14E-06	1.48E-06	7.64E-07	6.85E-08	8.21E-07	4.28E-06	8
358.319	4256.787	2.74E-07	2.58E-07	1.02E-07	7.26E-09	1.84E-07	8.25E-07	9
357.967	4236.782	1.61E-07	1.69E-07	4.51E-08	2.31E-09	1.07E-07	4.83E-07	10
357.757	4257.938	2.03E-07	1.76E-07	7.13E-08	5.00E-09	1.32E-07	5.87E-07	11
358.583	4257.985	2.36E-07	2.16E-07	8.74E-08	5.89E-09	1.54E-07	6.98E-07	12
358.28	4258.699	1.74E-07	1.58E-07	6.53E-08	4.38E-09	1.16E-07	5.18E-07	13
356.538	4257.418	1.93E-07	1.65E-07	6.16E-08	4.19E-09	1.24E-07	5.48E-07	14
355.609	4257.482	1.77E-07	1.39E-07	5.13E-08	3.72E-09	1.14E-07	4.85E-07	15
354.756	4257.833	1.46E-07	1.20E-07	4.59E-08	3.18E-09	9.21E-08	4.07E-07	16
353.592	4257.513	1.49E-07	1.33E-07	4.87E-08	3.12E-09	9.43E-08	4.28E-07	17
356.252	4258.813	1.16E-07	1.06E-07	3.97E-08	2.84E-09	7.31E-08	3.37E-07	18
356.063	4257.493	1.88E-07	1.48E-07	5.43E-08	3.79E-09	1.21E-07	5.15E-07	19
354.883	4257.416	1.62E-07	1.36E-07	5.23E-08	3.50E-09	1.02E-07	4.56E-07	20
355.43	4258.246	1.52E-07	1.12E-07	4.14E-08	2.99E-09	9.51E-08	4.04E-07	21
362.258	4250.367	1.60E-06	1.97E-06	8.57E-07	7.53E-08	1.06E-06	5.57E-06	22
370.147	4251.962	2.74E-07	1.88E-07	5.62E-08	3.28E-09	1.52E-07	6.73E-07	23
367.434	4250.773	4.07E-07	3.79E-07	1.14E-07	6.69E-09	2.43E-07	1.15E-06	24
369.904	4251.966	2.89E-07	2.02E-07	5.99E-08	3.48E-09	1.60E-07	7.15E-07	25
368.069	4251.009	3.74E-07	3.14E-07	9.60E-08	5.65E-09	2.17E-07	1.01E-06	26
369.859	4252.183	2.90E-07	2.07E-07	6.01E-08	3.46E-09	1.61E-07	7.22E-07	27
363.629	4249.585	8.66E-07	1.71E-06	5.81E-07	3.81E-08	6.00E-07	3.79E-06	28
368.355	4251.123	3.60E-07	2.95E-07	8.96E-08	5.26E-09	2.08E-07	9.57E-07	29
369.938	4251.951	2.87E-07	2.00E-07	5.94E-08	3.45E-09	1.59E-07	7.08E-07	30
363.845	4250.503	8.39E-07	1.02E-06	3.25E-07	2.26E-08	5.06E-07	2.71E-06	31
363.022	4250.743	1.13E-06	1.33E-06	4.78E-07	3.49E-08	7.04E-07	3.67E-06	32
361.514	4247.077	3.03E-06	7.74E-06	2.00E-06	9.66E-08	2.21E-06	1.51E-05	33
361.88	4251.105	1.54E-06	1.49E-06	7.45E-07	6.17E-08	1.01E-06	4.85E-06	34
360.725	4249.695	4.14E-06	6.32E-06	7.07E-06	1.06E-06	3.08E-06	2.17E-05	35
362.048	4247.285	1.89E-06	3.93E-06	1.56E-06	9.25E-08	1.37E-06	8.84E-06	36
361.991	4248.954	2.26E-06	4.16E-06	2.56E-06	2.17E-07	1.59E-06	1.08E-05	37
361.004	4242.31	3.87E-07	4.23E-07	1.30E-07	7.27E-09	2.59E-07	1.21E-06	38
361.042	4244.529	6.60E-07	9.99E-07	2.92E-07	1.67E-08	4.57E-07	2.42E-06	39
351.191	4248.367	1.20E-07	1.34E-07	3.75E-08	2.69E-09	7.81E-08	3.72E-07	40

TABLE 3.8-3
CANCER RISKS FOR THE ADULT RESIDENT RECEPTOR
SPECIAL RECEPTOR LOCATIONS
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		CANCER RISK					CUMULATIVE CANCER RISK	SPECIAL RECEPTOR NUMBER
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL		
351.268	4248.783	7.98E-08	9.71E-08	3.00E-08	1.78E-09	5.33E-08	2.62E-07	1
351.442	4248.922	9.09E-08	1.04E-07	3.36E-08	2.08E-09	6.05E-08	2.91E-07	2
352.304	4244.943	1.86E-07	2.16E-07	6.00E-08	2.88E-09	1.25E-07	5.90E-07	3
351.249	4248.867	7.78E-08	9.49E-08	3.03E-08	1.83E-09	5.22E-08	2.57E-07	4
351.861	4255.334	7.49E-08	7.08E-08	2.58E-08	1.69E-09	4.74E-08	2.21E-07	5
352.91	4256.166	1.01E-07	8.12E-08	3.17E-08	2.20E-09	6.50E-08	2.81E-07	6
352.923	4256.511	9.94E-08	7.73E-08	2.99E-08	2.08E-09	6.41E-08	2.73E-07	7
360.07	4251.515	6.71E-07	8.73E-07	4.49E-07	4.03E-08	4.83E-07	2.52E-06	8
358.319	4256.787	1.61E-07	1.52E-07	5.98E-08	4.27E-09	1.08E-07	4.85E-07	9
357.967	4236.782	9.44E-08	9.93E-08	2.65E-08	1.36E-09	6.26E-08	2.84E-07	10
357.757	4257.938	1.19E-07	1.04E-07	4.19E-08	2.94E-09	7.74E-08	3.45E-07	11
358.583	4257.985	1.39E-07	1.27E-07	5.14E-08	3.47E-09	9.04E-08	4.11E-07	12
358.28	4258.699	1.03E-07	9.28E-08	3.84E-08	2.58E-09	6.82E-08	3.04E-07	13
356.538	4257.418	1.14E-07	9.69E-08	3.62E-08	2.46E-09	7.29E-08	3.22E-07	14
355.609	4257.482	1.04E-07	8.18E-08	3.02E-08	2.19E-09	6.69E-08	2.85E-07	15
354.756	4257.833	8.61E-08	7.05E-08	2.70E-08	1.87E-09	5.41E-08	2.40E-07	16
353.592	4257.513	8.77E-08	7.80E-08	2.86E-08	1.83E-09	5.54E-08	2.52E-07	17
356.252	4258.813	6.82E-08	6.21E-08	2.34E-08	1.67E-09	4.30E-08	1.98E-07	18
356.063	4257.493	1.10E-07	8.73E-08	3.19E-08	2.23E-09	7.13E-08	3.03E-07	19
354.883	4257.416	9.52E-08	7.98E-08	3.07E-08	2.06E-09	6.02E-08	2.68E-07	20
355.43	4258.246	8.96E-08	6.61E-08	2.43E-08	1.76E-09	5.59E-08	2.38E-07	21
362.258	4250.367	9.43E-07	1.16E-06	5.04E-07	4.43E-08	6.23E-07	3.27E-06	22
370.147	4251.962	1.61E-07	1.11E-07	3.31E-08	1.93E-09	8.91E-08	3.96E-07	23
367.434	4250.773	2.39E-07	2.23E-07	6.71E-08	3.93E-09	1.43E-07	6.76E-07	24
369.904	4251.966	1.70E-07	1.19E-07	3.52E-08	2.04E-09	9.43E-08	4.20E-07	25
368.069	4251.009	2.20E-07	1.85E-07	5.65E-08	3.32E-09	1.28E-07	5.92E-07	26
369.859	4252.183	1.71E-07	1.22E-07	3.53E-08	2.04E-09	9.46E-08	4.25E-07	27
363.629	4249.585	5.09E-07	1.00E-06	3.41E-07	2.24E-08	3.53E-07	2.23E-06	28
368.355	4251.123	2.12E-07	1.73E-07	5.27E-08	3.09E-09	1.22E-07	5.63E-07	29
369.938	4251.951	1.69E-07	1.18E-07	3.49E-08	2.03E-09	9.35E-08	4.16E-07	30
363.845	4250.503	4.93E-07	5.97E-07	1.91E-07	1.33E-08	2.98E-07	1.59E-06	31
363.022	4250.743	6.62E-07	7.82E-07	2.81E-07	2.05E-08	4.14E-07	2.16E-06	32
361.514	4247.077	1.78E-06	4.55E-06	1.18E-06	5.68E-08	1.30E-06	8.86E-06	33
361.88	4251.105	9.07E-07	8.78E-07	4.38E-07	3.63E-08	5.93E-07	2.85E-06	34
360.725	4249.695	2.44E-06	3.72E-06	4.16E-06	6.24E-07	1.81E-06	1.27E-05	35
362.048	4247.285	1.11E-06	2.31E-06	9.15E-07	5.44E-08	8.06E-07	5.20E-06	36
361.991	4248.954	1.33E-06	2.45E-06	1.50E-06	1.27E-07	9.33E-07	6.34E-06	37
361.004	4242.31	2.28E-07	2.49E-07	7.63E-08	4.27E-09	1.52E-07	7.10E-07	38
361.042	4244.529	3.88E-07	5.88E-07	1.71E-07	9.82E-09	2.69E-07	1.43E-06	39
351.191	4248.367	7.06E-08	7.88E-08	2.20E-08	1.58E-09	4.59E-08	2.19E-07	40

TABLE 3.8-4
CANCER RISKS FOR THE CHILD RESIDENT RECEPTOR
SPECIAL RECEPTOR LOCATIONS
TASK 1 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		CANCER RISK					CUMULATIVE CANCER RISK	SPECIAL RECEPTOR NUMBER
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL		
351.268	4248.783	5.59E-08	6.80E-08	2.10E-08	1.25E-09	3.73E-08	1.83E-07	1
351.442	4248.922	6.36E-08	7.31E-08	2.35E-08	1.45E-09	4.23E-08	2.04E-07	2
352.304	4244.943	1.30E-07	1.51E-07	4.20E-08	2.02E-09	8.75E-08	4.13E-07	3
351.249	4248.867	5.45E-08	6.64E-08	2.12E-08	1.28E-09	3.66E-08	1.80E-07	4
351.861	4255.334	5.24E-08	4.96E-08	1.81E-08	1.19E-09	3.32E-08	1.54E-07	5
352.91	4256.166	7.08E-08	5.68E-08	2.22E-08	1.54E-09	4.55E-08	1.97E-07	6
352.923	4256.511	6.96E-08	5.41E-08	2.10E-08	1.46E-09	4.49E-08	1.91E-07	7
360.07	4251.515	4.70E-07	6.11E-07	3.15E-07	2.82E-08	3.38E-07	1.76E-06	8
358.319	4256.787	1.13E-07	1.06E-07	4.19E-08	2.99E-09	7.57E-08	3.40E-07	9
357.967	4236.782	6.61E-08	6.95E-08	1.86E-08	9.52E-10	4.39E-08	1.99E-07	10
357.757	4257.938	8.35E-08	7.25E-08	2.94E-08	2.06E-09	5.42E-08	2.42E-07	11
358.583	4257.985	9.70E-08	8.87E-08	3.60E-08	2.43E-09	6.33E-08	2.87E-07	12
358.28	4258.699	7.18E-08	6.50E-08	2.69E-08	1.80E-09	4.77E-08	2.13E-07	13
356.538	4257.418	7.96E-08	6.78E-08	2.54E-08	1.72E-09	5.11E-08	2.26E-07	14
355.609	4257.482	7.29E-08	5.73E-08	2.11E-08	1.53E-09	4.69E-08	2.00E-07	15
354.756	4257.833	6.03E-08	4.94E-08	1.89E-08	1.31E-09	3.79E-08	1.68E-07	16
353.592	4257.513	6.14E-08	5.46E-08	2.01E-08	1.28E-09	3.88E-08	1.76E-07	17
356.252	4258.813	4.77E-08	4.35E-08	1.64E-08	1.17E-09	3.01E-08	1.39E-07	18
356.063	4257.493	7.72E-08	6.11E-08	2.24E-08	1.56E-09	4.99E-08	2.12E-07	19
354.883	4257.416	6.67E-08	5.59E-08	2.15E-08	1.44E-09	4.22E-08	1.88E-07	20
355.43	4258.246	6.28E-08	4.63E-08	1.70E-08	1.23E-09	3.91E-08	1.66E-07	21
362.258	4250.367	6.61E-07	8.12E-07	3.53E-07	3.10E-08	4.36E-07	2.29E-06	22
370.147	4251.962	1.13E-07	7.75E-08	2.31E-08	1.35E-09	6.24E-08	2.77E-07	23
367.434	4250.773	1.67E-07	1.56E-07	4.70E-08	2.76E-09	1.00E-07	4.73E-07	24
369.904	4251.966	1.19E-07	8.32E-08	2.47E-08	1.43E-09	6.60E-08	2.94E-07	25
368.069	4251.009	1.54E-07	1.29E-07	3.95E-08	2.33E-09	8.95E-08	4.15E-07	26
369.859	4252.183	1.20E-07	8.54E-08	2.47E-08	1.43E-09	6.63E-08	2.97E-07	27
363.629	4249.585	3.57E-07	7.02E-07	2.39E-07	1.57E-08	2.47E-07	1.56E-06	28
368.355	4251.123	1.48E-07	1.21E-07	3.69E-08	2.17E-09	8.54E-08	3.94E-07	29
369.938	4251.951	1.18E-07	8.23E-08	2.45E-08	1.42E-09	6.55E-08	2.92E-07	30
363.845	4250.503	3.45E-07	4.18E-07	1.34E-07	9.29E-09	2.09E-07	1.11E-06	31
363.022	4250.743	4.64E-07	5.48E-07	1.97E-07	1.44E-08	2.90E-07	1.51E-06	32
361.514	4247.077	1.25E-06	3.19E-06	8.25E-07	3.98E-08	9.08E-07	6.21E-06	33
361.88	4251.105	6.35E-07	6.15E-07	3.07E-07	2.54E-08	4.15E-07	2.00E-06	34
360.725	4249.695	1.71E-06	2.60E-06	2.91E-06	4.37E-07	1.27E-06	8.92E-06	35
362.048	4247.285	7.79E-07	1.62E-06	6.41E-07	3.81E-08	5.65E-07	3.64E-06	36
361.991	4248.954	9.31E-07	1.71E-06	1.05E-06	8.92E-08	6.53E-07	4.44E-06	37
361.004	4242.31	1.59E-07	1.74E-07	5.34E-08	2.99E-09	1.07E-07	4.97E-07	38
361.042	4244.529	2.72E-07	4.11E-07	1.20E-07	6.88E-09	1.88E-07	9.98E-07	39
351.191	4248.367	4.94E-08	5.52E-08	1.54E-08	1.11E-09	3.22E-08	1.53E-07	40

TABLE 3.8-5
CANCER RISKS FOR THE LIFETIME RESIDENT RECEPTOR
RECEPTOR LOCATIONS WITH RISKS GREATER THAN 1E-4
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		CANCER RISK					CUMULATIVE CANCER RISK	SPECIAL RECEPTOR NUMBER
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL		
360.302	4247.704	3.79E-06	1.00E-03	8.27E-06	1.72E-07	3.86E-06	1.02E-03	
360.623	4247.86	5.68E-06	1.99E-04	2.78E-05	2.04E-07	5.53E-06	2.38E-04	
360.578	4247.772	5.40E-06	2.04E-04	1.96E-05	1.61E-07	5.29E-06	2.34E-04	
360.6	4247.8	5.50E-06	1.98E-04	2.20E-05	1.69E-07	5.35E-06	2.31E-04	
360.263	4247.743	4.76E-06	2.12E-04	8.64E-06	1.81E-07	5.13E-06	2.31E-04	
360.239	4248.398	5.92E-05	3.06E-05	4.01E-05	1.24E-06	7.93E-05	2.10E-04	
360.23	4248.121	4.74E-05	4.49E-05	1.83E-05	4.74E-07	6.31E-05	1.74E-04	
360.4	4248.912	8.48E-06	2.89E-05	9.79E-05	1.26E-05	7.41E-06	1.55E-04	
360.5	4249	7.45E-06	2.77E-05	9.45E-05	1.83E-05	6.07E-06	1.54E-04	
360.6	4249	6.33E-06	2.89E-05	9.44E-05	1.92E-05	5.05E-06	1.54E-04	
360.6	4247.7	4.89E-06	1.21E-04	1.15E-05	1.37E-07	4.60E-06	1.42E-04	
360.289	4248.002	1.58E-05	9.15E-05	1.46E-05	3.54E-07	1.95E-05	1.42E-04	
360.1	4248.2	4.26E-05	2.27E-05	1.72E-05	5.21E-07	5.74E-05	1.40E-04	
360.2	4248.1	3.51E-05	3.99E-05	1.70E-05	4.31E-07	4.61E-05	1.39E-04	
360.245	4247.842	7.28E-06	1.10E-04	1.06E-05	2.24E-07	8.18E-06	1.36E-04	
360.341	4248.904	8.96E-06	2.54E-05	7.69E-05	8.82E-06	8.04E-06	1.28E-04	
360.527	4247.67	4.34E-06	1.10E-04	7.24E-06	1.40E-07	4.17E-06	1.26E-04	
360.705	4247.78	5.42E-06	9.71E-05	1.48E-05	2.06E-07	4.80E-06	1.22E-04	
360.668	4247.947	5.98E-06	9.04E-05	1.70E-05	2.71E-07	5.80E-06	1.19E-04	
360.4	4249	8.40E-06	2.25E-05	6.84E-05	1.07E-05	6.93E-06	1.17E-04	
360.7	4249	5.45E-06	2.43E-05	7.14E-05	1.14E-05	4.21E-06	1.17E-04	
360.656	4247.671	5.03E-06	9.35E-05	1.11E-05	1.83E-07	4.52E-06	1.14E-04	
360.261	4247.658	3.88E-06	9.74E-05	7.81E-06	1.51E-07	4.10E-06	1.13E-04	
360.728	4248.992	5.28E-06	2.31E-05	6.64E-05	1.00E-05	4.06E-06	1.09E-04	
360.169	4248.084	2.48E-05	3.48E-05	1.57E-05	3.99E-07	3.19E-05	1.08E-04	
360.196	4248.694	1.55E-05	2.22E-05	4.81E-05	2.81E-06	1.69E-05	1.06E-04	
360.7	4247.9	5.55E-06	7.98E-05	1.47E-05	2.23E-07	5.18E-06	1.05E-04	
360.578	4247.646	4.33E-06	8.87E-05	7.38E-06	1.23E-07	4.04E-06	1.05E-04	
360.5	4249.1	7.02E-06	1.98E-05	6.11E-05	1.09E-05	5.52E-06	1.04E-04	
360.6	4249.1	6.65E-06	2.01E-05	6.13E-05	1.10E-05	5.20E-06	1.04E-04	
360.198	4248.033	1.94E-05	4.48E-05	1.46E-05	3.52E-07	2.44E-05	1.03E-04	
360.117	4248.126	2.63E-05	2.61E-05	1.59E-05	4.30E-07	3.44E-05	1.03E-04	
360.226	4247.933	1.00E-05	6.82E-05	1.22E-05	2.76E-07	1.18E-05	1.03E-04	

TABLE 3.8-6
CANCER RISKS FOR THE LIFETIME RESIDENT RECEPTOR
SPECIAL RECEPTOR LOCATIONS
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		CANCER RISK					CUMULATIVE CANCER RISK	SPECIAL RECEPTOR NUMBER
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL		
351.268	4248.783	1.34E-07	1.32E-07	7.96E-08	2.92E-09	9.06E-08	4.39E-07	1
351.442	4248.922	1.53E-07	1.44E-07	9.21E-08	3.26E-09	1.04E-07	4.96E-07	2
352.304	4244.943	3.17E-07	2.78E-07	1.62E-07	4.87E-09	2.13E-07	9.74E-07	3
351.249	4248.867	1.31E-07	1.29E-07	8.19E-08	2.95E-09	8.94E-08	4.34E-07	4
351.861	4255.334	1.22E-07	8.30E-08	7.10E-08	2.77E-09	7.61E-08	3.55E-07	5
352.91	4256.166	1.45E-07	9.51E-08	8.85E-08	3.84E-09	9.11E-08	4.23E-07	6
352.923	4256.511	1.44E-07	9.22E-08	8.07E-08	3.43E-09	9.14E-08	4.12E-07	7
360.07	4251.515	1.06E-06	1.15E-06	1.30E-06	6.62E-08	7.69E-07	4.34E-06	8
358.319	4256.787	2.52E-07	2.00E-07	1.71E-07	7.11E-09	1.69E-07	7.99E-07	9
357.967	4236.782	1.48E-07	1.42E-07	8.07E-08	2.35E-09	1.01E-07	4.75E-07	10
357.757	4257.938	1.92E-07	1.38E-07	1.15E-07	4.74E-09	1.22E-07	5.72E-07	11
358.583	4257.985	2.16E-07	1.62E-07	1.47E-07	5.82E-09	1.40E-07	6.71E-07	12
358.28	4258.699	1.58E-07	1.21E-07	1.08E-07	4.38E-09	1.03E-07	4.95E-07	13
356.538	4257.418	1.72E-07	1.24E-07	1.05E-07	4.17E-09	1.10E-07	5.16E-07	14
355.609	4257.482	1.59E-07	1.09E-07	9.12E-08	3.67E-09	1.00E-07	4.64E-07	15
354.756	4257.833	1.34E-07	8.64E-08	7.49E-08	2.93E-09	8.34E-08	3.81E-07	16
353.592	4257.513	1.32E-07	9.38E-08	7.22E-08	2.82E-09	8.18E-08	3.83E-07	17
356.252	4258.813	1.03E-07	7.84E-08	6.61E-08	2.83E-09	6.45E-08	3.15E-07	18
356.063	4257.493	1.66E-07	1.15E-07	9.43E-08	3.83E-09	1.05E-07	4.85E-07	19
354.883	4257.416	1.46E-07	9.74E-08	8.43E-08	3.26E-09	9.19E-08	4.23E-07	20
355.43	4258.246	1.35E-07	8.80E-08	7.25E-08	2.94E-09	8.32E-08	3.82E-07	21
362.258	4250.367	1.50E-06	1.46E-06	1.48E-06	7.34E-08	9.91E-07	5.49E-06	22
370.147	4251.962	2.54E-07	1.60E-07	1.01E-07	3.48E-09	1.37E-07	6.55E-07	23
367.434	4250.773	3.83E-07	3.01E-07	2.01E-07	6.92E-09	2.24E-07	1.11E-06	24
369.904	4251.966	2.68E-07	1.72E-07	1.08E-07	3.67E-09	1.45E-07	6.96E-07	25
368.069	4251.009	3.50E-07	2.63E-07	1.71E-07	5.80E-09	2.00E-07	9.90E-07	26
369.859	4252.183	2.69E-07	1.75E-07	1.10E-07	3.67E-09	1.45E-07	7.03E-07	27
363.629	4249.585	8.20E-07	1.41E-06	1.00E-06	3.71E-08	5.69E-07	3.84E-06	28
368.355	4251.123	3.35E-07	2.51E-07	1.59E-07	5.37E-09	1.90E-07	9.41E-07	29
369.938	4251.951	2.66E-07	1.70E-07	1.07E-07	3.65E-09	1.44E-07	6.90E-07	30
363.845	4250.503	8.00E-07	8.17E-07	5.70E-07	2.28E-08	4.84E-07	2.69E-06	31
363.022	4250.743	1.05E-06	1.00E-06	8.04E-07	3.39E-08	6.60E-07	3.55E-06	32
361.514	4247.077	3.03E-06	7.74E-06	3.68E-06	9.66E-08	2.21E-06	1.68E-05	33
361.88	4251.105	1.54E-06	1.49E-06	1.37E-06	6.17E-08	1.01E-06	5.48E-06	34
360.725	4249.695	4.14E-06	6.32E-06	1.30E-05	1.06E-06	3.08E-06	2.76E-05	35
362.048	4247.285	1.89E-06	3.93E-06	2.86E-06	9.25E-08	1.37E-06	1.01E-05	36
361.991	4248.954	2.26E-06	4.16E-06	4.70E-06	2.17E-07	1.59E-06	1.29E-05	37
361.004	4242.31	3.87E-07	4.23E-07	2.38E-07	7.27E-09	2.59E-07	1.32E-06	38
361.042	4244.529	6.60E-07	9.99E-07	5.35E-07	1.67E-08	4.57E-07	2.67E-06	39
351.191	4248.367	1.20E-07	1.34E-07	6.88E-08	2.69E-09	7.81E-08	4.04E-07	40

TABLE 3.8-7
CANCER RISKS FOR THE ADULT RESIDENT RECEPTOR
SPECIAL RECEPTOR LOCATIONS
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		CANCER RISK					CUMULATIVE CANCER RISK	SPECIAL RECEPTOR NUMBER
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL		
351.268	4248.783	7.86E-08	7.77E-08	4.68E-08	1.71E-09	5.33E-08	2.58E-07	1
351.442	4248.922	9.00E-08	8.50E-08	5.41E-08	1.92E-09	6.10E-08	2.92E-07	2
352.304	4244.943	1.86E-07	1.63E-07	9.53E-08	2.86E-09	1.25E-07	5.73E-07	3
351.249	4248.867	7.70E-08	7.57E-08	4.82E-08	1.73E-09	5.25E-08	2.55E-07	4
351.861	4255.334	7.18E-08	4.88E-08	4.18E-08	1.63E-09	4.48E-08	2.09E-07	5
352.91	4256.166	8.50E-08	5.59E-08	5.20E-08	2.26E-09	5.36E-08	2.49E-07	6
352.923	4256.511	8.46E-08	5.42E-08	4.75E-08	2.01E-09	5.37E-08	2.42E-07	7
360.07	4251.515	6.25E-07	6.76E-07	7.62E-07	3.89E-08	4.52E-07	2.55E-06	8
358.319	4256.787	1.48E-07	1.18E-07	1.00E-07	4.18E-09	9.92E-08	4.70E-07	9
357.967	4236.782	8.73E-08	8.37E-08	4.75E-08	1.38E-09	5.93E-08	2.79E-07	10
357.757	4257.938	1.13E-07	8.11E-08	6.76E-08	2.79E-09	7.20E-08	3.36E-07	11
358.583	4257.985	1.27E-07	9.55E-08	8.64E-08	3.42E-09	8.24E-08	3.95E-07	12
358.28	4258.699	9.28E-08	7.10E-08	6.38E-08	2.57E-09	6.08E-08	2.91E-07	13
356.538	4257.418	1.01E-07	7.31E-08	6.17E-08	2.45E-09	6.48E-08	3.03E-07	14
355.609	4257.482	9.36E-08	6.42E-08	5.36E-08	2.16E-09	5.90E-08	2.73E-07	15
354.756	4257.833	7.86E-08	5.08E-08	4.41E-08	1.72E-09	4.90E-08	2.24E-07	16
353.592	4257.513	7.78E-08	5.52E-08	4.25E-08	1.66E-09	4.81E-08	2.25E-07	17
356.252	4258.813	6.08E-08	4.61E-08	3.88E-08	1.66E-09	3.79E-08	1.85E-07	18
356.063	4257.493	9.77E-08	6.78E-08	5.54E-08	2.25E-09	6.18E-08	2.85E-07	19
354.883	4257.416	8.58E-08	5.73E-08	4.95E-08	1.92E-09	5.40E-08	2.49E-07	20
355.43	4258.246	7.96E-08	5.17E-08	4.26E-08	1.73E-09	4.89E-08	2.25E-07	21
362.258	4250.367	8.80E-07	8.56E-07	8.68E-07	4.31E-08	5.82E-07	3.23E-06	22
370.147	4251.962	1.49E-07	9.39E-08	5.93E-08	2.05E-09	8.08E-08	3.85E-07	23
367.434	4250.773	2.25E-07	1.77E-07	1.18E-07	4.07E-09	1.32E-07	6.56E-07	24
369.904	4251.966	1.58E-07	1.01E-07	6.33E-08	2.16E-09	8.54E-08	4.10E-07	25
368.069	4251.009	2.06E-07	1.55E-07	1.00E-07	3.41E-09	1.18E-07	5.82E-07	26
369.859	4252.183	1.58E-07	1.03E-07	6.46E-08	2.16E-09	8.55E-08	4.13E-07	27
363.629	4249.585	4.82E-07	8.31E-07	5.88E-07	2.18E-08	3.34E-07	2.26E-06	28
368.355	4251.123	1.97E-07	1.48E-07	9.35E-08	3.16E-09	1.12E-07	5.53E-07	29
369.938	4251.951	1.56E-07	1.00E-07	6.27E-08	2.14E-09	8.48E-08	4.06E-07	30
363.845	4250.503	4.70E-07	4.81E-07	3.35E-07	1.34E-08	2.85E-07	1.58E-06	31
363.022	4250.743	6.16E-07	5.90E-07	4.73E-07	2.00E-08	3.88E-07	2.09E-06	32
361.514	4247.077	1.78E-06	4.55E-06	2.16E-06	5.68E-08	1.30E-06	9.85E-06	33
361.88	4251.105	9.07E-07	8.78E-07	8.05E-07	3.63E-08	5.93E-07	3.22E-06	34
360.725	4249.695	2.44E-06	3.72E-06	7.64E-06	6.24E-07	1.81E-06	1.62E-05	35
362.048	4247.285	1.11E-06	2.31E-06	1.68E-06	5.44E-08	8.06E-07	5.97E-06	36
361.991	4248.954	1.33E-06	2.45E-06	2.76E-06	1.27E-07	9.33E-07	7.60E-06	37
361.004	4242.31	2.28E-07	2.49E-07	1.40E-07	4.27E-09	1.52E-07	7.73E-07	38
361.042	4244.529	3.88E-07	5.88E-07	3.15E-07	9.82E-09	2.69E-07	1.57E-06	39
351.191	4248.367	7.06E-08	7.88E-08	4.05E-08	1.58E-09	4.59E-08	2.37E-07	40

TABLE 3.8-8
CANCER RISKS FOR THE CHILD RESIDENT RECEPTOR
SPECIAL RECEPTOR LOCATIONS
TASK 3 DATA REASONABLE MAXIMUM EXPOSURE

RECEPTOR		CANCER RISK					CUMULATIVE CANCER RISK	SPECIAL RECEPTOR NUMBER
(x,y) km		ARSENIC	BENZENE	1,3-BUTADIENE	CARBON TETRACHLORIDE	NICKEL		
351.268	4248.783	5.51E-08	5.44E-08	3.28E-08	1.20E-09	3.73E-08	1.81E-07	1
351.442	4248.922	6.30E-08	5.95E-08	3.79E-08	1.34E-09	4.27E-08	2.04E-07	2
352.304	4244.943	1.31E-07	1.14E-07	6.67E-08	2.01E-09	8.76E-08	4.01E-07	3
351.249	4248.867	5.39E-08	5.30E-08	3.37E-08	1.21E-09	3.68E-08	1.79E-07	4
351.861	4255.334	5.03E-08	3.42E-08	2.92E-08	1.14E-09	3.13E-08	1.46E-07	5
352.91	4256.166	5.95E-08	3.91E-08	3.64E-08	1.58E-09	3.75E-08	1.74E-07	6
352.923	4256.511	5.93E-08	3.80E-08	3.32E-08	1.41E-09	3.76E-08	1.70E-07	7
360.07	4251.515	4.37E-07	4.73E-07	5.34E-07	2.73E-08	3.17E-07	1.79E-06	8
358.319	4256.787	1.04E-07	8.25E-08	7.02E-08	2.93E-09	6.94E-08	3.29E-07	9
357.967	4236.782	6.11E-08	5.86E-08	3.32E-08	9.66E-10	4.15E-08	1.95E-07	10
357.757	4257.938	7.90E-08	5.68E-08	4.74E-08	1.95E-09	5.04E-08	2.35E-07	11
358.583	4257.985	8.89E-08	6.69E-08	6.05E-08	2.40E-09	5.77E-08	2.76E-07	12
358.28	4258.699	6.50E-08	4.97E-08	4.46E-08	1.80E-09	4.25E-08	2.04E-07	13
356.538	4257.418	7.09E-08	5.12E-08	4.32E-08	1.72E-09	4.54E-08	2.12E-07	14
355.609	4257.482	6.55E-08	4.49E-08	3.76E-08	1.51E-09	4.13E-08	1.91E-07	15
354.756	4257.833	5.51E-08	3.56E-08	3.09E-08	1.21E-09	3.43E-08	1.57E-07	16
353.592	4257.513	5.45E-08	3.86E-08	2.97E-08	1.16E-09	3.37E-08	1.58E-07	17
356.252	4258.813	4.25E-08	3.23E-08	2.72E-08	1.17E-09	2.65E-08	1.30E-07	18
356.063	4257.493	6.84E-08	4.75E-08	3.88E-08	1.58E-09	4.33E-08	2.00E-07	19
354.883	4257.416	6.01E-08	4.01E-08	3.47E-08	1.34E-09	3.78E-08	1.74E-07	20
355.43	4258.246	5.58E-08	3.62E-08	2.98E-08	1.21E-09	3.42E-08	1.57E-07	21
362.258	4250.367	6.16E-07	6.00E-07	6.08E-07	3.02E-08	4.08E-07	2.26E-06	22
370.147	4251.962	1.05E-07	6.58E-08	4.15E-08	1.43E-09	5.66E-08	2.70E-07	23
367.434	4250.773	1.58E-07	1.24E-07	8.26E-08	2.85E-09	9.24E-08	4.59E-07	24
369.904	4251.966	1.10E-07	7.07E-08	4.44E-08	1.51E-09	5.98E-08	2.87E-07	25
368.069	4251.009	1.44E-07	1.08E-07	7.03E-08	2.39E-09	8.25E-08	4.08E-07	26
369.859	4252.183	1.11E-07	7.20E-08	4.52E-08	1.51E-09	5.98E-08	2.89E-07	27
363.629	4249.585	3.38E-07	5.82E-07	4.12E-07	1.53E-08	2.34E-07	1.58E-06	28
368.355	4251.123	1.38E-07	1.03E-07	6.55E-08	2.21E-09	7.84E-08	3.87E-07	29
369.938	4251.951	1.09E-07	7.00E-08	4.39E-08	1.50E-09	5.93E-08	2.84E-07	30
363.845	4250.503	3.29E-07	3.36E-07	2.35E-07	9.37E-09	1.99E-07	1.11E-06	31
363.022	4250.743	4.31E-07	4.13E-07	3.31E-07	1.40E-08	2.72E-07	1.46E-06	32
361.514	4247.077	1.25E-06	3.19E-06	1.51E-06	3.98E-08	9.08E-07	6.90E-06	33
361.88	4251.105	6.35E-07	6.15E-07	5.63E-07	2.54E-08	4.15E-07	2.25E-06	34
360.725	4249.695	1.71E-06	2.60E-06	5.35E-06	4.37E-07	1.27E-06	1.14E-05	35
362.048	4247.285	7.79E-07	1.62E-06	1.18E-06	3.81E-08	5.65E-07	4.18E-06	36
361.991	4248.954	9.31E-07	1.71E-06	1.93E-06	8.92E-08	6.53E-07	5.32E-06	37
361.004	4242.31	1.59E-07	1.74E-07	9.82E-08	2.99E-09	1.07E-07	5.42E-07	38
361.042	4244.529	2.72E-07	4.11E-07	2.20E-07	6.88E-09	1.88E-07	1.10E-06	39
351.191	4248.367	4.94E-08	5.52E-08	2.83E-08	1.11E-09	3.22E-08	1.66E-07	40

TABLE 4-1.1
SUMMARY OF SOURCES OF 24 HOUR ACUTE EXPOSURE SCREENING VALUES EVALUATED

Agency or Organization	Screening Value	Intended Use	Summary of Acceptance or Rejection of Screening Value
ATSDR[1]	Acute Minimum Risk Levels (MRLs)	Created as a screening tool for the human health assessment of acute airborne concentrations of contaminants	Accepted for use
California EPA, OEHHA[2]	Reference Exposure Levels (RELs)	Used to evaluate a limited selection of airborne contaminants, Based on the most sensitive, relevant adverse health effect reported in toxicological literature	Accepted for use
USEPA	Acute Exposure Guidance Levels (AEGLs)	AEGLs were developed for evaluation of emergency releases	Accepted for use
AIHA[3]	Emergency Response Planning Committee (ERPGs)	ERPGs are used as guidelines for emergency planning involving release of chemical material	Accepted for use
DOE[4]	Temporary Emergency Exposure Limits (TEELs)	TEELs were developed for evaluation of emergency releases	Determined to be inadequate for evaluation of 24 hour exposure
NRC[8]	Community Emergency Exposure Levels (CEELS)	CEELs present a blueprint for developing emergency standards for the general public	No CEELs are available for use
OSHA[5]	Permissible Exposure Limits (PELs)	Enforceable standards for occupational exposure (industrial workers) - carry the weight of law	Determined to be inadequate
NIOSH[6]	Recommended Exposure Levels (RELs), Short Term Exposure Limits (STELs)	Recommended exposure limits for occupational exposures -not enforceable	Determined to be inadequate
ACGIH[7]	Threshold Limit Values (TLVs), , Short Term Exposure Limits (STELs)	Recommended exposure limits for occupational exposure derived through annual consensus of non-governmental organization - not enforceable	Determined to be inadequate

[1]Agency for Toxic Substances and Disease Registry
[2] California EPA Office of Environmental Health Hazard Assessment
[3]American Industrial Hygiene Association
[4]Department of Energy
[5]Occupational Safety and Health Administration
[6]National Institute of Occupational Safety and Health
[7]American Conference of Governmental Industrial Hygienists
[8]National Research Council

TABLE 4-1.2
SUMMARY OF SOURCES OF 1 HOUR ACUTE EXPOSURE SCREENING VALUES EVALUATED

Agency or Organization	Screening Value	Intended Use	Summary of Acceptance or Rejection of Screening Value
California EPA, OEHHA[1]	Reference Exposure Levels (RELs)	Used to evaluate a limited selection of airborne contaminants, Based on the most sensitive, relevant adverse health effect reported in toxicological literature	Accepted for use
USEPA	Acute Exposure Guidance Levels (AEGLs)	AEGLs were developed for evaluation of emergency releases	Accepted for use
AIHA[2]	Emergency Response Planning Committee (ERPGs)	ERPGs are used as guidelines for emergency planning involving release of chemical material	Accepted for use
DOE[3]	Temporary Emergency Exposure Limits (TEELs)	AEGLs were developed for evaluation of emergency releases	Accepted for use
	Community Emergency Exposure Levels (CEELS)	CEELs present a blueprint for developing emergency standards for the general public	No CEELs are available for use
ATSDR[4]	Acute Minimum Risk Levels (MRLs)	Created as a screening tool for the human health assessment of acute airborne concentrations of contaminants	Accepted for use
OSHA[5]	Permissible Exposure Limits (PELs)	Enforceable standards for occupational exposure (industrial workers) - carry the weight of law	Determined to be inadequate
NIOSH[6]	Recommended Exposure Levels (RELs), Short Term Exposure Limits (STELs)	Recommended exposure limits for occupational exposures -not enforceable	Determined to be inadequate
ACGIH[7]	Threshold Limit Values (TLVs), , Short Term Exposure Limits (STELs)	Recommended exposure limits for occupational exposure derived through annual consensus of non-governmental organization - not enforceable	Determined to be inadequate

[1] California EPA Office of Environmental Health Hazard Assessment
[2]American Industrial Hygiene Association
[3]Department of Energy
[4]Agency for Toxic Substances and Disease Registry
[5]Occupational Safety and Health Administration
[6]National Institute of Occupational Safety and Health
[7]American Conference of Governmental Industrial Hygienists

Table 4-2
Task 1- 1 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	44	4022
Benzene	27	4022
Nickel	102	4022

Table 4-3
Task 2- Episode 1, 1 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	12	4022
Benzene	13	4022
Nickel	16	4022

Table 4-4
Task 2- Episode 1, 24 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	7	4022
Benzene	1	4022
Nickel	124	4022

Table 4-5
Task 2- Episode 2, 1 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	11	4022
Nickel	15	4022

Table 4-6
Task 2- Episode 2, 24 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	10	4022
Benzene	2	4022
Nickel	52	4022

Table 4-7
Task 2- Episode 3, 1 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	11	4022
Benzene	2	4022
Nickel	18	4022

Table 4-8
Task 2- Episode 3, 24 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	9	4022
Benzene	2	4022
Nickel	109	4022

Table 4-9
Task 2- Episode 4, 1 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	9	4022
Benzene	8	4022
Nickel	27	4022

Table 4-10
Task 2- Episode 4, 24 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	7	4022
Benzene	7	4022
Nickel	79	4022

Table 4-11
Task 2- Episode 5, 1 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	9	4022
Nickel	13	4022

Table 4-12
Task 2- Episode 5, 24 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	4	4022
Benzene	2	4022
Nickel	54	4022

Table 4-13
Task 2- Episode 6, 1 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	5	4022
Nickel	6	4022

Table 4-14
Task 2- Episode 6, 24 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	6	4022
Benzene	2	4022
Nickel	30	4022

Table 4-15
Task 2- Episode 7, 1 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	9	4022
Benzene	2	4022
Nickel	19	4022

Table 4-16
Task 2- Episode 7, 24 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	7	4022
Benzene	2	4022
Nickel	130	4022

Table 4-17
Task 2- Episode 8, 1 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	9	4022
Benzene	3	4022
Nickel	15	4022

Table 4-18
Task 2- Episode 8, 24 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	7	4022
Benzene	2	4022
Nickel	37	4022

Table 4-19
Task 2- Episode 9, 1 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	4	4022
Nickel	5	4022

Table 4-20
Task 2- Episode 9, 24 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	1	4022
Benzene	1	4022
Nickel	25	4022

Table 4-21
Task 2- Episode 10, 1 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	11	4022
Benzene	3	4022
Nickel	20	4022

Table 4-22
Task 2- Episode 10, 24 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	6	4022
Benzene	1	4022
Nickel	147	4022

Table 4-23
Task 3 - 1 Hour Data
Screening Results

Contaminant	Number of Exceedances	Total Number of Modeled Data
Arsenic	44	4022
Benzene	17	4022
Nickel	103	4022

Table 4-24
Ratio of Maximum Modeled Concentrations to Selected Acute Screening Levels

Modeling Task	Contaminant	Maximum Detected Concentration	Selected Acute Screening Levels	Ratio of Maximum Concentration to Screening Value
Task 1	arsenic	1.52E+00	1.90E-01	7.98E+00
	benzene	5.16E+03	1.30E+03	3.97E+00
	nickel	7.56E+01	6.00E+00	1.26E+01
Task 2-Episode 1 1 hour	arsenic	1.19E+00	1.90E-01	6.28E+00
	benzene	1.65E+03	1.30E+03	1.27E+00
	nickel	5.96E+01	6.00E+00	9.93E+00
Task 2-Episode 1 24 hour	arsenic	1.09E-01	3.17E-02	3.42E+00
	benzene	5.41E+02	1.60E+02	3.38E+00
	nickel	5.21E+00	2.50E-01	2.08E+01
Task 2-Episode 2 1 hour	arsenic	6.84E-01	1.90E-01	3.60E+00
	nickel	3.41E+01	6.00E+00	5.69E+00
Task 2-Episode 2 24 hour	arsenic	1.35E-01	3.17E-02	4.25E+00
	nickel	6.65E+00	2.50E-01	2.66E+01
	benzene	3.33E+02	1.60E+02	2.08E+00
Task 2-Episode 3 1 hour	arsenic	4.14E-01	1.90E-01	2.18E+00
	benzene	1.51E+03	1.30E+03	1.16E+00
	nickel	2.06E+01	6.00E+00	3.43E+00
Task 2-Episode 3 24 hour	arsenic	1.05E-01	3.17E-02	3.33E+00
	benzene	6.13E+02	1.60E+02	3.83E+00
	nickel	5.20E+00	2.50E-01	2.08E+01
Task 2-Episode 4 1 hour	arsenic	4.74E-01	1.90E-01	2.50E+00
	benzene	3.86E+03	1.30E+03	2.97E+00
	nickel	2.36E+01	6.00E+00	3.93E+00
Task 2-Episode 4 24 hour	arsenic	9.13E-02	3.17E-02	2.88E+00
	benzene	6.01E+02	1.60E+02	3.76E+00
	nickel	4.46E+00	2.50E-01	1.79E+01
Task 2-Episode 5 1 hour	arsenic	5.30E-01	1.90E-01	2.79E+00
	nickel	2.63E+01	6.00E+00	4.38E+00
Task 2-Episode 5 24 hour	arsenic	7.90E-02	3.17E-02	2.49E+00
	benzene	2.46E+02	1.60E+02	1.54E+00
	nickel	3.92E+00	2.50E-01	1.57E+01
Task 2-Episode 6 1 hour	arsenic	3.74E-01	1.90E-01	1.97E+00
	nickel	1.78E+01	6.00E+00	2.96E+00
Task 2-Episode 6 24 hour	arsenic	6.87E-02	3.17E-02	2.17E+00
	benzene	3.34E+02	1.60E+02	2.08E+00
	nickel	3.38E+00	2.50E-01	1.35E+01
Task 2-Episode 7 1 hour	arsenic	4.89E-01	1.90E-01	2.57E+00
	benzene	1.68E+03	1.30E+03	1.29E+00
	nickel	2.44E+01	6.00E+00	4.07E+00
Task 2-Episode 7 24 hour	arsenic	1.44E-01	3.17E-02	4.55E+00
	benzene	4.97E+02	1.60E+02	3.11E+00
	nickel	7.06E+00	2.50E-01	2.83E+01

Table 4-24
Ratio of Maximum Modeled Concentrations to Selected Acute Screening Levels

Modeling Task	Contaminant	Maximum Detected Concentration	Selected Acute Screening Levels	Ratio of Maximum Concentration to Screening Value
Task 2-Episode 8 1 hour	arsenic	7.51E-01	1.90E-01	3.95E+00
	benzene	1.53E+03	1.30E+03	1.18E+00
	nickel	3.75E+01	6.00E+00	6.24E+00
Task 2-Episode 8 24 hour	arsenic	1.08E-01	3.17E-02	3.42E+00
	benzene	3.26E+02	1.60E+02	2.04E+00
	nickel	5.36E+00	2.50E-01	2.14E+01
Task 2-Episode 9 1 hour	arsenic	7.79E-01	1.90E-01	4.10E+00
	nickel	3.85E+01	6.00E+00	6.42E+00
Task 2-Episode 9 24 hour	arsenic	3.37E-02	3.17E-02	1.06E+00
	benzene	3.46E+02	1.60E+02	2.16E+00
	nickel	1.65E+00	2.50E-01	6.60E+00
Task 2-Episode 10 1 hour	arsenic	7.10E-01	1.90E-01	3.74E+00
	benzene	2.14E+03	1.30E+03	1.65E+00
	nickel	3.54E+01	6.00E+00	5.90E+00
Task 2-Episode 10 24 hour	arsenic	1.18E-01	3.17E-02	3.73E+00
	benzene	3.54E+02	1.60E+02	2.21E+00
	nickel	5.71E+00	2.50E-01	2.28E+01
Task 3	arsenic	1.52E+00	1.90E-01	7.98E+00
	benzene	4.26E+03	1.30E+03	3.28E+00
	nickel	7.56E+01	6.00E+00	1.26E+01