

217/782-2113

TITLE V - CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT  
and  
TITLE I PERMIT<sup>1</sup>

PERMITTEE

Incobrasa Industries, Ltd.  
Attn: Kerry Fogarty, Plant Manager  
540 East U.S. Highway 24  
Gilman, Illinois 60938

<u>Application No.:</u> 98070042	<u>I.D. No.:</u> 075810AAB
<u>Applicant's Designation:</u>	<u>Date Received:</u> July 15, 1998
<u>Operation of:</u> Soybean Extraction Plant	
<u>Date Issued:</u> November 25, 2002	<u>Expiration Date</u> <sup>2</sup> : November 25, 2007
<u>Source Location:</u> 540 East U.S. Highway 24, Gilman, Iroquois County	
<u>Responsible Official:</u> Kerry Fogarty, Plant Manager	

This permit is hereby granted to the above-designated Permittee to OPERATE a soybean extraction plant, pursuant to the above referenced permit application. This permit is subject to the conditions contained herein.

If you have any questions concerning this permit, please contact Jason Schnepf at 217/782-2113.

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

DES:JMS:jar

cc: Illinois EPA, FOS, Region 3

<sup>1</sup> This permit may contain terms and conditions which address the applicability, and compliance if determined applicable, of Title I of the CAA and regulations promulgated thereunder, including 40 CFR 52.21 - federal PSD and 35 IAC Part 203 - Major Stationary Sources Construction and Modification. Any such terms and conditions are identified within this permit.

<sup>2</sup> Except as provided in Condition 8.7 of this permit.

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1.0 SOURCE IDENTIFICATION

1.1 Source

Incobrasa Industries, LTD.  
540 East U.S. Highway 24  
Gilman, Illinois 60938  
219/489-2900

I.D. No.: 075810AAB  
Standard Industrial Classification: 2075, Soybean Oil Mills

1.2 Owner/Parent Company

Incobrasa Industries, LTD.  
540 East U.S. Highway 24  
Gilman, Illinois 60938

1.3 Operator

Incobrasa Industries, LTD.  
540 East U.S. Highway 24  
Gilman, Illinois 60938

Brian Nims, Plant Manager, 815/471-5800  
Rick Eshleman, Plant Manager, 815/471-5900  
Kerry Fogarty, Plant Manager, 815-471-5405

1.4 General Source Description

Incobrasa Industries, LTD. is located at 540 East U.S. Highway 24 in Gilman, Illinois. The source receives and processes soybeans for their vegetable oil production facility.

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
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
CFR	Code of Federal Regulations
DTDC	Desolventizer-Toaster-Dryer-Cooler
ERMS	Emissions Reduction Market System
Ft <sup>2</sup>	Square Feet
HAP	Hazardous Air Pollutant
hr	hour
IAC	Illinois Administrative Code
I.D. No.	Identification Number of Source, assigned by Illinois EPA
ILCS	Illinois Compiled Statutes
Illinois EPA	Illinois Environmental Protection Agency
kW	kilowatts
lb	pound
MACT	Maximum Achievable Control Technology
mph	Miles Per Hour
mmBtu	Million British thermal units
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO <sub>x</sub>	Nitrogen Oxides
NSPS	New Source Performance Standards
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
SCFM	Standard Cubic Feet per Minute
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
VOM	Volatile Organic Material

### 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:

Perlite/DE Day Tank  
Bleach Clay Silo

- 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:

Silica Bag Unloading  
Nickel Catalyst Bag Unloading  
Citric Acid Bag Unloading

- 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 mmBtu/hr that fire only natural gas, propane, or liquefied petroleum gas; (B) Units with a rated heat input capacity of less than 1.0 mmBtu/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)].

Equipment used for filling drums, pails, or other packaging containers, excluding aerosol cans, with soaps, detergents, surfactants, lubricating oils, waxes, vegetable oils, greases, animal fats, glycerin, sweeteners, corn syrup, aqueous salt solutions, or aqueous caustic solutions [35 IAC 201.210(a)(8)].

Storage tanks of organic liquids with a capacity of less than 10,000 gallons and an annual throughput of less than 100,000 gallons per year, provided the storage tank is not used for the storage of gasoline

or any material listed as a HAP pursuant to Section 112(b) of the CAA [35 IAC 201.210(a)(10)].

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/Precleaning	Rail and Truck Soybean Receiving, Handling, Pre-Cleaning and Bean Scale	1997	Filters
Bean Destoning	Bean Destoning, Storage, Scale	1997	Cyclone Dust Collectors, Filters
Bean Dehulling and Cracking	Bean Dehulling and Cracking	1997	Cyclone Dust Collectors, Filters
Flaking	Flaking	1997	Cyclone Dust Collectors, Filters
Soybean Meal Sizing System	Soybean Meal Sizing System	1997	Filter
Hull Pelleting	Hull Pelleting	1997	Filter
Hull Grinding	Hull Grinding	1997	Filter
Kaolin Tank	Kaolin Tank	1997	Filter
Loadout and Storage	Loadout and Storage	1997	Filter
Extraction, DTDC, Distillation	Extraction, DTDC, Distillation	1997	Mineral Oil Absorber, Cyclone Dust Collectors
Boilers	96.0 mmBtu/hr Natural Gas Fired Boiler; 10 mmBtu/hr Refinery Boiler	1997	None
Grain Dryers	7.0 mmBtu/hr Natural Gas Fired Dryers	1997	None
Storage Tanks	Hexane Storage Tanks	1997	None
Oil Refinery Hotwell	Oil Refinery Hotwell	2001	Mineral Oil Scrubbing System, Filters
Fugitive PM Emissions	Paved and Unpaved Roadways	----	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, PM and HAP emissions.

### 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.

Compliance with this requirement is considered to be assured by the inherent nature of operations at this source, as demonstrated by historical operation.

- 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 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.

#### 5.2.4 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.

- 5.2.5 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.

#### 5.2.6 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.

### 5.3 Non-Applicability of Regulations of Concern

5.3.1 This permit is issued based on the source not being subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the source is subject to a NESHAP proposed after November 15, 1990, pursuant to 40 CFR 64.2(b)(1)(i).

### 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)	350.29
Sulfur Dioxide (SO <sub>2</sub> )	0.06
Particulate Matter (PM)	129.15
Nitrogen Oxides (NO <sub>x</sub> )	14.38
HAP, not included in VOM or PM	----
Total	493.88

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 General Records for Fugitive Emissions from Road Dust

- a. The Permittee shall maintain a record of the maximum aggregate annual emissions of fugitive PM from the traffic areas at the source (i.e., road dust) estimated based on the applicable emission factors and formulas specified by Condition 5.9.2, with supporting calculations, so as to demonstrate compliance with the limits in Condition 5.5.
- b. This record shall be updated upon construction of additional roadways or parking areas or other permanent change to the source that alters the maximum aggregate emissions of PM.

#### 5.6.3 General Records for Fugitive Emissions of VOM

- a. The Permittee shall maintain a record of the maximum aggregate annual emissions of fugitive VOM from process system flanges, seals, valves, etc. during both normal and upset modes of operation, estimated based on the applicable emission factors and formulas specified by Condition 5.9.3, with supporting calculations, so as to demonstrate compliance with the limits in Condition 5.5.
- b. This record shall be updated upon construction of additional VOM emitting emission units or other permanent change to the source that alters the maximum aggregate emissions of VOM.

#### 5.6.4 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 of the source 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 Permitted 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.

5.9.2 General Procedures for Calculating Fugitive Emissions from Roadways

- a. For the purpose of estimating fugitive PM emissions from the paved roadways at the source, the emission factors and formulas in Sections 13.2.1 of AP-42, Volume I, Fifth Edition, Supplement D, October, 1997 are acceptable.
- b. For the purpose of estimating fugitive PM emissions from the unpaved roadways at the source, the emission factors and formulas in Sections 13.2.2 of AP-42, Volume I, Fifth Edition, Supplement E, September, 1998 are acceptable.

5.9.3 General Procedures for Calculating Fugitive VOM Emissions

For the purpose of estimating fugitive PM emissions from process system flanges, seals, valves, etc. during both normal and upset modes of operation, the source may use either USEPA approved emission factors or approved source specific emission factors.



6.0 NOT APPLICABLE TO THIS PERMIT

7.0 UNIT SPECIFIC CONDITIONS

7.1 Unit: Grain Handling Operation  
Control: Filters and Cyclone Dust Collectors

7.1.1 Description

Rail and Truck Soybean Receiving and Handling

Bushels of grain are received at Incobrasa by truck and by rail and further processed at the facility. The beans are sampled and analyzed for moisture content, foreign matter, and damaged seeds. The dust from the receiving pits is passed through two separate filters. After sampling and analysis, the beans are conveyed to large concrete bins for storage prior to processing.

Precleaning and Bean Scale

Beans are removed from the storage silos and passed over screens to remove material such as sticks, stems, metal, sand and dirt. An aspiration system is used in conjunction with the screens to remove the loose hulls from the soybeans. Emissions are sent to the bean destoning filter and to the truck receiving filter.

Destoning, Storage and Scale

Beans from the precleaning process are conveyed to the destoners to remove additional materials from the beans. Beans from destoning are conveyed to storage silos. Cyclone dust collectors and filters control dust emissions. Soybeans from the storage silos are conveyed to a mill where they are cleaned of metals by use of magnets, aspirated and weighed.

7.1.2 List of Emission Units and Pollution Control Equipment

Emission Unit	Description	Emission Control Equipment
GH1	Rail and Truck Soybean Receiving and Handling; Precleaning and Bean Scale; Destoning, Storage and Scale	Filters and Cyclone Dust Collectors

7.1.3 Applicability Provisions and Applicable Regulations

- a. The "grain handling operation" for the purpose of these unit-specific conditions, is the grain handling operation as described in Conditions 7.1.1 and 7.1.2.
- b. The affected grain handling operation is subject to

the emission limits identified in Condition 5.2.2.

- c. The affected grain handling operation is subject to 35 IAC 212, Subpart S: Agriculture. The Permittee shall comply with all applicable requirements of Subpart S (See also Condition 7.1.5).

#### 7.1.4 Non-Applicability of Regulations of Concern

- a. This permit is issued based on the affected grain handling operation not being subject to 35 IAC 212.321, because the affected grain handling operation complies with 35 IAC 212, Subpart S [35 IAC 212.461(a)].
- b. This permit is issued based on the affected grain handling operation not being subject to 40 CFR 60, Subpart DD: Standards of Performance for Grain Elevators, because the affected grain handling operation is located at a source that has a permanent grain storage capacity of less than 1 million bushels.

#### 7.1.5 Operational Limits and Control Requirements

- a. Housekeeping Practices. The Permittee must implement and use the following housekeeping practices:
  - i. Air pollution control devices shall be checked daily and cleaned as necessary to insure proper operation.
  - ii. Cleaning and Maintenance.
    - A. Floors shall be kept swept and cleaned from boot pit to cupola floor. Roof or bin decks and other exposed flat surfaces shall be kept clean of grain and dust that would tend to rot or become airborne.
    - B. Cleaning shall be handled in such a manner as not to permit dust to escape to the atmosphere.
    - C. The yard and surrounding open area, including but not limited to ditches and curbs, shall be cleaned to prevent the accumulation of rotting grain.
  - iii. Dump Pit.
    - A. Aspiration equipment shall be maintained

and operated.

B. Dust control devices shall be maintained and operated.

iv. Head House. The head house shall be maintained in such a fashion that visible quantities of dust or dirt are not allowed to escape to the atmosphere.

v. Property. The yard and driveway of any source shall be asphalted, oiled or equivalently treated to control dust.

vi. Housekeeping Check List. Housekeeping check lists to be developed by the Agency shall be completed by the manager and maintained on the premises for inspection by Agency personnel.

b. Cleaning and Separating Operations.

i. Particulate matter generated during cleaning and separating operations shall be captured to the extent necessary to prevent visible particulate matter emissions directly into the atmosphere.

ii. Air contaminants collected from cleaning and separating operations shall be conveyed through air pollution control equipment, which has a rated, and actual particulate removal efficiency of not less than 90 percent by weight prior to release into the atmosphere.

c. Major Dump-Pit Area: Induced Draft.

i. Induced draft shall be applied to major dump pits and their associated equipment (including, but not limited to, boots, hoppers and legs) to such an extent that a minimum face velocity is maintained, at the effective grate surface, sufficient to contain particulate emissions generated in unloading operations. The minimum face velocity at the effective grate surface shall be at least 200 feet per minute, which shall be determined by using the equation:

$$V = Q/A$$

Where:

V = Face velocity

Q = Induced draft volume in scfm

A = Effective grate area in ft<sup>2</sup>

- ii. The induced draft air stream shall be confined and conveyed through air pollution control equipment which has an overall rated and actual particulate collection efficiency of not less than 90 percent by weight;
  - iii. Means or devices (including, but not limited to, quick-closing doors, air curtains or wind deflectors) shall be employed to prevent a wind velocity in excess of 50 percent of the induced draft face velocity at the pit; provided, however, that such means or devices do not have to achieve the same degree of prevention when the ambient air wind exceeds 25 mph. The wind velocity shall be measured, with the induced draft system not operating, at a point midway between the dump-pit area walls at the point where the wind exits the dump-pit area, and at a height above the dump-pit area floor of approximately 2 ft; or
- d. Internal Transferring Area.
- i. Internal transferring area shall be enclosed to the extent necessary to prohibit visible particulate matter emissions directly into the atmosphere.
  - ii. Air contaminants collected from internal transfer operations shall be conveyed through air pollution control equipment which has a rated and actual particulate removal efficiency of not less than 90 percent by weight prior to release into the atmosphere.
- e. The annual grain throughput for the plant shall not exceed 27.0 million bushels. Compliance with this annual limit shall be determined from a running total of 12 months of data.

The above limitations were established in Permit 95070040, pursuant to 40 CFR 52.21, Prevention of Significant Deterioration (PSD). 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 the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21 [T1].

- f. Operation of the affected grain handling operation shall not exceed the following throughput rates:

<u>Emission Unit</u>	<u>Throughput Process Rate (Tons/Hr)</u>
Rail and Truck Receiving	91.67
Precleaning	91.67
Destoning Part "A"	45.83
Destoning Part "B"	45.83
Prep, General Aspiration	91.67

The above limitations were established in Permit 95070040, pursuant to 40 CFR 52.21, Prevention of Significant Deterioration (PSD). 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 the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21 [T1].

- g. The Permittee shall operate, maintain, and repair all air pollution control equipment in a manner that assures that the applicable emission limits set in this permit are met at all times. The actions taken by the Permittee to meet this requirement shall include at least the following:

- i. Written operating procedures shall be maintained and updated describing normal process and equipment operating parameters; monitoring or instrumentation for measuring control equipment operating parameters, if any; and control equipment inspection and maintenance practices. With respect to control equipment maintenance practices, the operating procedures may incorporate the manufactures recommended operating instructions, if a copy of these instructions is attached to the procedures.

- ii. Visual inspections of air pollution control equipment shall be conducted on a regular

schedule. These inspections shall include a detailed inspection of the performance and condition of control equipment at least once per year.

- iii. Prompt repairs shall be made upon identification of need, either as a consequence of formal inspections or other observations.
- iv. Written records of inspection, maintenance and repair activities shall be kept in accordance with Condition 7.1.9(c).

7.1.6 Emission Limitations

In addition to Condition 5.2.2 and the source wide emission limitations in Condition 5.5, the affected grain handling operation is subject to the following:

Emissions of particulate matter from the affected grain handling operation shall not exceed the following limits:

<u>Emission Unit</u>	<u>PM Emissions</u> <u>(Lbs/Hr) (Ton/Yr)</u>	
Rail and Truck Receiving	0.46	2.00
Precleaning	0.34	1.50
Destoning Part "A"	0.95	4.17
Destoning Part "B"	0.95	4.17
Prep, General Aspiration	0.65	2.65

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 95070040, pursuant to 40 CFR 52.21, Prevention of Significant Deterioration (PSD). 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 the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21 [T1].

7.1.7 Testing Requirements

None

7.1.8 Monitoring Requirements

None

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 grain handling operation to demonstrate compliance with Conditions 5.5.1, 7.1.5 and 7.1.6, pursuant to Section 39.5(7)(b) of the Act:

- a. Grain Processed (bushels/month and bushels/year);
- b. Condition of equipment at least once per day and key operating parameters for air pollution control equipment, at least once per day;
- c. Inspections, other equipment observations, preventative maintenance, maintenance activities other than preventative maintenance, and repair of air pollution control equipment which includes: date, duration, nature, and description of observation or action; and
- d. PM emissions from the affected grain handling operation (tons/month and tons/year) with supporting calculations.

7.1.10 Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section, of deviations of the affected grain handling operation 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. Operation of the affected grain handling operation in excess of the throughput limitations specified by Conditions 7.1.5(e) and (f) within 30 days of such an occurrence.
- b. Emissions of PM from the affected grain handling operation in excess of the limits specified in Condition 7.1.6 within 30 days of such an occurrence.

7.1.11 Operational Flexibility/Anticipated Operating Scenarios

N/A

#### 7.1.12 Compliance Procedures

Compliance with the emission limits in Conditions 5.5.1 and 7.1.6 shall be based on the recordkeeping requirements in Condition 7.1.9 and appropriate emission factors such as the standard factors from USEPA's Compilation of Air Pollutant Emission Factors, AP-42: Section 9.9.1, Grain Elevators and Processes and Section 9.11.1, Vegetable Oil Processing.

7.2 Unit: Material Handling Operations  
 Control: Filters and Cyclone Dust Collectors

7.2.1 Description

The material handling units will be used to transfer, store, and process commodities used in the extraction process.

7.2.2 List of Emission Units and Pollution Control Equipment

Emission Unit	Description	Emission Control Equipment
MH2	Bean Dehulling and Cracking: Beans are Crushed and Dehulled for Further Processing	Filters and Cyclone Dust Collectors
MH3	Flaking	Filters and Cyclone Dust Collectors
MH4	Soybean Meal Sizing System	Filter
MH5	Hull Pelletting: Extruding and Cooling of Hulls	Filter and Cyclone Dust Collectors
MH6	Hull Grinding System: Soybean Hulls are Ground	Filter
MH7	Kaolin Tank: Storage of Soybean Meal	Filter
MH8	Loadout and Storage of Meal Product	Filter

7.2.3 Applicability Provisions and Applicable Regulations

- a. The "affected material handling unit" for the purpose of these unit-specific conditions, is each emission unit as described in Conditions 7.2.1 and 7.2.2.
- b. Each affected material handling unit is subject to the emission limits identified in Condition 5.2.2.
- c. Each affected material handling unit is subject to 35 IAC 212.321(a), which provides that the Permittee shall not 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)].

7.2.4 Non-Applicability of Regulations of Concern

None

7.2.5 Operational Limits and Control Requirements

- a. The affected material handling units shall not operate without the associated filters or cyclone dust collectors as further described in Condition 7.2.2.
- b. The Permittee shall follow good operating practices for the cyclones and filters, including periodic inspection, routine maintenance and prompt repair of defects.
- c. Operation of the affected material handling units shall not exceed the following throughput rates:

<u>Emission Unit</u>	<u>Throughput Process Rate (Tons/Hr)</u>
Primary Dehulling Part "A"	45.83
Primary Dehulling Part "B"	45.83
Secondary Dehulling Part "A"	45.83
Secondary Dehulling Part "B"	45.83
Meal Storage and Loadout	73.60
Kaolin Receiving and Storage	3.00

The above limitations were established in Permit 95070040, pursuant to 40 CFR 52.21, Prevention of Significant Deterioration (PSD). 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 the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21 [T1].

- d. The Permittee shall operate, maintain, and repair all air pollution control equipment in a manner that assures that the applicable emission limits set in this permit are met at all times. The actions taken by the Permittee to meet this requirement shall include at least the following:
  - i. Written operating procedures shall be maintained and updated describing normal process and equipment operating parameters; monitoring or instrumentation for measuring control equipment operating parameters, if any; and control equipment inspection and maintenance practices. With respect to control equipment maintenance practices, the operating procedures may incorporate the

manufactures recommended operating instructions, if a copy of these instructions is attached to the procedures.

- ii. Visual inspections of air pollution control equipment shall be conducted on a regular schedule. These inspections shall include a detailed inspection of the performance and condition of control equipment at least once per year.
- iii. Prompt repairs shall be made upon identification of need, either as a consequence of formal inspections or other observations.
- iv. Written records of inspection, maintenance and repair activities shall be kept in accordance with Condition 7.2.9(b).

#### 7.2.6 Emission Limitations

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

Emissions of particulate matter from the affected material handling units shall not exceed the following limits:

<u>Emission Unit</u>	<u>PM Emissions</u> <u>(Lbs/Hr) (Ton/Yr)</u>	
Primary Dehulling Part "A"	1.43	6.26
Primary Dehulling Part "B"	1.43	6.26
Secondary Dehulling Part "A"	1.10	4.70
Secondary Dehulling Part "B"	1.10	4.70
Meal Storage and Loadout	0.74	3.22
Kaolin Receiving and Storage	0.10	0.43

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 95070040, pursuant to 40 CFR 52.21, Prevention of Significant Deterioration (PSD). 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 the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21 [T1].

7.2.7 Testing Requirements

None

7.2.8 Monitoring Requirements

None

#### 7.2.9 Recordkeeping Requirements

In addition to the records required by Condition 5.6, the Permittee shall maintain records of the following items for the affected material handling units to demonstrate compliance with Conditions 5.5.1, 7.2.5 and 7.2.6, pursuant to Section 39.5(7)(b) of the Act:

- a. Condition of equipment at least once per day and key operating parameters for air pollution control equipment, at least once per day;
- b. Inspections, other equipment observations, preventative maintenance, maintenance activities other than preventative maintenance, and repair of air pollution control equipment which includes: date, duration, nature, and description of observation or action;
- c. Throughput process rate for each emission unit listed in Condition 7.2.5(c) (tons/hour); and
- d. PM emissions from the affected grain handling operation (tons/month and tons/year) with supporting calculations.

#### 7.2.10 Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section, of deviations of the affected material handling units 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. Operation of the affected material handling units in excess of the throughput limitations specified by Condition 7.2.5(c) within 30 days of such an occurrence.
- b. Emissions of PM from the affected material handling units in excess of the limits specified in Condition 7.3.6 within 30 days of such an occurrence.

#### 7.2.11 Operational Flexibility/Anticipated Operating Scenarios

N/A

#### 7.2.12 Compliance Procedures

Compliance with the emission limits in Conditions 5.5.1 and 7.2.6 shall be based on the recordkeeping requirements

in Condition 7.2.9 and appropriate emission factors such as the standard factors from USEPA's Compilation of Air Pollutant Emission Factors, AP-42: Section 9.11.1, Vegetable Oil Processing.

7.3 Unit: Extractor, DTDC  
 Control: Mineral Oil Scrubbing System and Cyclone Dust Collectors

7.3.1 Description

The extractor will extract oil from soybean or other oil containing commodities using hexane or other appropriate organic solvent. The extractor is controlled by a mineral oil scrubbing system. The amount of hexane emitted is determined by balance calculating the amount of hexane used from the amount received and changes in the amount stored.

Flakes leaving the extractor, which contain solvent, will be desolventized through the desolventizer toaster where both contact and non-contact steam are used to evaporate the solvent. The toasted flakes then pass to a dryer, where excess moisture is removed by heat and then to a cooler where ambient air is used to reduce the temperature of the flakes.

7.3.2 List of Emission Units and Pollution Control Equipment

Emission Unit	Description	Emission Control Equipment
Extractor System	Extractor, DTDC and Ancillary Equipment	Mineral Oil Scrubbing System and Cyclone Dust Collectors

7.3.3 Applicability Provisions and Applicable Regulations

- a. The "affected extractor" for the purpose of these unit-specific conditions, is the extraction system as described in Conditions 7.3.1 and 7.3.2.
- b. The affected extractor is subject to a National Emission Standard for Hazardous Air Pollutants (NESHAP) for Solvent Extraction for Vegetable Oil Production, 40 CFR 63 Subparts A and GGGG if it processes corn germ, soybeans or other oil seed addressed by these standards. No later than April 12, 2004, the Permittee must comply with all applicable requirements of Subparts A and GGGG.
- c. The affected extractor is subject to 35 IAC 212.321(a), which provides that the Permittee shall not 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)].

- d. When processing soybeans, the affected extractor shall not cause or allow emissions to exceed [35 IAC 215.340]:
  - i. 0.0026 lbs of volatile organic material per pound of conventional soybean crush, and
  - ii. 0.0052 lbs of volatile organic material per pound of specialty soybean crush.
- e. The affected extractor is subject to the emission limits identified in Condition 5.2.2.

7.3.4 Non-Applicability of Regulations of Concern

This permit is issued based on the affected extractor not being subject to 35 IAC 215 Subpart K, Use of Organic Material, because hexane is not a photochemically reactive material.

7.3.5 Operational Limits and Control Requirements

- a. No later than April 12, 2004, the affected extractor shall be operated to comply with the standards and compliance requirements specified at 40 CFR 63.2840 and 63.2850, respectively, whenever the extraction solvent being used contains n-hexane or other HAP. In particular, for the affected extractor, the compliance ratio, as set forth in 40 CFR 63.2840, shall be less than or equal to 1.00.
- b.
  - i. The affected extractor shall not operate without the mineral oil scrubber or cyclone dust collectors.
  - ii. The Permittee shall follow good operating practices for the mineral oil scrubber and cyclone dust collectors, including periodic inspection, routine maintenance and prompt repair of defects.
- c. Operation of the affected extractor shall not exceed the following throughput rates:

<u>Emission Unit</u>	Throughput Process Rate (Tons/Hr)
DTDC	91.67

7.3.6 Emission Limitations

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

- a. VOM and HAP emissions from the affected extractor shall not exceed 181.0 tons/year, not including fugitive emissions of hexane. Hexane emissions from process system flanges, seals, valves, etc during both normal and upset modes of operations are considered fugitive emissions, because they occur in a structure that cannot be considered an enclosure for purposes of collecting the hexane losses for venting through a stack or vent as defined in 40 CFR 52.21(b)(20). The structure does shield maintenance employees from extreme weather conditions, but for reasons of safety, is purposely constructed to allow free air flow through the seams and openings in the structure.

Compliance with this emission limit shall be determined from the amount of organic solvent used in the affected extractor, based on inventory records, compiled on a monthly basis with the annual compliance determination made 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 95070040, pursuant to 40 CFR 52.21, Prevention of Significant Deterioration (PSD). 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 the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21 [T1].

- b. Emissions of PM from the affected extractor shall not exceed the following limits:

<u>Emission Unit</u>	<u>PM Emissions</u>	
	<u>(Lbs/Hr)</u>	<u>(Tons/Yr)</u>
DTDC Dryer Cyclones	19.17	84.0
DTDC Cooler Cyclones	19.17	84.0

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 95070040, pursuant to 40 CFR 52.21, Prevention of

Significant Deterioration (PSD). 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 the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21 [T1].

#### 7.3.7 Testing Requirements

Upon a reasonable request by the Illinois EPA, emission testing for PM from the affected extractor shall be performed.

#### 7.3.8 Monitoring Requirements

The Permittee shall monitor the following information for the mineral oil scrubber:

- a. Pressure drop across the scrubber (inches of water);
- b. Inlet gas temperature (Degrees F);
- c. Inlet gas flow rate (scfm); and
- d. Scrubbant rate (gallons/minute).

#### 7.3.9 Recordkeeping Requirements

In addition to the records required by Condition 5.6, the Permittee shall maintain records of the following items for the affected extractor to demonstrate compliance with Conditions 5.5.1, 7.3.5 and 7.3.6, pursuant to Section 39.5(7)(b) of the Act:

- a. The Permittee shall maintain records of the following items for the affected extractor:
  - i. The Permittee shall keep records of the monitoring activity conducted pursuant to Condition 7.3.8.
  - ii. Operating records for the affected extractor:
    - A. Commodity(s) processed and rate (tons of commodity processed);
    - B. Amount of extraction solvent used from inventory records (tons/month and tons/year);

- C. HAP content of extraction solvent with supporting documentation;
  - D. Operating hours (hours/month); and
  - E. Maintain an operating and maintenance log for the scrubber and the cyclone dust collectors.
- iii. The Permittee shall measure and record the pressure drop of the cyclone dust collectors on at least a weekly basis.
  - iv. Emission records for the affected extractor:
    - A. VOM and HAP emissions (tons/month and tons/year);
    - B. Monthly HAP Compliance ratio, with supporting calculations; and
- b. No later than April 12, 2004, the Permittee shall comply with the recordkeeping requirements specified at 40 CFR 63.2860, whenever the extraction solvent being used contains n-hexane or other HAP.
  - c. No later than April 12, 2004,
    - i. Pursuant to 40 CFR 63.2863, the records must be in a form suitable and readily available for review in accordance with 40 CFR 63.10(b)(1).
    - ii. As specified in 40 CFR 63.10(b)(1), the Permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
    - iii. The Permittee shall keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, in accordance with 40 CFR 63.10(b)(1). The Permittee may keep the records off-site for the remaining 3 years.
  - d. i. The owner or operator of sources subject to 35 IAC 215.340 and 215.342 shall maintain daily records of solvent storage inventory, and conventional and specialty soybean crush or

raw corn germ. Each day the total decrease in solvent storage inventory, and total conventional and specialty soybean crush or raw corn germ for the previous 180 days shall be calculated [35 IAC 215.344(a)].

- ii. The Illinois EPA shall have access to records required under this 35 IAC 215.344(a) upon reasonable notice [35 IAC 215.344(b)].

#### 7.3.10 Reporting Requirements

- a. No later than April 12, 2004, the Permittee shall comply with the reporting and notification requirements specified at 40 CFR 63.2860, whenever the extraction solvent being used contains n-hexane or other HAP.
- b. The Permittee shall promptly notify the Illinois EPA, Compliance Section, of deviations of the affected extractor 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:

Any record showing violation of Conditions 7.3.5 and 7.3.6 shall be reported by sending a copy of such record to the Illinois EPA within 30 days following the occurrence of the violation.

7.3.11 Operational Flexibility/Anticipated Operating Scenarios

N/A

7.3.12 Compliance Procedures

- a. For purposes of demonstrating compliance with the emission limits in Conditions 5.5.1 and 7.3.6(a), emissions of VOM and/or HAP from the affected extractor shall be based on the recordkeeping requirements in Condition 7.3.9 and a material balance calculation (i.e., emissions equal the amount of organic solvent used in the affected extractor, based on inventory records, compiled on a monthly basis with the annual compliance determination made from the sum of the data for the current month plus the preceding 11 months (running 12 month total)).
- b.
  - i. Each day, the owner or operator of sources subject to 35 IAC 215.340 shall calculate the sum of [35 IAC 215.345(a)]:
    - A. Total conventional soybean crush for the previous 180 days, in pounds, multiplied by 0.0026, plus
    - B. Total specialty soybean crush for the previous 180 days, in pounds, multiplied by 0.0052.
  - ii. Each day, the owner or operator of sources subject to 35 IAC 215.342 shall calculate the sum of the total raw corn germ processed for the previous 180 days, in tons multiplied by 2.2 [35 IAC 215.345(b)].
  - iii. If such sum is less than the total decrease in solvent storage inventory over the previous 180 days, then the provisions of 35 IAC 215.340 or 215.342, whichever is applicable, shall be deemed to have been exceeded [35 IAC 215.345(c)].

7.4 Unit: Boilers  
Control: None

7.4.1 Description

The boiler B1 produces steam from the combustion of natural gas for the purpose of process steam and space heat.

The boiler B2 produces steam for use in the refinery hotwell operations.

7.4.2 List of Emission Units and Air Pollution Control Equipment

Emission Unit	Description	Emission Control Equipment
B1	96 mmBtu/hr Boiler	None
B2	10 mmBtu/hr Refinery Boiler	None

7.4.3 Applicability Provisions and Applicable Regulations

- a. The "affected boiler" for the purpose of these unit-specific conditions, is each boiler as described in Conditions 7.4.1 and 7.4.2.
- b. Each affected boiler is subject to the emission limits identified in Condition 5.2.2.
- c. The affected boilers are subject to the NSPS for Small Industrial-Commercial Institutional Steam Generating Units, 40 CFR 60 Subparts A and Dc, because the construction, modification, or reconstruction is commenced after June 9, 1989 and has a maximum design heat input capacity of 29 megawatts (MW) (100 million Btu per hour (Btu/hr)) or less, but greater than or equal to 2.9 MW (10 million Btu/hr). The Illinois EPA administers the NSPS for subject sources in Illinois pursuant to a delegation agreement with the USEPA.
- d. No person shall cause or allow the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission source with actual heat input greater than 2.9 MW (10 mmBtu/hr) to exceed 200 ppm, corrected to 50 percent excess air [35 IAC 216.121].

7.4.4 Non-Applicability of Regulations of Concern

- a. The affected boilers are not subject to 35 IAC 217.141, emissions of nitrogen oxides from existing fuel combustion emission sources in major metropolitan areas, because the actual heat input of the affected

boilers are less than 73.2 MW (250 mmBtu/hr).

- b. The provisions of 35 IAC 215.301 and 302, Use of Organic Material, shall not apply to fuel combustion emission sources [35 IAC 215.303].

7.4.5 Operational and Production Limits and Work Practices

- a. Natural gas shall be the only fuel fired in the affected boilers.
- b. The annual fuel consumption for the plant, which includes the affected boilers, shall not exceed 876,000,000 million cubic feet. 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 95070040, pursuant to 40 CFR 52.21, Prevention of Significant Deterioration (PSD). 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 the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21 [T1].

7.4.6 Emission Limitations

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

Emissions from the affected boiler B1 shall not exceed the following limits:

<u>Pollutant</u>	<u>Emissions</u>	
	<u>(Lbs/Hr)</u>	<u>(Ton/Yr)</u>
PM	0.31	1.36
SO <sub>2</sub>	0.06	0.27
NO <sub>x</sub>	20.00	64.91
VOM	0.58	2.54

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 95070040, pursuant to 40 CFR 52.21, Prevention of Significant Deterioration (PSD). 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 the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21 [T1].

7.4.7 Operating Requirements

None

7.4.8 Inspection Requirements

None

7.4.9 Recordkeeping Requirements

In addition to the records required by Condition 5.6, the Permittee shall maintain records of the following items for the affected boilers to demonstrate compliance with Conditions 5.5.1, 7.4.5 and 7.4.6, pursuant to Section 39.5(7)(b) of the Act:

- a. The Permittee of the affected boilers shall record and maintain records of the amount of fuel combusted in each boiler during each day [40 CFR 60.48c(g)];
- b. Emissions of NO<sub>x</sub>, PM, SO<sub>2</sub>, and VOM from the affected boiler B1, based on fuel consumption and the applicable emission factors, with supporting calculations (tons/month and tons/year); and
- c. Annual (calendar year) emissions of NO<sub>x</sub>, PM, SO<sub>2</sub>, and VOM from the affected boiler B2, based on fuel consumption and the applicable emission factors, with supporting calculations (tons/year).

7.4.10 Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section, of deviations of the affected boilers 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:

Emissions from the affected boiler B1 in excess of the limits specified in Condition 7.4.6 with 30 days of such an occurrence.

7.4.11 Operational Flexibility/Anticipated Operating Scenarios

N/A

#### 7.4.12 Compliance Procedures

- a. Compliance with Condition 7.4.3(d) is considered to be assured by the normal work practices and maintenance activities inherent in operation of the affected boilers.
- b. Compliance with the emission limits in Conditions 5.5.1 and 7.4.6 shall be based on the recordkeeping requirements in Condition 7.4.9 and appropriate emission factors such as the standard factors from USEPA's Compilation of Air Pollutant Emission Factors, AP-42: Section 1.4, Natural Gas Combustion.

7.5 Unit: Grain Dryers  
Control: None

7.5.1 Description

The grain dryers are used to reduce the moisture content of beans during the precleaning process.

7.5.2 List of Emission Units and Pollution Control Equipment

Emission Unit	Description	Emission Control Equipment
GD1-2	Two Grain Dryers	None

7.5.3 Applicability Provisions and Applicable Regulations

- a. An "affected grain dryer" for the purpose of these unit-specific conditions, is each grain dryer as described in Conditions 7.5.1 and 7.5.2.
- b. Each affected grain dryer is subject to the emission limits identified in Condition 5.2.2.
- c. The affected grain dryers are subject to 35 IAC 212, Subpart S: Agriculture. The Permittee shall comply with all applicable requirements of Subpart S (See also Condition 7.5.5).

7.5.4 Non-Applicability of Regulations of Concern

- a. This permit is issued based on the affected grain dryer not being subject to 35 IAC 212.321, because the affected grain dryers comply with 35 IAC 212, Subpart S [35 IAC 212.461(a)].
- b. This permit is issued based on the affected grain dryers not being subject to 40 CFR 60, Subpart DD: Standards of Performance for Grain Elevators, because the affected grain dryers are located at a source that has a permanent grain storage capacity of less than 1 million bushels.

7.5.5 Operational Limits and Control Requirements

- a. Column Dryers. The largest effective circular diameter of transverse perforations in the external sheeting of a column dryer shall not exceed 0.094 inch, and the grain inlet and outlet shall be enclosed.
- b. Natural gas shall be the only fuel fired in the

affected grain dryers.

- c. The annual fuel consumption for the plant, which includes the affected grain dryers shall not exceed 876,000,000 million cubic feet. 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 95070040, pursuant to 40 CFR 52.21, Prevention of Significant Deterioration (PSD). 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 the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21 [T1].

#### 7.5.6 Emission Limitations

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

Emissions from the affected grain dryers (combined) shall not exceed the following limits:

<u>Pollutant</u>	<u>Emissions</u>	
	<u>(Lbs/Hr)</u>	<u>(Ton/Yr)</u>
PM	8.00	34.00
SO <sub>2</sub>	0.01	0.04
NO <sub>x</sub>	1.40	6.13
VOM	0.08	0.36

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 95070040, pursuant to 40 CFR 52.21, Prevention of Significant Deterioration (PSD). 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 the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21 [T1].

7.5.7 Testing Requirements

None

7.5.8 Monitoring Requirements

None

7.5.9 Recordkeeping Requirements

In addition to the records required by Condition 5.6, the Permittee shall maintain records of the following items for the affected grain dryers to demonstrate compliance with Conditions 5.5.1, 7.5.5 and 7.5.6, pursuant to Section 39.5(7)(b) of the Act:

- a. Amount of fuel combusted (mmscf/month and mmscf/year); and
- b. Emissions of NO<sub>x</sub>, PM, SO<sub>2</sub>, and VOM from the affected grain dryers, based on fuel consumption and the applicable emission factors, with supporting calculations (tons/month and tons/year).

7.5.10 Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section, of deviations of the affected grain dryers 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. Operation of the affected grain dryers in excess of the throughput limitations specified by Condition 7.5.5(c) within 30 days of such an occurrence.
- b. Emissions of PM from the affected grain dryers in excess of the limits specified in Condition 7.5.6 within 30 days of such an occurrence.

7.5.11 Operational Flexibility/Anticipated Operating Scenarios

N/A

7.5.12 Compliance Procedures

Compliance with the emission limits in Conditions 5.5.1 and 7.5.6 shall be based on the recordkeeping requirements in Condition 7.5.9 and appropriate emission factors such

as the standard factors from USEPA's Compilation of Air Pollutant Emission Factors, AP-42: Section 9.9.1, Grain Elevators and Processes.

7.6 Unit: Oil Refinery Hotwell  
Control: Mineral Oil Scrubbing System, Filters

7.6.1 Description

The refining process receives crude soybean oil from the extraction storage tanks and refines it to remove impurities. The refined oil is then sold in various sized containers.

7.6.2 List of Emission Units and Air Pollution Control Equipment

Emission Unit	Description	Emission Control Equipment
Oil Refinery Hotwell	Oil Refinery Hotwell and Ancillary Equipment	Mineral Oil Scrubbing System, Filters

7.6.3 Applicability Provisions and Applicable Regulations

- a. The "affected oil refinery hotwell" for the purpose of these unit-specific conditions, is the oil refinery hotwell as described in Conditions 7.6.1 and 7.6.2.
- b. The affected oil refinery hotwell is subject to the emission limits identified in Condition 5.2.2.
- c. The affected oil refinery hotwell is subject to 35 IAC 212.321(a), which provides that the Permittee shall not 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)].

7.6.4 Non-Applicability of Regulations of Concern

- a. This permit is issued based on the affected extractor not being subject to 35 IAC 215 Subpart K, Use of Organic Material, because hexane is not a photochemically reactive material.
- b. This permit is issued based on the affected oil refinery hotwell not being a new or reconstructed major source of hazardous air pollutants, so that it is not subject to a case-by-case determination of Maximum Achievable Control Technology (MACT), pursuant to Section 112(g) of the Clean Air Act.

- c. This permit is issued based on the affected oil refinery hotwell not being subject to 40 CFR 63, Subpart GGGG: National Emission Standards for Hazardous Air Pollutants, Solvent Extraction for Vegetable Oil Production, because the affected oil refinery hotwell does not use organic solvent to extract oil from oilseed [40 CFR 63.2832(b)(1)].

7.6.5 Control Requirements and Operational Limits

- a. The annual pour weight of the affected oil refinery hotwell shall not exceed 240,900 tons/year. 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).

The above limitations were established in Permit 00100039, pursuant to 40 CFR 52.21, Prevention of Significant Deterioration (PSD). 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 the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21 [T1].

- b. The affected oil refinery hotwell shall not operate without the mineral oil scrubber and filters.

7.6.6 Emission Limitations

In addition to Condition 5.2.2 and the source wide emission limitations in Condition 5.5, the affected oil refinery hotwell is subject to the following:

Emissions from the affected oil refinery hotwell shall not exceed the following limits:

VOM Emissions	
<u>(Ton/Month)</u>	<u>(Ton/Year)</u>
1.0	9.9

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 00100039, pursuant to 40 CFR 52.21, Prevention of Significant Deterioration (PSD). 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 the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21 [T1].

7.6.7 Testing Requirements

None

7.6.8 Inspection Requirements

None

7.6.9 Recordkeeping Requirements

In addition to the records required by Condition 5.6, the Permittee shall maintain records of the following items for the affected oil refinery hotwell to demonstrate compliance with Conditions 5.5.1, 7.6.5(a) and 7.6.6, pursuant to Section 39.5(7)(b) of the Act:

- a. Annual pour weight (tons/month);
- b. Hexane content of the crude oil and hexane content of finished oil;
- c. VOM and HAP emissions with supporting calculations (tons/month and tons/year); and
- d. Annual (calendar year) NO<sub>x</sub>, PM, and SO<sub>2</sub> emissions (tons/year).

7.6.10 Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section, of deviations of the affected oil refinery hotwell 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. Operation of the affected oil refinery hotwell in excess of the operational limitations specified by Condition 7.6.5(a) within 30 days of such an occurrence; and
- b. Emissions of VOM from the affected oil refinery hotwell in excess of the limits specified in Condition 7.6.6 within 30 days of such an occurrence.

7.6.11 Operational Flexibility/Anticipated Operating Scenarios

N/A

7.6.12 Compliance Procedures

- a. Compliance with the emission limits in Conditions 5.5.1 and 7.6.6 shall be based on the recordkeeping requirements in Condition 7.6.9 and the following formula listed below:

VOM/HAP Emissions (tons) = Amount of oil refined (tons) x (hexane content in crude oil - hexane content in finished oil).

- b. Compliance with the emission limits in Conditions 5.5.1 and 7.6.3(c) shall be based on the recordkeeping requirements in Condition 7.4.9 and appropriate emission factors such as the standard factors from USEPA's Compilation of Air Pollutant Emission Factors, AP-42.

## 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 October 9, 2002 (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].

As of the date of issuance of this permit, there are no such economic incentive, marketable permit or emission trading programs that have been approved by USEPA.

### 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  
2009 Mall Street  
Collinsville, Illinois 62234

iii. Illinois EPA - Air Permit Section

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Permit Section (MC 11)  
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)(l), (n), and (o) of the Act].

10.1 Attachment 1 - 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: \_\_\_\_\_

## 10.2 Attachment 2 - 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. This shall be handled by completing form 272-CAAPP, REQUEST FOR OWNERSHIP CHANGE FOR CAAPP PERMIT; or
  - Incorporates into the CAAPP permit a construction permit, provided the conditions of the construction permit meet the requirements for the issuance of CAAPP permits.
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;
- Are not required to be processed as a significant permit modification; and
- Modifications involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches.

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, MINOR PERMIT MODIFICATION FOR CAAPP PERMIT 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.html>.

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>
	I.D. 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. I.D. 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.



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Division Of Air Pollution Control -- Permit Section  
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Springfield, Illinois 62794-9506

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.

### Summary Of Application Contents

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.

### Signature Block

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: _____ <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%; text-align: center;">           _____  <small>AUTHORIZED SIGNATURE</small> </div> <div style="width: 45%; text-align: center;">           _____  <small>TITLE OF SIGNATORY</small> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%; text-align: center;">           _____  <small>TYPED OR PRINTED NAME OF SIGNATORY</small> </div> <div style="width: 45%; text-align: center;">           _____ / _____ / _____  <small>DATE</small> </div> </div>

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.

#### 10.4 Attachment 4 - 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