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1.0 SOURCE IDENTIFICATION

1.1 Source

Clean Harbors Services, Inc.  
11800 South Stony Island Avenue  
Chicago, Illinois 60617  
773/646-6202

I.D. No.: 031600BTE  
Standard Industrial Classification: 4953, Refuse Systems

1.2 Owner/Parent Company

Clean Harbors Services, Inc.  
11800 South Stony Island Avenue  
Chicago, Illinois 60617

1.3 Operator

Clean Harbors Services, Inc.  
11800 South Stony Island Avenue  
Chicago, Illinois 60617

James Laubsted/Compliance Manager  
773/646-6202

1.4 General Source Description

The Clean Harbors Services, Inc. is located at 11800 South Stony Island Avenue, in Chicago. The source is a RCRA Part B Hazardous Waste Transfer, Storage and Disposal Facility. Clean Harbors utilizes a variety of waste handling operations to treat hazardous and non-hazardous wastes onsite, and to store/transfer hazardous wastes, including treatment residuals for approved offsite reuse, treatment and/or disposal. Wastes are typically received and shipped in bulk tanker, rolloff, railcar and container form, (e.g. 55-Gallon Drum) and may be gaseous, liquid, semisolid and/or solid in nature.

2.0 LIST OF ABBREVIATIONS/ACRONYMS USED IN THIS PERMIT

Act	Illinois Environmental Protection Act [415 ILCS 5/1 et seq.]
AP-42	Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Other Sources (and Supplements A through F), USEPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711
ATU	Allotment Trading Unit
Btu	British thermal unit
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAAPP	Clean Air Act Permit Program
CAM	Compliance Assurance Monitoring
CAS	Chemical Abstract Service
CO	Carbon Monoxide
CFR	Code of Federal Regulations
ERMS	Emissions Reduction Market System
Ft <sup>3</sup>	Cubic Feet
Gal	Gallon
HAP	Hazardous Air Pollutant
hr	hour
IAC	Illinois Administrative Code
I.D. No.	Identification Number of Source, assigned by Illinois EPA
Illinois EPA	Illinois Environmental Protection Agency
°K	Degrees Kelvin
kPa	Kilopascals
kg	Kilograms
kW	Kilowatts
l	liters
lb	Pound
ILCS	Illinois Compiled Statutes
MBtu	Million British thermal units
Mg	Megagrams
MW	Megawatts
mmHg	Millimeters of Mercury
mmscf	Million standard cubic feet
mo	Month
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO <sub>x</sub>	Nitrogen Oxides
NSPS	New Source Performance Standards
psia	pounds per square inch absolute
PM	Particulate Matter
PM <sub>10</sub>	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
ppm	parts per million
PSD	Prevention of Significant Deterioration
RMP	Risk Management Plan
SIP	State Implementation Plan
SO <sub>2</sub>	Sulfur Dioxide
T1	Title I - identifies Title I conditions that have been carried over from an existing permit

T1N	Title I New - identifies Title I conditions that are being established in this permit
T1R	Title I Revised - identifies Title I conditions that have been carried over from an existing permit and subsequently revised in this permit
USEPA	United States Environmental Protection Agency
VOL	Volatile Organic Liquid
VOM	Volatile Organic Material
yr	Year

### 3.0 INSIGNIFICANT ACTIVITIES

#### 3.1 Identification of Insignificant Activities

The following activities at the source constitute insignificant activities as specified in 35 IAC 201.210:

- 3.1.1 Activities determined by the Illinois EPA to be insignificant activities, pursuant to 35 IAC 201.210(a) (1) and 201.211, as follows:

Natural gas fired boilers/steam generators under 10 mmBtu/hr

- 3.1.2 Activities that are insignificant activities based upon maximum emissions, pursuant to 35 IAC 201.210(a) (2) or (a) (3), as follows:

Bulking of non-hazardous solid waste  
Bulk solids storage pad  
Railcar unloading area  
Waste water treatment apparatus, parts washer  
Waste water treatment apparatus, inorganic hood

- 3.1.3 Activities that are insignificant activities based upon their type or character, pursuant to 35 IAC 201.210(a) (4) through (18), as follows:

Direct combustion units designed and used for comfort heating purposes and fuel combustion emission units as follows: (A) Units with a rated heat input capacity of less than 2.5 MBtu/hr that fire only natural gas, propane, or liquefied petroleum gas; (B) Units with a rated heat input capacity of less than 1.0 MBtu/hr that fire only oil or oil in combination with only natural gas, propane, or liquefied petroleum gas; and (C) Units with a rated heat input capacity of less than 200,000 Btu/hr which never burn refuse, or treated or chemically contaminated wood [35 IAC 201.210(a) (4)].

Storage tanks of any size containing virgin or re-refined distillate oil, hydrocarbon condensate from natural gas pipeline or storage systems, lubricating oil, or residual fuel oils [35 IAC 201.210(a) (11)].

Gas turbines and stationary reciprocating internal combustion engines of between 112 kW and 1,118 kW (150 and 1,500 horsepower) power output that are emergency or standby units [35 IAC 201.210(a) (16)].

Storage tanks of any size containing exclusively soaps, detergents, surfactants, glycerin, waxes, vegetable oils, greases, animal fats, sweeteners,

corn syrup, aqueous salt solutions, or aqueous caustic solutions, provided an organic solvent has not been mixed with such materials [35 IAC 201.210(a)(17)].

3.1.4 Activities that are considered insignificant activities pursuant to 35 IAC 201.210(b).

### 3.2 Compliance with Applicable Requirements

Insignificant activities are subject to applicable requirements notwithstanding status as insignificant activities. In particular, in addition to regulations of general applicability, such as 35 IAC 212.301 and 212.123 (Condition 5.2.2), the Permittee shall comply with the following requirements, as applicable:

3.2.1 For each cold cleaning degreaser, the Permittee shall comply with the applicable equipment and operating requirements of 35 IAC 215.182, 218.182, or 219.182.

3.2.2 For each particulate matter process emission unit, the Permittee shall comply with the applicable particulate matter emission limit of 35 IAC 212.321 or 212.322. For example, the particulate matter emissions from a process emission unit shall not exceed 0.55 pounds per hour if the emission unit's process weight rate is 100 pounds per hour or less, pursuant to 35 IAC 266.110.

3.2.3 For each organic material emission unit that uses organic material, e.g., a mixer or printing line, the Permittee shall comply with the applicable VOM emission limit of 35 IAC 215.301, 218.301, or 219.301, which requires that organic material emissions not exceed 8.0 pounds per hour or do not qualify as photochemically reactive material as defined in 35 IAC 211.4690.

### 3.3 Addition of Insignificant Activities

3.3.1 The Permittee is not required to notify the Illinois EPA of additional insignificant activities present at the source of a type that is identified in Condition 3.1, until the renewal application for this permit is submitted, pursuant to 35 IAC 201.212(a).

3.3.2 The Permittee must notify the Illinois EPA of any proposed addition of a new insignificant activity of a type addressed by 35 IAC 201.210(a) and 201.211 other than those identified in Condition 3.1, pursuant to Section 39.5(12)(b) of the Act.

3.3.3 The Permittee is not required to notify the Illinois EPA of additional insignificant activities present at the source of a type identified in 35 IAC 201.210(b).

4.0 SIGNIFICANT EMISSION UNITS AT THIS SOURCE

Emission Unit	Description	Date Constructed	Emission Control Equipment
Receiving Pits	Four (4) 7,000 Gallon receiving pits		None
Reactors	Two (2) 6,000 Gallon oil/water separators (0003)		Dual Bed Carbon Adsorber (Control 0001)
Primary Settling Tank	200,000 Gallon settling tank (0006)		
Mixing Tank	400,000 Gallon mixing tank (0007)		
Effluent Discharge Tank	175,000 Gallon effluent discharge tank (0012)		
Chemical Treatment Unit	Chemical treatment unit (0008)		None
Sludge Concentration Tank	200,000 Gallon concentration tank (0010)		None
Gravitators	Four (4) 3,000 Gallon Gravitator		None
Secondary Treatment System	Secondary treatment system (0023)		None
Floor Pit	15,000 Gallon floor pit (0028)		None
Lamella Clarifiers	Three (3) lamella clarifiers (0037)		None
Pretreatment Reactors	Three (3) pretreatment reactors (0001)		Packed Tower Scrubber (Control 0002)
Recessed Plate Filter Press	Recessed plate filter press (0011)		None
Recessed Plate Filter Press and Tank	Recessed plate filter press and tank (0013)		None
Wastewater Storage Tanks	Four (4) 500,000 Gallon Wastewater Storage Tanks (0055)		None
Sludge Conditioning Tank	30,000 Gallon Sludge Conditioning Tank (0067)		None
Filter Tanks	Two (2) 1,300 Gallon Filter Tanks (0070)		None
Plate and Frame Filter Presses	Two (2) Plate and Frame Filter Presses (0071)		None
Filtrate Tanks	Two (2) 11,000 Gallon Filtrate Tanks (0072)		None
Oil Collection Tank	6,000 Gallon Oil Collection Tank (0004)		None
Cuff/Emulsion Tank	6,000 Gallon Cuff/Emulsion Tank (0005)		None

Emission Unit	Description	Date Constructed	Emission Control Equipment
Containerized Waste Storage Area	Containerized waste storage area (0016)		None
Outdoor Container Storage Area	Outdoor container storage area (0020)		None
Flammable Storage Building Number 26	Flammable storage building number 26 (0049)		4 Bed Carbon Adsorber (Control 0009)
Fume Hoods	Fume Hoods 1 and 2 (0049)		
Hazardous Waste Container Building 25	Hazardous waste container building 25 (0050)		None
Hazardous Waste Container Handling Dock	Hazardous waste container handling dock (0051)		None
Roll off Container Storage Area	Roll off container storage area (0031)		None
Hazardous Waste Truck Pad	Hazardous waste truck pad (0052)		None
Inside and Outside Lab Pack Hoods	Inside and outside lab pack hoods (0036)		None
Fume Hoods	Fume hoods 1, 2 and 3 (0050)		None
Reactor Tank 321	15,000 Gallon reactor tank (0056)		Packed Bed Scrubbers (Control 0011 and 0012)
Filtrate Collection Tank 307	15,000 Gallon filtrate collection tank (0058)		None
Multimedia Filter	Multimedia filter (0059)		None
Dirty Backwash Tank	25,000 Gallon dirty backwash tank (0060)		None
Backwash Water Storage Tank 320	25,000 Gallon backwash water tank (0061)		None
Filtrate Collection Tank 322	15,000 Gallon filtrate collection tank (0062)		None
Carbon Unit	Carbon unit (0064)		None
Mixing and Storage Vats	Ten (10) mixing and storage vats (0022)		Dust Collector (Control 0006)
Roll off Pad for Empty Drums	Roll off pad for empty drums (0053)		None
Fuels Blending Operation	Fuels blending operation (0054)		4 Bed Carbon Adsorption System (Control 0010)

Emission Unit	Description	Date Constructed	Emission Control Equipment
Lime Silo	Lime silo (0018)		Vent Filter (Control 0005)
Portable Compactor	Portable compactor (0030)		Carbon Canisters (Control 0007)
Flammable Storage Tank Farm	Nine (9) 11,025-gallon tanks and one (1) 19,880-gallon tank (0038)		Dual Bed Carbon Adsorber (Control 0008)
Air Stripper	Air stripper (0063)		Dual Bed carbon Adsorber (Control 0013)
Wastewater Treatment Apparatus	Wastewater treatment apparatus (0025)		None
Non-Hazardous Waste Shredder	Non-Hazardous waste shredder		None
Hazardous Waste Shredder	Hazardous waste shredder		None
Metal Wash System	Metal wash system		None
Lab Pack Hoods	Lab pack hoods		Carbon System
Can and Glass Crusher	Can and glass crusher		Two Carbon Adsorption Units
Shredder and Compactor	Shredder and compactor		None
Mercury Treatment System	Mercury treatment system		None

## 5.0 OVERALL SOURCE CONDITIONS

### 5.1 Source Description

- 5.1.1 This permit is issued based on the source requiring a CAAPP permit as a major source of VOM and HAP emissions.
- 5.1.2 This permit is issued based on the source requiring a CAAPP permit because the source is subject to a standard, limitation, or other requirement under Section 111 (NSPS) or Section 112 (HAPs) of the CAA for which USEPA requires a CAAPP permit, or because the source is in a source category designated by the USEPA, pursuant to 40 CFR 70.3(a)(2), (3), and (5) (40 CFR 70.3 Applicability) [Section 39.5(2)(a)(ii) and (iv) of the Act].

### 5.2 Applicable Regulations

- 5.2.1 Specific emission units at this source are subject to particular regulations as set forth in Section 7 (Unit-Specific Conditions) of this permit.
- 5.2.2 In addition, emission units at this source are subject to the following regulations of general applicability:
  - a. No person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally overhead at a point beyond the property line of the source unless the wind speed is greater than 40.2 kilometers per hour (25 miles per hour), pursuant to 35 IAC 212.301 and 212.314.
  - b. No person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to the requirements of 35 IAC 212.122, pursuant to 35 IAC 212.123(a), except as allowed by 35 IAC 212.123(b) and 212.124.
- 5.2.3 Fugitive Particulate Matter Operating Program
  - a. This source shall be operated under the provisions of an operating program prepared by the Permittee and submitted to the Illinois EPA for its review. Such operating program shall be designed to significantly reduce fugitive particulate matter emissions [35 IAC 212.309(a)].
  - b. The operating program shall be amended from time to time by the Permittee so that the operating program is current. Such amendments shall be consistent with

the requirements set forth by this Condition and shall be submitted to the Illinois EPA [35 IAC 212.312].

- c. All normal traffic pattern roads and parking facilities located at this source shall be paved or treated with water, oils, or chemical dust suppressants. All paved areas shall be cleaned on a regular basis. All areas treated with water, oils, or chemical dust suppressants shall have the treatment applied on a regular basis, as needed, in accordance with the operating program [35 IAC 212.306].

#### 5.2.4 Ozone Depleting Substances

The Permittee shall comply with the standards for recycling and emissions reduction of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

#### 5.2.5 Risk Management Plan

Should this stationary source, as defined in 40 CFR Section 68.3, become subject to the Accidental Release Prevention regulations in 40 CFR Part 68, then the owner or operator shall submit [40 CFR 68.215(a)(2)(i) and (ii)]:

- a. A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR 68.10(a); or
- b. A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan (RMP), as part of the annual compliance certification required by 40 CFR Part 70 or 71.

#### 5.2.6 Future Applicable Regulations

- a. Should this stationary source become subject to a regulation under 40 CFR Parts 60, 61, or 63, or 35 IAC after the date issued of this permit, then the owner or operator shall, in accordance with the applicable regulation(s), comply with the applicable requirements by the date(s) specified and shall certify compliance with the applicable requirements of such regulation(s) as part of the annual compliance certification, as required by 40 CFR Part 70 or 71.
- b. No later than upon the submittal for renewal of this permit, the owner or operator shall submit, as part of an application, the necessary information to address either the non-applicability of, or demonstrate compliance with all applicable requirements of any potentially applicable regulation which was promulgated after the date issued of this permit.

#### 5.2.7 Episode Action Plan

- a. If the source is required to have an episode action plan pursuant to 35 IAC 244.142, the Permittee shall maintain at the source and have on file with the Illinois EPA a written episode action plan (plan) for reducing the levels of emissions during yellow alerts, red alerts, and emergencies, consistent with safe operating procedures. The plan shall contain the information specified in 35 IAC 244.144.
- b. The Permittee shall immediately implement the appropriate steps described in this plan should an air pollution alert or emergency be declared.
- c. If a change occurs at the source which requires a revision of the plan (e.g., operational change, change in the source contact person), a copy of the revised plan shall be submitted to the Illinois EPA for review within 30 days of the change. Such plans shall be further revised if disapproved by the Illinois EPA.
- d. For sources required to have a plan pursuant to 35 IAC 244.142, a copy of the original plan and any subsequent revisions shall be sent to:
  - i. Illinois EPA, Compliance Section; and

- ii. For sources located in Cook County and outside of the city of Chicago: Cook County Department of Environmental Control; or
- iii. For sources located within the city of Chicago: Chicago Department of Environmental Control.

5.2.8 PM<sub>10</sub> Contingency Measure Plan

Should this stationary source, as defined in 35 IAC 212.700, become subject to the requirement to prepare and submit a contingency measure plan reflecting the PM<sub>10</sub> emission reductions as set forth in 35 IAC 212.703, then the owner or operator shall submit such plan to the Illinois EPA for review and approval within ninety (90) days after the date this source becomes subject to this requirement. Such plan will be incorporated by reference into this permit and shall be implemented in accordance with 35 IAC 212.704. The source shall comply with the applicable requirements of 35 IAC Part 212, Subpart U, incorporated herein by reference.

5.3 Non-Applicability of Regulations of Concern

None

5.4 Source-Wide Operational and Production Limits and Work Practices

In addition to the source-wide requirements in the Standard Permit Conditions in Section 9, the Permittee shall fulfill the following source-wide operational and production limitations and/or work practice requirements:

None

5.5 Source-Wide Emission Limitations

5.5.1 Permitted Emissions for Fees

The annual emissions from the source, not considering insignificant activities as addressed by Section 3.0 of this permit, shall not exceed the following limitations. The overall source emissions shall be determined by adding emissions from all emission units. Compliance with these limits shall be determined on a calendar year basis. These limitations (Condition 5.5.1) are set for the purpose of establishing fees and are not federally enforceable.

Permitted Emissions of Regulated Pollutants

Pollutant	Tons/Year
Volatile Organic Material (VOM)	-----
Sulfur Dioxide (SO <sub>2</sub> )	66.20
Particulate Matter (PM)	39.80
Nitrogen Oxides (NO <sub>x</sub> )	9.70
HAP, not included in VOM or PM	34.20
TOTAL	149.90

5.5.2 Emissions of Hazardous Air Pollutants

Source-wide emission limitations for HAPs as listed in Section 112(b) of the CAA are not set. This source is considered to be a major source of HAPs.

5.5.3 Other Source-Wide Emission Limitations

Other source-wide emission limitations are not set for this source pursuant to either the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21, Illinois EPA rules for Major Stationary Sources Construction and Modification, 35 IAC Part 203, or Section 502(b)(10) of the CAA. However, there may be unit specific emission limitations set forth in Section 7 of this permit pursuant to these rules.

5.6 General Recordkeeping Requirements

5.6.1 Emission Records

The Permittee shall maintain records of the following items for the source to demonstrate compliance with Condition 5.5.1, pursuant to Section 39.5(7)(b) of the Act:

Total annual emissions on a calendar year basis for the emission units covered by Section 7 (Unit Specific Conditions) of this permit.

5.6.2 Records for Operating Scenarios

N/A

5.6.3 Retention and Availability of Records

- a. All records and logs required by this permit shall be retained for at least five years from the date of entry (unless a longer retention period is specified by the particular recordkeeping provision herein), shall be kept at a location at the source that is readily accessible to the Illinois EPA or USEPA, and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request.

- b. The Permittee shall retrieve and print, on paper during normal source office hours, any records retained in an electronic format (e.g., computer) in response to an Illinois EPA or USEPA request for records during the course of a source inspection.

5.7 General Reporting Requirements

5.7.1 General Source-Wide Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section of deviations with the permit requirements as follows, pursuant to Section 39.5(7)(f)(ii) of the Act. Reports shall describe the probable cause of such deviations, and any corrective actions or preventive measures taken.

5.7.2 Annual Emissions Report

The annual emissions report required pursuant to Condition 9.7 shall contain emissions information for the previous calendar year.

5.8 General Operational Flexibility/Anticipated Operating Scenarios

N/A

5.9 General Compliance Procedures

5.9.1 General Procedures for Calculating Emissions

Compliance with the source-wide emission limits specified in Condition 5.5 shall be based on the recordkeeping and reporting requirements of Conditions 5.6 and 5.7, and Compliance Procedures in Section 7 (Unit Specific Conditions) of this permit.

## 6.0 EMISSIONS REDUCTION MARKET SYSTEM (ERMS)

### 6.1 Description of ERMS

The ERMS is a "cap and trade" market system for major stationary sources located in the Chicago ozone nonattainment area. It is designed to reduce VOM emissions from stationary sources to contribute to reasonable further progress toward attainment, as required by Section 182(c) of the CAA.

The ERMS addresses VOM emissions during a seasonal allotment period from May 1 through September 30. Once the ERMS begins, participating sources must hold "allotment trading units" (ATUs) for their actual seasonal VOM emissions. Each year participating sources are issued ATUs based on allotments set during initial issuance of the sources' CAAPP permits. These allotments are established from historical VOM emissions or "baseline emissions" lowered to provide the emissions reductions from stationary sources required for reasonable further progress.

By December 31 of each year, the end of the reconciliation period following the seasonal allotment period, each source should have sufficient ATUs in its transaction account to cover its actual VOM emissions during the preceding season. A transaction account's balance as of December 31 will include any valid ATU transfer agreements entered into as of December 31 of the given year, provided such agreements are promptly submitted to the Illinois EPA for entry into the transaction account database. The Illinois EPA will then retire ATUs in sources' transaction accounts in amounts equivalent to their seasonal emissions. When a source does not appear to have sufficient ATUs in its transaction account, the Illinois EPA will issue a notice to the source to begin the process for Emissions Excursion Compensation.

In addition to receiving ATUs pursuant to their allotments, participating sources may also obtain ATUs from the market, including ATUs bought from other participating sources and general participants in the ERMS that hold ATUs (35 IAC 205.630) and ATUs issued by the Illinois EPA as a consequence of VOM emissions reductions from an Emissions Reduction Generator or an Intersector Transaction (35 IAC 205.500 and 35 IAC 205.510). During the reconciliation period, sources may also buy ATUs from a secondary reserve of ATUs managed by the Illinois EPA, the "Alternative Compliance Market Account" (ACMA) (35 IAC 205.710). Sources may also transfer or sell the ATUs that they hold to other sources or participants (35 IAC 205.630).

### 6.2 Applicability

Emissions of VOM from the source during the seasonal allotment period from May 1 through September 30 of each year shall not exceed 15 tons, not including VOM emissions from insignificant emission units and activities as identified in Section 3 of this permit. This limitation is established at the request of the

source to exempt it from the requirements of 35 IAC Part 205, Emissions Reduction Market System (ERMS), pursuant to 35 IAC 205.205.

### 6.3 Recordkeeping and Reporting

- a. The Permittee shall maintain the following records to determine compliance with the above limitation:
  - i. Records of operating data and other information for each individual emission unit or group of related emission units at the source, as specified in Sections 5 and 7 of this permit, as appropriate, to determine actual VOM emissions during the seasonal allotment period;
  - ii. Records of the VOM emissions, in tons, during the seasonal allotment period, with supporting calculations, for each individual emission unit or group of related emission units at the source, determined in accordance with the procedures specified in Sections 5 and 7 of this permit; and
  - iii. Total VOM emissions from the source, in tons, during each seasonal allotment period.
- b. The Permittee shall submit the seasonal emissions component of the Annual Emissions Report by November 30 of each year, reporting actual emissions of VOM during the seasonal allotment period, in accordance with 35 IAC 205.205(b) and 35 IAC 205.300.
- c. In the event that the source's VOM emissions during the seasonal allotment period exceed 15 tons, the source shall no longer be exempt from the ERMS and beginning with the following seasonal allotment period, shall comply with 35 IAC Part 205, by holding allotment trading units (ATUs) for its VOM emissions during each seasonal allotment period.

7.0 UNIT SPECIFIC CONDITIONS

7.1 Hazardous Waste Transfer, Storage and Disposal Facility

7.1.1 Description

The source is a RCRA Part B Hazardous Waste Transfer, Storage and Disposal Facility. Clean Harbors utilizes a variety of waste handling operations to treat hazardous and non-hazardous wastes onsite, and to store/transfer hazardous wastes, including treatment residuals for approved offsite reuse, treatment and/or disposal. Wastes are typically received and shipped in bulk tanker, rolloff, railcar and container form, (e.g. 55-Gallon Drum) and may be gaseous, liquid, semisolid and/or solid in nature.

7.1.2 List of Emission Units and Air Pollution Control Equipment

Emission Unit	Description	Emission Control Equipment
Receiving Pits	Four (4) 7,000 Gallon receiving pits	None
Reactors	Two (2) 6,000 Gallon oil/water separators (0003)	Dual Bed Carbon Adsorber (Control 0001)
Primary Settling Tank	200,000 Gallon settling tank (0006)	
Mixing Tank	400,000 Gallon mixing tank (0007)	
Effluent Discharge Tank	175,000 Gallon effluent discharge tank (0012)	
Chemical Treatment Unit	Chemical treatment unit (0008)	None
Sludge Concentration Tank	200,000 Gallon concentration tank (0010)	None
Gravitators	Four (4) 3,000 Gallon Gravitator	None
Secondary Treatment System	Secondary treatment system (0023)	None
Floor Pit	15,000 Gallon floor pit (0028)	None
Lamella Clarifiers	Three (3) lamella clarifiers (0037)	None
Pretreatment Reactors	Three (3) pretreatment reactors (0001)	Packed Tower Scrubber (Control 0002)
Recessed Plate Filter Press	Recessed plate filter press (0011)	None

Emission Unit	Description	Emission Control Equipment
Recessed Plate Filter Press and Tank	Recessed plate filter press and tank (0013)	None
Wastewater Storage Tanks	Four (4) 500,000 Gallon Wastewater Storage Tanks (0055)	None
Sludge Conditioning Tank	30,000 Gallon Sludge Conditioning Tank (0067)	None
Filter Tanks	Two (2) 1,300 Gallon Filter Tanks (0070)	None
Plate and Frame Filter Presses	Two (2) Plate and Frame Filter Presses (0071)	None
Filtrate Tanks	Two (2) 11,000 Gallon Filtrate Tanks (0072)	None
Oil Collection Tank	6,000 Gallon Oil Collection Tank (0004)	None
Cuff/Emulsion Tank	6,000 Gallon Cuff/Emulsion Tank (0005)	None
Containerized Waste Storage Area	Containerized waste storage area (0016)	None
Outdoor Container Storage Area	Outdoor container storage area (0020)	None
Flammable Storage Building Number 26	Flammable storage building number 26 (0049)	4 Bed Carbon Adsorber (Control 0009)
Fume Hoods	Fume Hoods 1 and 2 (0049)	
Hazardous Waste Container Building 25	Hazardous waste container building 25 (0050)	None
Hazardous Waste Container Handling Dock	Hazardous waste container handling dock (0051)	None
Roll off Container Storage Area	Roll off container storage area (0031)	None
Hazardous Waste Truck Pad	Hazardous waste truck pad (0052)	None
Inside and Outside Lab Pack Hoods	Inside and outside lab pack hoods (0036)	None
Fume Hoods	Fume hoods 1, 2 and 3 (0050)	None

Emission Unit	Description	Emission Control Equipment
Reactor Tank 321	15,000 Gallon reactor tank (0056)	Packed Bed Scrubbers (Control 0011 and 0012)
Filtrate Collection Tank 307	15,000 Gallon filtrate collection tank (0058)	None
Multimedia Filter	Multimedia filter (0059)	None
Dirty Backwash Tank	25,000 Gallon dirty backwash tank (0060)	None
Backwash Water Storage Tank 320	25,000 Gallon backwash water tank (0061)	None
Filtrate Collection Tank 322	15,000 Gallon filtrate collection tank (0062)	None
Carbon Unit	Carbon unit (0064)	None
Mixing and Storage Vats	Ten (10) mixing and storage vats (0022)	Dust Collector (Control 0006)
Roll off Pad for Empty Drums	Roll off pad for empty drums (0053)	None
Fuels Blending Operation	Fuels blending operation (0054)	4 Bed Carbon Adsorption System (Control 0010)
Lime Silo	Lime silo (0018)	Vent Filter (Control 0005)
Portable Compactor	Portable compactor (0030)	Carbon Canisters (Control 0007)
Flammable Storage Tank Farm	Nine (9) 11,025-gallon tanks and one (1) 19,880-gallon tank (0038)	Dual Bed Carbon Adsorber (Control 0008)
Air Stripper	Air stripper (0063)	Dual Bed carbon Adsorber (Control 0013)
Wastewater Treatment Apparatus	Wastewater treatment apparatus (0025)	None
Non-Hazardous Waste Shredder	Non-Hazardous waste shredder	None
Hazardous Waste Shredder	Hazardous waste shredder	None
Metal Wash System	Metal wash system	None
Lab Pack Hoods	Lab pack hoods	Carbon System

Emission Unit	Description	Emission Control Equipment
Can and Glass Crusher	Can and glass crusher	Two Carbon Adsorption Units
Shredder and Compactor	Shredder and compactor	None
Mercury Treatment System	Mercury treatment system	None

### 7.1.3 Applicability Provisions and Applicable Regulations

- a. The "affected facility" for the purpose of these unit-specific conditions, is the Hazardous Waste Transfer, Storage and Disposal Facility described in Condition 7.1.1 and 7.1.2.
- b. The affected facility is subject to the emission limits identified in Condition 5.2.2.
- c. The affected facility is subject to 40 CFR 63 Subpart DD – National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations.
- d. The affected facility is subject to 35 IAC 218 Subpart TT – Other Emission Units.
- e. The affected facility's emission units are subject to 35 IAC 218.301, which provides that:

No person shall cause or allow the discharge of more than 3.6 Kg/Hr (8 Lb/Hr) of organic material into the atmosphere from any emission unit, except as provided in the following exception: If no odor nuisance exists the limitation of this Condition shall apply only to photochemically reactive material [35 IAC 218.301].
- f. The affected facility's emission units constructed or modified on or after April 14, 1972 are subject to 35 IAC 212.321(a), which provides that:

No person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in subsection (c) of 35 IAC 212.321 (See also Attachment 10.2) [35 IAC 212.321(a)].

7.1.4 Non-Applicability of Regulations of Concern

None

7.1.5 Operational and Production Limits and Work Practices

- a. At all times the Permittee shall, to the extent practicable, maintain and operate the equipment, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions.
- b. The total daily throughput of liquid waste shall not exceed 150,000 gallons.
- c. Liquid waste concentration shall not exceed the following limits. Liquid waste with concentration greater than these limits shall not be accepted:

Liquid Waste	Concentration (ppm)
Copper	150,000
Zinc	180,000
Nickel	150,000
Chrome	250,000
Lead	150,000
Arsenic	10,000
Barium	10,000
Cadmium	10,000
Iron	200,000
Selenium	10,000
Silver	10,000
Free Cyanide	1,000

- d. The glass and can crusher carbon adsorption unit shall use Illinois EPA and USEPA approved continuous monitoring equipment which is installed, calibrated, maintained and operated according to vendor specifications at all times the unit is in use. The monitoring equipment shall monitor the VOM concentration of each carbon adsorption bed exhaust or the exhaust of the bed next in sequence, with strip chart recorder or disk storage of concentration data.

Each carbon adsorption bed shall be replaced at such intervals where the carbon is proven to be saturated via the readings obtained by the monitoring equipment.

- e. The emission capture and control equipment shall achieve an overall reduction in uncontrolled VOM emissions of at least 81 percent from the non-hazardous waste shredder [35 IAC 218.986(a)].
  - i. The carbon beds shall be in operation at all times when the affected shredder is in operation and emitting contaminants.
  - ii. The Permittee shall follow good operating practices for the carbon beds, including periodic inspection, routine maintenance and prompt repair of defects.

The Permittee shall follow a work practice plan that minimizes emissions such that the requirements of 35 IAC 218.986(a) shall be met. Such plan shall contain but is not limited to the following:

- iii. The Permittee shall load only one drum per load; and
  - iv. The Permittee shall keep containers closed during periods of time when the non-hazardous waste shredder is not operating.
- f. For each emission unit subject to 35 IAC 218 Subpart TT - Other Emission Units, the Permittee shall follow the Control Requirements under 35 IAC 218.986.

#### 7.1.6 Emission Limitations

In addition to Condition 5.2.2 and the source wide emission limitations in Condition 5.5, the affected emission units are subject to the following:

- a. Emissions from drum storage and dock, storage pad, truck staging area, truck to truck transfer dock, drum crushing and compaction, flammable truck staging area, rail car unloading area, truck unloading platform, flammable storage tank farm (Nine 11,025-gallon tanks and one 19,880-gallon tank) controlled with 2 bed carbon adsorption system, building #25 and #26 and five fume hoods, container handling dock, truck pad (unloading), roll off pad for empty drums, fuels blending operation controlled with 4 bed carbon adsorption system, 4 - 500,000 gallon wastewater storage tanks, organic wastewater treatment system including, Reactor 321 controlled with packed scrubber, precoat vacuum filter, filtrate collection tank, multimedia filter, dirty backwash tank, backwash water storage tank, filtrate collection tank 322, air stripper controlled with 2 carbon adsorption system, carbon unit; inorganic listed wastewater

treatment system including Reactors 1, 2 and 3 controlled with packed scrubber, sludge conditioning tank, drum and lab pack consolidation tank, lab pack pour-off hood, 2 filter tanks, 2 plate and frame filter presses, 2 filtrate tanks, the FRP tank, and two lamella clarifiers shall not exceed the following limits:

Emissions from each affected unit			
VOM Emissions		PM Emissions	
Lb/Hr	Ton/Yr	Lb/Hr	Ton/Yr
0.1	0.44	0.1	0.44

These limits are based on the information provided in the application. [T1].

The above limitations were established in Permit 94100016, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- b. Emissions from each of the affected pretreatment reactors shall not exceed the following limits:

Emission Unit	Ammonia Emissions		Sulfur Dioxide Emissions	
	Lb/Hr	Ton/Yr	Lb/Hr	Ton/Yr
Pretreatment Reactor	6.0	26.2	7.5	32.8

These limits are based on the information provided in the permit application which specifies a maximum operating rate for ammoniated wastewater and chromium waste to be 8340 lb/hr and 21,000 lb/hr respectively. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total) [T1].

The above limitations were established in Permit 94100016, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- c. Emissions from the containerized waste storage areas shall not exceed the following limits:

VOM Emissions from each affected unit	
Lb/Hr	Ton/Yr
0.1	0.44

These limits are based on the information provided in the application. [T1].

The above limitations were established in Permit 83120017, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- d. Emissions from the solids bulking operation shall not exceed the following limits:

PM Emissions from each affected unit	
Lb/Hr	Ton/Yr
0.1	0.44

These limits are based on the information provided in the application. [T1].

The above limitations were established in Permit 83120017, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- e. Emissions from the lime silo shall not exceed the following limits:

PM Emissions	
Lb/Hr	Ton/Yr
4.1	9.0

This limit is based on the maximum amount of emissions allowed from the lime silo at the maximum operating time given in the permit application. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total) [T1].

The above limitations were established in Permit 83120017, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not

constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- f. Emissions from the ten (10) mixing and storage vats shall not exceed the following limits.

PM Emissions from each affected unit	
Lb/Hr	Ton/Yr
0.1	0.44

These limits are based on the information provided in the application. [T1].

The above limitations were established in Permit 83120017, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- g. Emissions from the secondary treatment system shall not exceed the following limits:

Emissions of each contaminant, i.e. VOM, PM, SO <sub>2</sub> (Ton/Yr)
0.1

These limits are based on the information provided in the application. [T1].

The above limitations were established in Permit 83120017, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- h. Emissions from the wastewater treatment apparatus consisting of one labpack pouroff hood, 2 scrubber feed tanks, etc. shall not exceed the following limits:

These limits are based on the information provided in the application. [T1].

VOM Emissions from each affected unit	
Lb/Hr	Ton/Yr
0.1	0.44

The above limitations were established in Permit 83120017, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- i. Emissions from the 10,000 gallon sludge feed tank and recessed plate filter press shall not exceed the following limits:

VOM Emissions (Ton/Yr)
0.1

These limits are based on the information provided in the application. [T1].

The above limitations were established in Permit 83120017, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- j. Emissions from the lamella clarifier shall not exceed the following limits:

Emission Unit	VOM Emissions		PM Emissions	
	Lb/Hr	Ton/Yr	Lb/Hr	Ton/Yr
Lamella Clarifier	0.05	0.22	0.05	0.22

These limits are based on the information provided in the application. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total) [T1].

The above limitations were established in Permit 83120017, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- k. Emissions from the hazardous waste shredding system controlled by carbon system, metal wash system and tank farm controlled by carbon system, shredder drum storage area, and tanker/roll-off pad shall not exceed the following limits:

Emissions from each affected unit			
VOM Emissions*		PM Emissions	
Lb/Hr	Ton/Yr	Lb/Hr	Ton/Yr
0.1	0.44	0.1	0.44

\*Note: Pursuant to 35 IAC 211.4250, acetone is not an organic material.

These limits are based on the information provided in the application. [T1].

The above limitations were established in Permit 00120039, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

1. Emissions from the non-hazardous waste shredder shall not exceed the following:

VOM Emissions		PM Emissions	
Ton/Mo	Ton/Yr	Ton/Mo	Ton/Yr
0.1	0.53	0.2	1.80

These limits are based on the information provided in the application. [T1].

The above limitations were established in Permit 02080041, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- m. Emissions from the lab pack hoods shall not exceed the following limits:

VOM Emissions	
Lb/Hr	Ton/Yr
0.1	0.44

These limits are based on the information provided in the application. [T1].

The above limitations were established in Permit 93050005, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- n. Emissions from the FRP tank, two lamella clarifiers, two plate and frame filter presses, three storage tanks, two filtrate tanks and the mixing tank shall not exceed the following limits:

Emissions from each affected unit			
VOM Emissions		PM Emissions	
Lb/Hr	Ton/Yr	Lb/Hr	Ton/Yr
0.1	0.44	0.1	0.44

These limits are based on the information provided in the application. [T1].

The above limitations were established in Permit 96120021, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- o. Emissions from the alkaline LP pour-off hood shall not exceed the following limits:

Throughput		PM Emissions		Fugitive	Control Efficiency
Lb/Hr	Ton/Yr	Lb/Hr	Ton/Yr	(%)	(%)
250	1,095	1.25	5.5	10	95.0

These limits are based on full-time operation of 8,760 hr/yr, density, and maximum throughput of each type of material as described in the permit application. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total) [T1].

The above limitations were established in Permit 99100045, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- p. Emissions from the Truck Pad 25, solids LP Pour-Off Hood and Acid and Flammable LP Pour-Off Hoods shall not exceed the following limits:

Emissions from each affected unit			
VOM Emissions		PM Emissions	
Lb/Hr	Ton/Yr	Lb/Hr	Ton/Yr
0.1	0.44	0.1	0.44

These limits are based on full-time operation of 8,760 hr/yr, density, and maximum throughput of each type of material as described in the permit application. Fugitive emission rates for Acid and Flammable LP's are based on the standard AP-42 working loss emission formula for organic liquid storage tanks. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total) [T1].

The above limitations were established in Permit 99100045, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- q. Emissions from the can and glass crusher with two carbon adsorption units shall not exceed the following limits:

VOM Emissions	
Lb/Hr	Ton/Yr
0.1	0.44

These limits are based on the information provided in the application. [T1].

The above limitations were established in Permit 99040079, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- r. Emissions from the non-hazardous drum storage and bulking pad shall not exceed the following limits:

VOM Emissions		PM Emissions	
Lb/Hr	Ton/Yr	Lb/Hr	Ton/Yr
0.1	0.44	0.1	0.44

These limits are based on the information provided in the application. [T1].

The above limitations were established in Permit 92100067, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- s. Emissions from the shredder and compactor shall not exceed the following limits:

VOM Emissions		NO <sub>x</sub> Emissions	
Lb/Hr	Ton/Yr	Lb/Hr	Ton/Yr
0.1	0.44	0.1	0.44

These limits are based on the information provided in the application. [T1].

The above limitations were established in Permit 91090060, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- t. Emissions from the outdoor container storage area shall not exceed the following limits:

VOM Emissions	
Lb/Hr	Ton/Yr
0.1	0.44

These limits are based on the information provided in the application. [T1].

The above limitations were established in Permit 90020016, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

- u. Emissions from the mercury treatment system including treatment tank, holding tank and an ion exchange column shall not exceed the following limits:

PM Emissions		SO <sub>2</sub> Emissions	
Lb/Hr	Ton/Yr	Lb/Hr	Ton/Yr
0.1	0.44	0.1	0.44

Mercury Emissions		Chromium Emissions	
Lb/Hr	Lb/Yr	Lb/Hr	Lb/Yr
0.001	10	0.001	10

These limits are based on the information provided in the application. [T1].

The above limitations were established in Permit 91090060, pursuant to 35 IAC Part 203. These limits ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to Title I of the CAA, specifically 35 IAC Part 203 [T1].

#### 7.1.7 Testing Requirements

- a. The Permittee shall perform all applicable testing for the affected facility as specified by 40 CFR 63.694.
- b. Within 90 days of a written request from the Illinois EPA, the Permittee shall perform emissions and/or performance tests specified by the Illinois EPA. [40 CFR 60.8(a) and 35 IAC 201.282] The Illinois EPA may provide additional time for the performance on these tests upon written request by the Permittee.
- c. When in the opinion of the Agency it is necessary to conduct testing to demonstrate compliance with 35 IAC 218.986, the owner or operator of a VOM emission unit subject to the requirements of 35 IAC 218.986 shall, at his own expense, conduct such tests in accordance with the applicable test methods and procedures specified in 35 IAC 218.105 [35 IAC 218.988].

#### 7.1.8 Monitoring Requirements

- a. The Permittee shall perform all applicable monitoring for the affected facility as specified in 40 CFR 63.695.

#### 7.1.9 Recordkeeping Requirements

In addition to the records required by Condition 5.6, the Permittee shall maintain records of the following items for the affected facility to demonstrate compliance with Conditions 5.5.1, 7.1.3, 7.1.5 and 7.1.6, pursuant to Section 39.5(7)(b) of the Act:

- a. The Permittee shall retain all applicable records for the affected facility as specified by 40 CFR 63.696.
- b. Lab analysis of as-received waste.
- c. Wastewater pretreatment on an annual basis (gallons/year) by waste type.
- d. The Permittee shall collect and maintain the following information for the can and glass crusher:

- i. Number and volume of drums for collection of waste.
  - ii. Amount of waste solvent collected in gallons/month and gallons/year.
  - iii. VOM emissions in pounds/month and tons/year.
  - iv. Equipment operation, including the replacement of carbon adsorption units and strip charts or disk storage of monitoring equipment records.
- e. The Permittee shall collect and maintain the following information for the non-hazardous waste shredder controlled by carbon beds:
- i. Control device monitoring data.
  - ii. A log of operating time for the capture system, control device, monitoring equipment and the associated emission source.
  - iii. A maintenance log for the capture system, control device and monitoring equipment detailing all routine and non-routine maintenance performed including dates and duration of any outages.
  - iv. The type of material shredded.
  - v. The actual VOM concentration in the waste materials, or the potential VOM concentration with supporting documentation.
  - vi. Emissions of particulate matter and volatile organic material (tons/month and tons/year) with supporting calculations.
- f. The Permittee shall collect and maintain the records required in 35 IAC 218 Subpart UU: Recordkeeping and Reporting.
- g. Monthly and annual production/throughput rates for each emission unit.
- h. Monthly and annual aggregate HAP, VOM, CO, PM, SO<sub>2</sub> and NO<sub>x</sub> emissions.

#### 7.1.10 Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section of deviations of the affected facility with the permit requirements as follows, pursuant to Section 39.5(7)(f)(ii) of the Act. Reports shall describe the probable cause of such deviations, and any corrective actions or preventive measures taken:

- a. The Permittee shall submit all applicable reports for the affected facility as specified in 40 CFR 63.697.
- b. The Permittee shall submit all applicable reports as specified in 35 IAC 218 Subpart UU: Recordkeeping and Reporting.

7.1.11 Operational Flexibility/Anticipated Operating Scenarios

N/A

7.1.12 Compliance Procedures

- a. Compliance with Conditions 5.5.1, 7.1.3 and 7.1.6 shall be determined using the appropriate recordkeeping requirements in Condition 7.1.9, along with either standard factors from USEPA's Compilation of Air Pollutant Emission Factors, AP-42 or material balance.
- b. Compliance with Condition 7.1.3(c) shall be based on the recordkeeping requirements in Condition 7.1.9 and the compliance procedures in 40 CFR 63 Subpart DD – National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations.

7.1.13 Compliance Schedules

- a. The Permittee was sent Violation Notices A-2001-00317 and A-2002-00208 by the Illinois EPA for allegedly not being in compliance with 35 IAC 201.302, 35 IAC 254.132 35 IAC 218 Subpart TT, 40 CFR 63 Subpart DD and PP, permits 83120017 and 94100016. There is insufficient data to demonstrate that the Permittee is in compliance with the above regulations and permits. Therefore, the permit shield in Section 8.1 does not shield the Permittee from possible enforcement actions initiated by either USEPA or the Illinois EPA involving the above named emission units or activities. The Permittee shall, if needed, apply for revision of this permit to address the resolution of any such outstanding issue (e.g., include a new compliance schedule, identify appropriate applicable requirements, establish new requirements).
- b. The Permittee shall comply with the following schedule of compliance to address compliance with the alleged violations of 35 IAC 218.105(d) (2) (A):

Milestone Timing: The Permittee shall submit a plan for Illinois EPA, Compliance Section approval to achieve full compliance with the alleged violations.

The submittal shall include FORM 294-CAAPP. The plan shall be submitted no later than 90 days from the date issued of this permit. The plan shall reflect the date on which full compliance shall be achieved and interval milestones (e.g., purchase, installation, testing...). The Permittee shall achieve full compliance with all requirements resulting from resolution of enforcement issues regarding the alleged violations no later than any schedule established pursuant to resolution of any pending or future enforcement action pertaining to the alleged violations. Excluding any supplementary schedule established pursuant to any pending or future enforcement action, actions on the part of the Illinois EPA will not count against any schedule included in the plan.

c. Submittal of Progress Reports

A Progress Report shall be submitted every three months, beginning three months from the date of issuance of this permit and ending upon the achievement of compliance. The Progress Report shall contain at least the following:

- i. The required timeframe for achieving the milestones in the schedule for compliance, and actual dates when such milestones were achieved.
- ii. An explanation of why any required timeframe in the schedule of compliance was not met, and any preventive or corrective measures adopted.

## 8.0 GENERAL PERMIT CONDITIONS

### 8.1 Permit Shield

Pursuant to Section 39.5(7)(j) of the Act, the Permittee has requested and has been granted a permit shield. This permit shield provides that compliance with the conditions of this permit shall be deemed compliance with applicable requirements which were applicable as of the date the proposed permit for this source was issued, provided that either the applicable requirements are specifically identified within this permit, or the Illinois EPA, in acting on this permit application, has determined that other requirements specifically identified are not applicable to this source and this determination (or a concise summary thereof) is included in this permit.

This permit shield does not extend to applicable requirements which are promulgated after September 25, 2003 (the date of issuance of the draft permit) unless this permit has been modified to reflect such new requirements.

### 8.2 Applicability of Title IV Requirements (Acid Deposition Control)

This source is not an affected source under Title IV of the CAA and is not subject to requirements pursuant to Title IV of the CAA.

### 8.3 Emissions Trading Programs

No permit revision shall be required for increases in emissions allowed under any USEPA approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for elsewhere in this permit and that are authorized by the applicable requirement [Section 39.5(7)(o)(vii) of the Act].

### 8.4 Operational Flexibility/Anticipated Operating Scenarios

#### 8.4.1 Changes Specifically Addressed by Permit

Physical or operational changes specifically addressed by the Conditions of this permit that have been identified as not requiring Illinois EPA notification may be implemented without prior notice to the Illinois EPA.

#### 8.4.2 Changes Requiring Prior Notification

The Permittee is authorized to make physical or operational changes that contravene express permit terms without applying for or obtaining an amendment to this permit, provided that [Section 39.5(12)(a)(i) of the Act]:

- a. The changes do not violate applicable requirements;

- b. The changes do not contravene federally enforceable permit terms or conditions that are monitoring (including test methods), recordkeeping, reporting, or compliance certification requirements;
- c. The changes do not constitute a modification under Title I of the CAA;
- d. Emissions will not exceed the emissions allowed under this permit following implementation of the physical or operational change; and
- e. The Permittee provides written notice to the Illinois EPA, Division of Air Pollution Control, Permit Section, at least 7 days before commencement of the change. This notice shall:
  - i. Describe the physical or operational change;
  - ii. Identify the schedule for implementing the physical or operational change;
  - iii. Provide a statement of whether or not any New Source Performance Standard (NSPS) is applicable to the physical or operational change and the reason why the NSPS does or does not apply;
  - iv. Provide emission calculations which demonstrate that the physical or operational change will not result in a modification; and
  - v. Provide a certification that the physical or operational change will not result in emissions greater than authorized under the Conditions of this permit.

#### 8.5 Testing Procedures

Tests conducted to measure composition of materials, efficiency of pollution control devices, emissions from process or control equipment, or other parameters shall be conducted using standard test methods. Documentation of the test date, conditions, methodologies, calculations, and test results shall be retained pursuant to the recordkeeping procedures of this permit. Reports of any tests conducted as required by this permit or as the result of a request by the Illinois EPA shall be submitted as specified in Condition 8.6.

## 8.6 Reporting Requirements

### 8.6.1 Monitoring Reports

If monitoring is required by any applicable requirements or conditions of this permit, a report summarizing the required monitoring results, as specified in the conditions of this permit, shall be submitted to the Air Compliance Section of the Illinois EPA every six months as follows [Section 39.5(7)(f) of the Act]:

<u>Monitoring Period</u>	<u>Report Due Date</u>
January - June	September 1
July - December	March 1

All instances of deviations from permit requirements must be clearly identified in such reports. All such reports shall be certified in accordance with Condition 9.9.

### 8.6.2 Test Notifications

Unless otherwise specified elsewhere in this permit, a written test plan for any test required by this permit shall be submitted to the Illinois EPA for review at least 60 days prior to the testing pursuant to Section 39.5(7)(a) of the Act. The notification shall include at a minimum:

- a. The name and identification of the affected unit(s);
- b. The person(s) who will be performing sampling and analysis and their experience with similar tests;
- c. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of maximum emissions and the means by which the operating parameters for the source and any control equipment will be determined;
- d. The specific determination of emissions and operation which are intended to be made, including sampling and monitoring locations;
- e. The test method(s) which will be used, with the specific analysis method, if the method can be used with different analysis methods;
- f. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with justification; and

- g. Any proposed use of an alternative test method, with detailed justification.

#### 8.6.3 Test Reports

Unless otherwise specified elsewhere in this permit, the results of any test required by this permit shall be submitted to the Illinois EPA within 60 days of completion of the testing. The test report shall include at a minimum [Section 39.5(7)(e)(i) of the Act]:

- a. The name and identification of the affected unit(s);
- b. The date and time of the sampling or measurements;
- c. The date any analyses were performed;
- d. The name of the company that performed the tests and/or analyses;
- e. The test and analytical methodologies used;
- f. The results of the tests including raw data, and/or analyses including sample calculations;
- g. The operating conditions at the time of the sampling or measurements; and
- h. The name of any relevant observers present including the testing company's representatives, any Illinois EPA or USEPA representatives, and the representatives of the source.

#### 8.6.4 Reporting Addresses

- a. The following addresses should be utilized for the submittal of reports, notifications, and renewals:
  - i. Illinois EPA - Air Compliance Section  
Illinois Environmental Protection Agency  
Bureau of Air  
Compliance Section (MC 40)  
P.O. Box 19276  
Springfield, Illinois 62794-9276
  - ii. Illinois EPA - Air Regional Field Office  
Illinois Environmental Protection Agency  
Division of Air Pollution Control  
9511 West Harrison  
Des Plaines, Illinois 60016

iii. Illinois EPA - Air Permit Section (MC 11)

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Permit Section  
P.O. Box 19506  
Springfield, Illinois 62794-9506

iv. USEPA Region 5 - Air Branch

USEPA (AE - 17J)  
Air & Radiation Division  
77 West Jackson Boulevard  
Chicago, Illinois 60604

- b. Unless otherwise specified in the particular provision of this permit, reports shall be sent to the Illinois EPA - Air Compliance Section with a copy sent to the Illinois EPA - Air Regional Field Office.

#### 8.7 Obligation to Comply with Title I Requirements

Any term, condition, or requirement identified in this permit by T1, T1R, or T1N is established or revised pursuant to 35 IAC Part 203 or 40 CFR 52.21 ("Title I provisions") and incorporated into this permit pursuant to both Section 39.5 and Title I provisions. Notwithstanding the expiration date on the first page of this permit, the Title I conditions remain in effect pursuant to Title I provisions until the Illinois EPA deletes or revises them in accordance with Title I procedures.

## 9.0 STANDARD PERMIT CONDITIONS

### 9.1 Effect of Permit

9.1.1 The issuance of this permit does not release the Permittee from compliance with State and Federal regulations which are part of the Illinois State Implementation Plan, as well as with other applicable statutes and regulations of the United States or the State of Illinois or applicable ordinances, except as specifically stated in this permit and as allowed by law and rule [Section 39.5(7)(j)(iv) of the Act].

9.1.2 In particular, this permit does not alter or affect the following:

- a. The provisions of Section 303 (emergency powers) of the CAA, including USEPA's authority under that Section;
- b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
- c. The applicable requirements of the acid rain program consistent with Section 408(a) of the CAA; and
- d. The ability of USEPA to obtain information from a source pursuant to Section 114 (inspections, monitoring, and entry) of the CAA.

9.1.3 Notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements.

### 9.2 General Obligations of Permittee

#### 9.2.1 Duty to Comply

The Permittee must comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the CAA and the Act, and is grounds for any or all of the following: enforcement action, permit termination, revocation and reissuance, modification, or denial of a permit renewal application [Section 39.5(7)(o)(i) of the Act].

The Permittee shall meet applicable requirements that become effective during the permit term in a timely manner unless an alternate schedule for compliance with the applicable requirement is established.

9.2.2 Duty to Maintain Equipment

The Permittee shall maintain all equipment covered under this permit in such a manner that the performance or operation of such equipment shall not cause a violation of applicable requirements.

9.2.3 Duty to Cease Operation

No person shall cause, threaten or allow the continued operation of any emission unit during malfunction or breakdown of the emission unit or related air pollution control equipment if such operation would cause a violation of an applicable emission standard, regulatory requirement, ambient air quality standard or permit limitation unless such malfunction or breakdown is allowed by a permit condition [Section 39.5(6)(c) of the Act].

9.2.4 Disposal Operations

The source shall be operated in such a manner that the disposal of air contaminants collected by the equipment operations, or activities shall not cause a violation of the Act or regulations promulgated thereunder.

9.2.5 Duty to Pay Fees

The Permittee must pay fees to the Illinois EPA consistent with the fee schedule approved pursuant to Section 39.5(18) of the Act, and submit any information relevant thereto [Section 39.5(7)(o)(vi) of the Act]. The check should be payable to "Treasurer, State of Illinois" and sent to: Fiscal Services Section, Illinois Environmental Protection Agency, P.O. Box 19276, Springfield, Illinois 62794-9276.

9.3 Obligation to Allow Illinois EPA Surveillance

Upon presentation of proper credentials and other documents, the Permittee shall allow the Illinois EPA, or an authorized representative to perform the following [Section 39.5(7)(a) and (p)(ii) of the Act and 415 ILCS 5/4]:

- a. Enter upon the Permittee's premises where an actual or potential emission unit is located; where any regulated equipment, operation, or activity is located or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

- c. Inspect during hours of operation any sources, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- d. Sample or monitor any substances or parameters at any location:
  - i. At reasonable times, for the purposes of assuring permit compliance; or
  - ii. As otherwise authorized by the CAA, or the Act.
- e. Obtain and remove samples of any discharge or emission of pollutants authorized by this permit; and
- f. Enter and utilize any photographic, recording, testing, monitoring, or other equipment for the purposes of preserving, testing, monitoring, or recording any activity, discharge or emission at the source authorized by this permit.

#### 9.4 Obligation to Comply With Other Requirements

The issuance of this permit does not release the Permittee from applicable State and Federal laws and regulations, and applicable local ordinances addressing subjects other than air pollution control.

#### 9.5 Liability

##### 9.5.1 Title

This permit shall not be considered as in any manner affecting the title of the premises upon which the permitted source is located.

##### 9.5.2 Liability of Permittee

This permit does not release the Permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the sources.

##### 9.5.3 Structural Stability

This permit does not take into consideration or attest to the structural stability of any unit or part of the source.

9.5.4 Illinois EPA Liability

This permit in no manner implies or suggests that the Illinois EPA (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the source.

9.5.5 Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege [Section 39.5(7) (o) (iv) of the Act].

9.6 Recordkeeping

9.6.1 Control Equipment Maintenance Records

A maintenance record shall be kept on the premises for each item of air pollution control equipment. As a minimum, this record shall show the dates of performance and nature of preventative maintenance activities.

9.6.2 Records of Changes in Operation

A record shall be kept describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under this permit, and the emissions resulting from those changes [Section 39.5(12) (b) (iv) of the Act].

9.6.3 Retention of Records

- a. Records of all monitoring data and support information shall be retained for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit [Section 39.5(7) (e) (ii) of the Act].
- b. Other records required by this permit shall be retained for a period of at least 5 years from the date of entry unless a longer period is specified by a particular permit provision.

9.7 Annual Emissions Report

The Permittee shall submit an annual emissions report to the Illinois EPA, Compliance Section no later than May 1 of the following year, as required by 35 IAC Part 254.

## 9.8 Requirements for Compliance Certification

Pursuant to Section 39.5(7)(p)(v) of the Act, the Permittee shall submit annual compliance certifications. The compliance certifications shall be submitted no later than May 1 or more frequently as specified in the applicable requirements or by permit condition. The compliance certifications shall be submitted to the Air Compliance Section, Air Regional Field Office, and USEPA Region 5 - Air Branch. The addresses for the submittal of the compliance certifications are provided in Condition 8.6.4 of this permit.

- a. The certification shall include the identification of each term or condition of this permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, both currently and over the reporting period consistent with the conditions of this permit.
- b. All compliance certifications shall be submitted to USEPA Region 5 in Chicago as well as to the Illinois EPA.
- c. All compliance reports required to be submitted shall include a certification in accordance with Condition 9.9.

## 9.9 Certification

Any document (including reports) required to be submitted by this permit shall contain a certification by a responsible official of the Permittee that meets the requirements of Section 39.5(5) of the Act [Section 39.5(7)(p)(i) of the Act]. An example Certification by a Responsible Official is included as an attachment to this permit.

## 9.10 Defense to Enforcement Actions

### 9.10.1 Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit [Section 39.5(7)(o)(ii) of the Act].

### 9.10.2 Emergency Provision

- a. An emergency shall be an affirmative defense to an action brought for noncompliance with the technology-based emission limitations under this permit if the following conditions are met through properly signed, contemporaneous operating logs, or other relevant evidence:

- i. An emergency occurred as provided in Section 39.5(7)(k) of the Act and the Permittee can identify the cause(s) of the emergency. Normally, an act of God such as lightning or flood is considered an emergency;
  - ii. The permitted source was at the time being properly operated;
  - iii. The Permittee submitted notice of the emergency to the Illinois EPA within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
  - iv. During the period of the emergency the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission limitations, standards, or regulations in this permit.
- b. This provision is in addition to any emergency or upset provision contained in any applicable requirement. This provision does not relieve a Permittee of any reporting obligations under existing federal or state laws or regulations.

#### 9.11 Permanent Shutdown

This permit only covers emission units and control equipment while physically present at the indicated source location(s). Unless this permit specifically provides for equipment relocation, this permit is void for the operation or activity of any item of equipment on the date it is removed from the permitted location(s) or permanently shut down. This permit expires if all equipment is removed from the permitted location(s), notwithstanding the expiration date specified on this permit.

#### 9.12 Reopening and Reissuing Permit for Cause

##### 9.12.1 Permit Actions

This permit may be modified, reopened, and reissued, for cause pursuant to Section 39.5(15) of the Act. The filing of a request by the Permittee for a permit modification, revocation, and reissuance, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition [Section 39.5(7)(o)(iii) of the Act].

#### 9.12.2 Reopening and Revision

This permit must be reopened and revised if any of the following occur [Section 39.5(15) (a) of the Act]:

- a. Additional requirements become applicable to the equipment covered by this permit and three or more years remain before expiration of this permit;
- b. Additional requirements become applicable to an affected source for acid deposition under the acid rain program;
- c. The Illinois EPA or USEPA determines that this permit contains a material mistake or inaccurate statement when establishing the emission standards or limitations, or other terms or conditions of this permit; and
- d. The Illinois EPA or USEPA determines that this permit must be revised to ensure compliance with the applicable requirements of the Act.

#### 9.12.3 Inaccurate Application

The Illinois EPA has issued this permit based upon the information submitted by the Permittee in the permit application. Any misinformation, false statement or misrepresentation in the application shall be grounds for revocation under Section 39.5(15) (b) of the Act.

#### 9.12.4 Duty to Provide Information

The Permittee shall furnish to the Illinois EPA, within a reasonable time specified by the Illinois EPA any information that the Illinois EPA may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to the Illinois EPA copies of records required to be kept by this permit, or for information claimed to be confidential, the Permittee may furnish such records directly to USEPA along with a claim of confidentiality [Section 39.5(7) (o) (v) of the Act].

#### 9.13 Severability Clause

The provisions of this permit are severable, and should any one or more be determined to be illegal or unenforceable, the validity of the other provisions shall not be affected. The rights and obligations of the Permittee shall be construed and enforced as if this permit did not contain the particular provisions held to be invalid and the applicable requirements underlying these provisions shall remain in force [Section 39.5(7) (i) of the Act].

#### 9.14 Permit Expiration and Renewal

The right to operate terminates on the expiration date unless the Permittee has submitted a timely and complete renewal application. For a renewal to be timely it must be submitted no later than 9 and no sooner than 12 months prior to expiration. The equipment may continue to operate during the renewal period until final action is taken by the Illinois EPA, in accordance with the original permit conditions [Section 39.5(5)(1), (n), and (o) of the Act].

10.0 ATTACHMENTS

10.1 Attachment 1 Emissions of Particulate Matter from New Process Emission Units

10.1.1 Process Emission Units for Which Construction or Modification Commenced On or After April 14, 1972

- a. No person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in subsection (c) of 35 IAC 212.321 [35 IAC 212.321(a)].
- b. Interpolated and extrapolated values of the data in subsection (c) of 35 IAC 212.321 shall be determined by using the equation [35 IAC 212.321(b)]:

$$E = A(P)^B$$

where:

P = Process weight rate; and  
E = Allowable emission rate; and,

- i. Up to process weight rates of 408 Mg/hr (450 TON/hr):

	Metric	English
P	Mg/hr	Ton/hr
E	kg/hr	lb/hr
A	1.214	2.54
B	0.534	0.534

- ii. For process weight rate greater than or equal to 408 Mg/hr (450 Ton/hr):

	Metric	English
P	Mg/hr	Ton/hr
E	kg/hr	lb/hr
A	11.42	24.8
B	0.16	0.16

- c. Limits for Process Emission Units For Which Construction or Modification Commenced On or After April 19, 1972 [35 IAC 212.321(c)]:

Metric		English	
P	E	P	E
Mg/hr	kg/hr	Ton/hr	lb/hr
0.05	0.25	0.05	0.55
0.1	0.29	0.10	0.77
0.2	0.42	0.2	1.10
0.3	0.64	0.30	1.35
0.4	0.74	0.40	1.58
0.5	0.84	0.50	1.75
0.7	1.00	0.75	2.40
0.9	1.15	1.00	2.60
1.8	1.66	2.00	3.70
2.7	2.1	3.00	4.60
3.6	2.4	4.00	5.35
4.5	2.7	5.00	6.00
9.0	3.9	10.00	8.70
13.0	4.8	15.00	10.80
18.0	5.7	20.00	12.50
23.0	6.5	25.00	14.00
27.0	7.1	30.00	15.60
32.0	7.7	35.00	17.00
36.0	8.2	40.00	18.20
41.0	8.8	45.00	19.20
45.0	9.3	50.00	20.50
90.0	13.4	100.00	29.50
140.0	17.0	150.00	37.00
180.0	19.4	200.00	43.00
230.0	22.0	250.00	48.50
270.0	24.0	300.00	53.00
320.0	26.0	350.00	58.00
360.0	28.0	400.00	62.00
408.0	30.1	450.00	66.00
454.0	30.4	500.00	67.00

10.2 Attachment 2 Example Certification by a Responsible Official

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Official Title: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Date Signed: \_\_\_\_\_

### 10.3 Attachment 3 Guidance on Revising This Permit

The Permittee must submit an application to the Illinois EPA using the appropriate revision classification in accordance with Sections 39.5(13) and (14) of the Act and 35 IAC 270.302. Specifically, there are currently three classifications for revisions to a CAAPP permit. These are:

1. Administrative Permit Amendment;
2. Minor Permit Modification; and
3. Significant Permit Modification.

The Permittee must determine, request, and submit the necessary information to allow the Illinois EPA to use the appropriate procedure to revise the CAAPP permit. A brief explanation of each of these classifications follows.

1. Administrative Permit Amendment
  - Corrects typographical errors;
  - Identifies a change in the name, address, or phone number of any person identified in the permit, or provides a similar minor administrative change at the source;
  - Requires more frequent monitoring or reporting by the Permittee;
  - Allows for a change in ownership or operational control of the source where no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new Permittees has been submitted to the Illinois EPA;
  - Incorporates into the CAAPP permit a construction permit, provided the conditions of the construction permit meet the requirements for the issuance of CAAPP permits; or
  - Incorporates into the CAAPP permit revised limitations or other requirements resulting from the application of an approved economic incentives rule, marketable permits rule, or generic emissions trading rule.
2. Minor Permit Modification
  - Do not violate any applicable requirement;

- Do not involve significant changes to existing monitoring, reporting, or recordkeeping requirements in the permit;
- Do not require a case-by-case determination of an emission limitation or other standard, or a source-specific determination of ambient impacts, or a visibility or increment analysis;
- Do not seek to establish or change a permit term or condition for which there is no corresponding underlying requirement and which avoids an applicable requirement to which the source would otherwise be subject. Such terms and conditions include:
  - A federally enforceable emissions cap assumed to avoid classification as a modification under any provision of Title I of the CAA; and
  - An alternative emissions limit approved pursuant to regulations promulgated under Section 112(i)(5) of the CAA.
- Are not modifications under any provision of Title I of the CAA; and
- Are not required to be processed as a significant permit modification.

An application for a minor permit modification shall include the following:

- A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
- The source's suggested draft permit/conditions;
- Certification by a responsible official that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and
- Information as contained on form 271-CAAPP for the Illinois EPA to use to notify USEPA and affected States.

### 3. Significant Permit Modification

- Applications that do not qualify as either minor permit modifications or as administrative permit amendments;

- Applications requesting a significant change in existing monitoring permit terms or conditions;
- Applications requesting a relaxation of reporting or recordkeeping requirements; and
- Cases in which, in the judgment of the Illinois EPA, action on an application for modification would require decisions to be made on technically complex issues.

An application for a significant permit modification shall include the following:

- A detailed description of the proposed change(s), including all physical changes to equipment, changes in the method of operation, changes in emissions of each pollutant, and any new applicable requirements which will apply as a result of the proposed change. Note that the Permittee need only submit revised forms for equipment and operations that will be modified.

The Illinois EPA requires the information on the following appropriate forms to be submitted in accordance with the proper classification:

- Form 273-CAAPP, REQUEST FOR ADMINISTRATIVE PERMIT AMENDMENT FOR CAAPP PERMIT; or
- Form 271-CAAPP, MINOR PERMIT MODIFICATION FOR CAAPP PERMIT; or
- Form 200-CAAPP, APPLICATION FOR CAAPP PERMIT (for significant modification).

Application forms can be obtained from the Illinois EPA website at <http://www.epa.state.il.us/air/forms>.

Note that the request to revise the permit must be certified for truth, accuracy, and completeness by a responsible official.

Note that failure to submit the required information may require the Illinois EPA to deny the application. The Illinois EPA reserves the right to require that additional information be submitted as needed to evaluate or take final action on applications pursuant to Section 39.5(5)(g) of the Act and 35 IAC 270.305.



Illinois Environmental Protection Agency  
 Division Of Air Pollution Control -- Permit Section  
 P.O. Box 19506  
 Springfield, Illinois 62794-9506

<b>Application For Construction Permit (For CAAPP Sources Only)</b>	<b>For Illinois EPA use only</b>
	ID number:
	Permit number:
	Date received:

This form is to be used by CAAPP sources to supply information necessary to obtain a construction permit. Please attach other necessary information and completed CAAPP forms regarding this construction/modification project.

<b>Source Information</b>		
1. Source name:		
2. Source street address:		
3. City:	4. Zip code:	
5. Is the source located within city limits? <input type="checkbox"/> Yes <input type="checkbox"/> No		
6. Township name:	7. County:	8. ID number:

<b>Owner Information</b>		
9. Name:		
10. Address:		
11. City:	12. State:	13. Zip code:

<b>Operator Information (if different from owner)</b>		
14. Name		
15. Address:		
16. City:	17. State:	18. Zip code:

<b>Applicant Information</b>	
19. Who is the applicant? <input type="checkbox"/> Owner <input type="checkbox"/> Operator	20. All correspondence to: (check one) <input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Source
21. Attention name and/or title for written correspondence:	
22. Technical contact person for application:	23. Contact person's telephone number:

This Agency is authorized to require and you must disclose this information under 415 ILCS 5/39. Failure to do so could result in the application being denied and penalties under 415 ILCS 5 et seq. It is not necessary to use this form in providing this information. This form has been approved by the forms management center.

<b>Summary Of Application Contents</b>	
24. Does the application address whether the proposed project would constitute a new major source or major modification under each of the following programs: a) Non-attainment New Source Review – 35 IAC Part 203; b) Prevention of Significant Deterioration (PSD) – 40 CFR 52.21; c) Hazardous Air Pollutants: Regulations Governing Constructed or Reconstructed Major Sources – 40 CFR Part 63?	<input type="checkbox"/> Yes <input type="checkbox"/> No
25. Does the application identify and address all applicable emissions standards, including those found in the following: a) Board Emission Standards – 35 IAC Chapter I, Subtitle B; b) Federal New Source Performance Standards – 40 CFR Part 60; c) Federal Standards for Hazardous Air Pollutants – 40 CFR Parts 61 and 63?	<input type="checkbox"/> Yes <input type="checkbox"/> No
26. Does the application include a process flow diagram(s) showing all emission units and control equipment, and their relationship, for which a permit is being sought?	<input type="checkbox"/> Yes <input type="checkbox"/> No
27. Does the application include a complete process description for the emission units and control equipment for which a permit is being sought?	<input type="checkbox"/> Yes <input type="checkbox"/> No
28. Does the application include the information as contained in completed CAAPP forms for all appropriate emission units and air pollution control equipment, listing all applicable requirements and proposed exemptions from otherwise applicable requirements, and identifying and describing any outstanding legal actions by either the USEPA or the Illinois EPA? Note: The use of "APC" application forms is not appropriate for applications for CAAPP sources. CAAPP forms should be used to supply information.	<input type="checkbox"/> Yes <input type="checkbox"/> No
29. If the application contains TRADE SECRET information, has such information been properly marked and claimed, and have two separate copies of the application suitable for public inspection and notice been submitted, in accordance with applicable rules and regulations?	<input type="checkbox"/> Yes <input type="checkbox"/> No  <input type="checkbox"/> Not Applicable, No TRADE SECRET information in this application

Note 1: Answering "No" to any of the above may result in the application being deemed incomplete.

<b>Signature Block</b>	
This certification must be signed by a responsible official. Applications without a signed certification will be returned as incomplete.	
30. I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate and complete. Authorized Signature:	
BY:	_____
_____	_____
AUTHORIZED SIGNATURE	TITLE OF SIGNATORY
_____	_____/_____/_____
TYPED OR PRINTED NAME OF SIGNATORY	DATE

Note 2: An operating permit for the construction/modification permitted in a construction permit must be obtained by applying for the appropriate revision to the source's CAAPP permit, if necessary.

## 10.5 Attachment 5 Guidance on Renewing This Permit

Timeliness - Pursuant to Section 39.5(5)(n) of the Act and 35 IAC 270.301(d), a source must submit to the Illinois EPA a complete CAAPP application for the renewal of a CAAPP permit not later than 9 months before the date of permit expiration of the existing CAAPP permit in order for the submittal to be deemed timely. Note that the Illinois EPA typically sends out renewal notices approximately 18 months prior to the expiration of the CAAPP permit.

The CAAPP application must provide all of the following information in order for the renewal CAAPP application to be deemed complete by the Illinois EPA:

1. A completed renewal application form 200-CAAPP, APPLICATION FOR CAAPP PERMIT.
2. A completed compliance plan form 293-CAAPP, COMPLIANCE PLAN/SCHEDULE OF COMPLIANCE FOR CAAPP PERMIT.
3. A completed compliance certification form 296-CAAPP, COMPLIANCE CERTIFICATION, signed by the responsible official.
4. Any applicable requirements that became effective during the term of the permit and that were not included in the permit as a reopening or permit revision.
5. If this is the first time this permit is being renewed and this source has not yet addressed CAM, the application should contain the information on form 464-CAAPP, COMPLIANCE ASSURANCE MONITORING (CAM) PLAN.
6. Information addressing any outstanding transfer agreement pursuant to the ERMS.
7. a. If operations of an emission unit or group of emission units remain unchanged and are accurately depicted in previous submittals, the application may contain a letter signed by a responsible official that requests incorporation by reference of existing information previously submitted and on file with the Illinois EPA. This letter must also include a statement that information incorporated by reference is also being certified for truth and accuracy by the responsible official's signing of the form 200-CAAPP, APPLICATION FOR CAAPP PERMIT and the form 296-CAAPP, COMPLIANCE CERTIFICATION. The boxes should be marked yes on form 200-CAAPP, APPLICATION FOR CAAPP PERMIT, as existing information is being incorporated by reference.

- b. If portions of current operations are not as described in previous submittals, then in addition to the information above for operations that remain unchanged, the application must contain the necessary information on all changes, e.g., discussion of changes, new or revised CAAPP forms, and a revised fee form 292-CAAPP, FEE DETERMINATION FOR CAAPP PERMIT, if necessary.
8. Information about all off-permit changes that were not prohibited or addressed by the permit to occur without a permit revision and the information must be sufficient to identify all applicable requirements, including monitoring, recordkeeping, and reporting requirements, for such changes.
9. Information about all changes made under 40 CFR 70.4(b)(12)(i) and (ii) that require a 7-day notification prior to the change without requiring a permit revision.

The Illinois EPA will review all applications for completeness and timeliness. If the renewal application is deemed both timely and complete, the source shall continue to operate in accordance with the terms and conditions of its CAAPP permit until final action is taken on the renewal application.

Notwithstanding the completeness determination, the Illinois EPA may request additional information necessary to evaluate or take final action on the CAAPP renewal application. If such additional information affects your allowable emission limits, a revised form 292-CAAPP, FEE DETERMINATION FOR CAAPP PERMIT must be submitted with the requested information. The failure to submit to the Illinois EPA the requested information within the time frame specified by the Illinois EPA, may force the Illinois EPA to deny your CAAPP renewal application pursuant to Section 39.5 of the Act.

Application forms may be obtained from the Illinois EPA website at <http://www.epa.state.il.us/air/forms.html>.

If you have any questions regarding this matter, please contact a permit analyst at 217/782-2113.

Mail renewal applications to:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Permit Section (MC 11)  
P.O. Box 19506  
Springfield, Illinois 62794-9506

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