

217/782-2113

"REVISED"
CLEAN AIR ACT PERMIT PROGRAM (CAAPP) PERMIT

PERMITTEE:

Natural Gas Pipeline Company of America
Attn: Lisa Carty, Air Quality Engineer
370 Van Gordon Street
Lakewood, Colorado 80228

I.D. No.: 091811AAB
Application No.: 95120215

Date Received: August 20, 2004
Date Issued: March 6, 2007
Expiration Date¹: March 6, 2012

Operation of: Natural Gas Transmission Station 201
Source Location: 5611 South 12000 West Road, Hersher, Kankakee County, 60941
Responsible Official: Joseph McLaughlin, Director of Operations

This permit is hereby granted to the above-designated Permittee to OPERATE a natural gas transmission station, pursuant to the above referenced permit application. This permit is subject to the conditions contained herein.

Revision Date Received: October 22, 2007
Revision Date Issued:
Purpose of Revision: Minor Modification

This minor modification consists of removing the NSCR from the engines 01-AUX and 02-AUX and stating that these two engines are used as emergency generators instead.

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

Edwin C. Bakowski, P.E.
Acting Manager, Permit Section
Division of Air Pollution Control

ECB:MA:psj

cc: Illinois EPA, FOS, Region 1
CES
Lotus Notes

¹ Except as provided in Conditions 1.5 and 8.7 of this permit.

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1.0 INTRODUCTION

1.1 Source Identification

Natural Gas Pipeline Company of America
5611 S 12000 W Road
Hersher, Illinois 60941
847/691-3777

I.D. No.: 091811AAB
County: Kankakee
Standard Industrial Classification: 4922, Natural Gas Distribution

1.2 Owner/Parent Company

Natural Gas Pipeline Company of America
370 Van Gordon Street
Post Office Box 281304
Lakewood, Colorado 80228-8304

1.3 Operator

Natural Gas Pipeline Company of America
370 Van Gordon Street
Post Office Box 281304
Lakewood, Colorado 80228-8304

Lisa Carty, Air Quality Engineer
303/914-7575

1.4 Source Description

The source, Natural Gas Pipeline - Station #201 is located at Hersher, Kankakee County. The primary function of the compressor station is to transmit natural gas to and from high-pressure underground storage fields and between other compressor stations. Prior to pipeline transmission water is removed from the natural gas by a natural gas dehydration unit. Next, natural gas is injected into the storage fields during the low demand months and withdrawn from storage during the high demand months. The natural gas fired engines or turbines that provide the mechanical energy to power the compressors are typically the primary source of emissions at the Hersher Station #201.

1.5 Title I Conditions

As generally identified below, this CAAPP permit contains certain conditions for emission units at this source that address the applicability of permitting programs for the construction and modification of sources, which programs were established pursuant to Title I of the Clean Air Act (CAA) and regulations thereunder. These programs include 40 CFR 52.21, Prevention of Significant Deterioration (PSD) and 35 IAC Part 203, Major Stationary Sources Construction and Modification (MSSCAM), and are implemented by the Illinois EPA pursuant to Sections 9, 9.1, 39(a) and 39.5(7)(a) of the Illinois Environmental

Protection Act (Act). These conditions continue in effect, notwithstanding the expiration date specified on the first page of this permit, as their authority derives from Titles I and V of the CAA, as well as Titles II and X of the Act. (See also Condition 8.7.)

- a. This permit contains "Title I conditions" that reflect Title I requirements established in permits previously issued for this source, which conditions are specifically designated as "T1."

2.0 LIST OF ABBREVIATIONS AND ACRONYMS COMMONLY USED

ACMA	Alternative Compliance Market Account
Act	Illinois Environmental Protection Act [415 ILCS 5/1 et seq.]
AP-42	Compilation of Air Pollutant Emission Factors, Volume 1, Stationary Point and Other Sources (and Supplements A through F), USEPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711
ATU	Allotment Trading Unit
BACT	Best Available Control Technology
BAT	Best Available Technology
CAA	Clean Air Act [42 U.S.C. Section 7401 et seq.]
CAAPP	Clean Air Act Permit Program
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emission Monitoring System
CFR	Code of Federal Regulations
CO	Carbon Monoxide
ERMS	Emissions Reduction Market System
HAP	Hazardous Air Pollutant
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
LAER	Lowest Achievable Emission Rate
MACT	Maximum Achievable Control Technology
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO _x	Nitrogen Oxides
NSPS	New Source Performance Standards
PM	Particulate Matter
PM ₁₀	Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 microns as measured by applicable test or monitoring methods
PM _{2.5}	Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 microns as measured by applicable test or monitoring methods
PSD	Prevention of Significant Deterioration
RMP	Risk Management Plan
SO ₂	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 CONDITIONS FOR 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:

Inhibitor Storage Tank 6,800 Gallon
2-2.6 mmBtu/Hr Natural Gas Fired Reboilers
Natural Gas Pneumatic Valve Operator
Facility Roads-Dust

- 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:

None

- 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)].

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

Gas turbines and stationary reciprocating internal combustion engines of less than 112 kW (150 horsepower) power output [35 IAC 201.210(a)(15)].

Gas turbines and stationary reciprocating internal combustion engines of between 112 kW and 1,118 kW (150 and 1,500

horsepower) power output that are emergency or standby units [35 IAC 201.210(a)(16)].

Loading and unloading systems for railcars, tank trucks, or watercraft that handle only the following liquid materials, provided an organic solvent has not been mixed with such materials: soaps, detergents, surfactants, lubricating oils, waxes, glycerin, vegetable oils, greases, animal fats, sweetener, corn syrup, aqueous salt solutions, or aqueous caustic solutions [35 IAC 201.210(a)(18)].

- 3.1.4 Activities that are considered insignificant activities pursuant to 35 IAC 201.210(b). Note: These activities are not required to be individually listed.

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 5.3.2), the Permittee shall comply with the following requirements, as applicable:

- 3.2.1 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 (see Attachment 2) and 35 IAC Part 266. 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.
- 3.2.2 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 218.301, which requires that organic material emissions not exceed 8.0 pounds per hour or, if no odor nuisance exists, do not qualify as photochemically reactive material as defined in 35 IAC 211.4690.
- 3.2.3 For each cold cleaning degreaser, the Permittee shall comply with the applicable equipment and operating requirements of 35 IAC 218.182.

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	Plant Emission Unit	Emission Unit Description	Rated Capacity	Date of Construction	Emission Control
01	01-ENG	Natural Gas Fired Engine, Cooper GMWH8	27.2 mmBtu/hr	Before 1972	None
	02-ENG	Natural Gas Fired Engine, Cooper GMWH8	27.2 mmBtu/hr	Before 1972	None
	03-ENG	Natural Gas Fired Engine, Cooper GMWH8	27.2 mmBtu/hr	Before 1972	None
	04-ENG	Natural Gas Fired Engine, Cooper GMWH8	27.2 mmBtu/hr	Before 1972	None
	05-ENG	Natural Gas Fired Engine, Cooper GMWH8	27.2 mmBtu/hr	Before 1972	None
	06-ENG	Natural Gas Fired Engine, Cooper 10W330	44.6 mmBtu/hr	1972	None
	07-ENG	Natural Gas Fired Engine, IR SVG12	5.3 mmBtu/hr	Before 1972	NSCR
	08-ENG	Natural Gas Fired Engine, IR SVG12	5.3 mmBtu/hr	Before 1972	NSCR
	09-ENG	Natural Gas Fired Engine, IR SVG12	5.3 mmBtu/hr	Before 1972	NSCR
	10-ENG	Natural Gas Fired Engine, IR SVG12	5.3 mmBtu/hr	Before 1972	NSCR
	12-ENG	Natural Gas Fired Engine, Cooper GMVH0	19.8 mmBtu/hr	1972	None
	01-AUX	Natural Gas Fired Engine Cooper JS8	6.8 mmBtu/hr	Before 1972	None
	02-AUX	Natural Gas Fired Engine Cooper JS8	6.8 mmBtu/hr	Before 1972	None
	03-AUX	Natural Gas Fired Engine, Caterpillar	6.4 mmBtu/hr	1994	None
	Recovery-1	Natural Gas Fired Engine, Caterpillar G33061TAA	1.4 mmBtu/hr	1995	None
02	13-ENG	Natural Gas Fired turbine, GE	139.8 mmBtu/hr	Before 1972	None
	14-ENG	Natural Gas Fired turbine, GE	139.8 mmBtu/hr	Before 1972	None
	15-ENG	Natural Gas Fired turbine, GE	139.8 mmBtu/hr	Before 1972	None
03	01-BOL	Natural Gas Fired Boiler	16.5 mmBtu/Hr	Before 1972	None
	02-BOL	Natural Gas Fired Boiler	16.5 mmBtu/Hr	Before 1972	None
	04-BOL	Natural Gas Fired Boiler	12.5 mmBtu/Hr	1999	None
04	01-DHY	Glycol Dehydration Unit	----	Before 1982	Condenser and Flare
05	01-Flare	Backup Flare	----	Before 1982	None

Emission Unit	Plant Emission Unit	Emission Unit Description	Rated Capacity	Date of Construction	Emission Control
06	GASTNK	Gasoline Storage Tank	1,000 Gallon	----	Submerged Loading Pipe
	M2 and M4	Methanol storage Tanks	20,000 Gallon	----	Submerged Loading Pipe

5.0 OVERALL SOURCE CONDITIONS

5.1 Applicability of Clean Air Act Permit Program (CAAPP)

5.1.1 This permit is issued based on the source requiring a CAAPP permit as a major source of NO_x, VOM, CO, and HAP's emissions.

5.2 Area Designation

This permit is issued based on the source being located in an area that, as of the date of permit issuance, is designated nonattainment for the National Ambient Air Quality Standards for ozone (moderate non-attainment) and PM₁₀ (moderate non-attainment) and attainment or unclassifiable for all other criteria pollutants.

5.3 Source-Wide Applicable Provisions and Regulations

5.3.1 Specific emission units at this source are subject to particular regulations as set forth in Section 7 (Unit-Specific Conditions for Specific Emission Units) of this permit.

5.3.2 In addition, emission units at this source are subject to the following regulations of general applicability:

- a. No person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally overhead at a point beyond the property line of the source unless the wind speed is greater than 40.2 kilometers per hour (25 miles per hour), pursuant to 35 IAC 212.301 and 212.314.
- b. Pursuant to 35 IAC 212.123(a), 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, except as allowed by 35 IAC 212.123(b) and 212.124.

5.3.3 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.

5.3.4 Risk Management Plan (RMP)

Should this stationary source, as defined in 40 CFR 68.3, become subject to the federal regulations for Chemical Accident Prevention in 40 CFR Part 68, then the owner or operator shall submit the items below. This condition is imposed in this permit pursuant to 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 RMP, as part of the annual compliance certification required by Condition 9.8.

5.3.5 Future Emission Standards

- a. Should this stationary source become subject to a new or revised regulation under 40 CFR Parts 60, 61, 62, or 63, or 35 IAC Subtitle B 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 Condition 9.8. This permit may also have to be revised or reopened to address such new or revised regulations (see Condition 9.12.2).
- b. This permit and the terms and conditions herein do not affect the Permittee's past and/or continuing obligation with respect to statutory or regulatory requirements governing major source construction or modification under Title I of the CAA. Further, neither the issuance of this permit nor any of the terms or conditions of the permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of permit issuance.

5.3.6 Episode Action Plan

- a. Pursuant to 35 IAC 244.141, 244.142, and 244.143, 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 and is incorporated by reference into this permit.

- b. The Permittee shall immediately implement the appropriate steps described in this plan should an air pollution alert or emergency be declared by the Director of the Illinois EPA or his or her designated representative.
- c. If an operational change occurs at the source which invalidates the plan, a revised plan shall be submitted to the Illinois EPA for review within 30 days of the change, pursuant to 35 IAC 244.143(d). Such plans shall be further revised if disapproved by the Illinois EPA.

5.4 Source-Wide Non-Applicability of Regulations of Concern

Source-wide non-applicability of regulations of concern are not set for this source. However, there are unit specific non-applicability of regulations of concern set forth in Section 7 of this permit.

5.5 Source-Wide Control Requirements and Work Practices

Source-wide control requirements and work practices are not set for this source. However, there are requirements for unit specific control requirements and work practices set forth in Section 7 of this permit.

5.6 Source-Wide Production and Emission Limitations

5.6.1 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 5.6.1) are set for the purpose of establishing fees and are not federally enforceable (see Section 39.5(18) of the Act).

Permitted Emissions of Regulated Pollutants

Pollutant	Tons/Year
Volatile Organic Material (VOM)	269.39
Sulfur Dioxide (SO ₂)	7.56
Particulate Matter (PM)	59.78
Nitrogen Oxides (NO _x)	6,481.28
HAP, not included in VOM or PM	-----
Total	6,818.01

5.6.2 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.

5.6.3 Other Source-Wide Emission Limitations

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

5.7 Source-Wide Testing Requirements

5.7.1 Pursuant to 35 IAC 201.282 and Section 4(b) of the Act, every emission source or air pollution control equipment shall be subject to the following testing requirements for the purpose of determining the nature and quantities of specified air contaminant emissions and for the purpose of determining ground level and ambient air concentrations of such air contaminants:

- a. Testing by Owner or Operator: The Illinois EPA may require the owner or operator of the emission source or air pollution control equipment to conduct such tests in accordance with procedures adopted by the Illinois EPA, at such reasonable times as may be specified by the Illinois EPA and at the expense of the owner or operator of the emission source or air pollution control equipment. All such tests shall be made by or under the direction of a person qualified by training and/or experience in the field of air pollution testing. The Illinois EPA shall have the right to observe all aspects of such tests [35 IAC 201.282(a)].
- b. Testing by the Illinois EPA: The Illinois EPA shall have the right to conduct such tests at any time at its own expense. Upon request of the Illinois EPA, the owner or operator of the emission source or air pollution control equipment shall provide, without charge to the Illinois EPA, necessary holes in stacks or ducts and other safe and proper testing facilities, including scaffolding, but excluding instruments and sensing devices, as may be necessary [35 IAC 201.282(b)].
- c. Any such tests are also subject to the Testing Procedures of Condition 8.5 set forth in the General Permit Conditions of Section 8.

5.8 Source-Wide Monitoring Requirements

Source-wide monitoring requirements are not set for this source. However, there are provisions for unit specific monitoring set forth in Section 7 of this permit.

5.9 Source-Wide Recordkeeping Requirements

5.9.1 Annual Emission Records

The Permittee shall maintain records of total annual emissions on a calendar year basis for the emission units covered by Section 7 (Unit Specific Conditions for Specific Emission Units) of this permit to demonstrate compliance with Condition 5.6.1, pursuant to Section 39.5(7)(b) of the Act.

5.9.2 Records for HAP Emissions

The Permittee shall maintain records of HAP emissions on a calendar year basis for the emission units covered by Section 7 (Unit Specific Conditions for Specific Emission Units) of this permit, pursuant to Section 39.5(7)(b) of the Act.

5.9.3 Retention and Availability of Records

- a. All records and logs required by this permit shall be retained for at least five years from the date of entry (unless a longer retention period is specified by the particular recordkeeping provision herein), shall be kept at a location at the source that is readily accessible to the Illinois EPA or USEPA, and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request.
- b. The Permittee shall retrieve and print, on paper during normal source office hours, any records retained in an electronic format (e.g., computer) in response to an Illinois EPA or USEPA request for records during the course of a source inspection.

5.10 Source-Wide Reporting Requirements

5.10.1 General Source-Wide Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Air Compliance Unit, of deviations of the source with the permit requirements within 30 days, 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. There are also reporting requirements for unit specific emission units set forth in Section 7 of this permit.

5.10.2 Annual Emissions Report

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

5.11 Source-Wide Operational Flexibility/Anticipated Operating Scenarios

Source-wide operational flexibility is not set for this source. However, there are no provisions for unit specific operational flexibility set forth in Section 7 of this permit.

5.12 Source-Wide Compliance Procedures

5.12.1 Procedures for Calculating Emissions

Except as provided in Condition 9.1.3, compliance with the source-wide emission limits specified in Condition 5.6 shall be addressed by the recordkeeping and reporting requirements of Conditions 5.9 and 5.10, and compliance procedures in Section 7 (Unit Specific Conditions for Specific Emission Units) of this permit.

6.0 CONDITIONS FOR EMISSIONS CONTROL PROGRAMS

This section is reserved for emissions control programs. As of the date of issuance of this permit, there are no such programs applicable to this source.

7.0 UNIT SPECIFIC CONDITIONS FOR SPECIFIC EMISSION UNITS

7.1 Unit 01: Natural Gas Fired Engines

7.1.1 Description

These engines are used for natural gas compression and powering station generators. Each engine burns natural gas as a fuel.

7.1.2 List of Emission Units and Air Pollution Control Equipment

Plant Emission Unit	Natural Gas Fired Engine Description	Rated mmBtu/hr	Date of Construction	Control
01-ENG	Cooper GMWH8	27.2	Before 1972	None
02-ENG	Cooper GMWH8	27.2	Before 1972	None
03-ENG	Cooper GMWH8	27.2	Before 1972	None
04-ENG	Cooper GMWH8	27.2	Before 1972	None
05-ENG	Cooper GMWH8	27.2	Before 1972	None
06-ENG	Cooper 10W330	44.6	Before 1972	None
07-ENG	IR SVG12	5.3	Before 1972	NSCR
08-ENG	IR SVG12	5.3	Before 1972	NSCR
09-ENG	IR SVG12	5.3	Before 1972	NSCR
10-ENG	IR SVG12	5.3	Before 1972	NSCR
12-ENG	Cooper GMVH0	19.8	Before 1972	None
01-AUX	Cooper JS8 (Emergency Generator)	6.8	Before 1972	None
02-AUX	Cooper JS8 (Emergency Generator)	6.8	Before 1972	None
03-AUX	Caterpillar 3512	6.4	1994	None
Recovery-1	Caterpillar G33061TAA	1.4	1995	None

7.1.3 Applicable Provisions and Regulations

- a. The "affected engine" for the purpose of these unit-specific conditions, is an emission unit described in Conditions 7.1.1 and 7.1.2.
- b. No person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission unit to exceed 2,000 ppm [35 IAC 214.301].
- c. No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lb/hr) of organic material into the atmosphere from any emission unit, except as provided in 35 IAC 215.302, 215.303, or 215.304 and the following exemption: If no odor nuisance exists the limitation of 35 IAC 215 Subpart G shall only apply to photochemically reactive material [35 IAC 215.301].
- d. Pursuant to 35 IAC 212.123(a), 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, except as allowed by 35 IAC 212.123(b) and 212.124.

- e. The existing Engines 7, 8, 9, 10 and auxiliary engines 1 and 2 are subject 40 CFR 63, Subpart ZZZZ. The Permittee shall comply with all applicable emission and operating limitations by June 15, 2007, pursuant to 40 CFR 63.6595(a).
- f. Effective June 15, 2007 the auxiliary engines 1 and 2 will be operating as emergency generators without the non-selective catalyst reduction, thus these units will be qualified as insignificant activities pursuant to 35 IAC 201.210(a)(16).
- g. Startup Provisions

Subject to the following terms and conditions, the Permittee is authorized to operate an affected engine in violation of the applicable standards in Condition 7.1.3(d) during startup. This authorization is provided pursuant to 35 IAC 201.149, 201.161 and 201.262, as the Permittee has applied for such authorization in its application, generally describing the efforts that will be used "...to minimize startup emissions, duration of individual starts, and frequency of startups."

- i. This authorization does not relieve the Permittee from the continuing obligation to demonstrate that all reasonable efforts are made to minimize startup emissions, duration of individual startups and frequency of startups.
- ii. The Permittee shall conduct startup of the affected engines in accordance with written procedures prepared by the Permittee that are specifically developed to minimize emissions from startups and that include, at a minimum, the following measures:
 - A. The Permittee shall conduct startup of an affected engine in accordance with the manufacturer's written instructions or other written instructions prepared by the Permittee and maintained on site.
- iii. The Permittee shall fulfill applicable recordkeeping and reporting requirements of Condition 7.1.9(d) and 7.1.10(c).
- iv. As provided by 35 IAC 201.265, an authorization in a permit for excess emissions during startup does not shield a Permittee from enforcement for any violation of applicable emission standard(s) that occurs during

startup and only constitutes a prima facie defense to such an enforcement action provided that the Permittee has fully complied with all terms and conditions connected with such authorization.

7.1.4 Non-Applicability of Regulations of Concern

- a. The affected engine is not subject to 35 IAC 212.321 or 212.322, because due to the unique nature of these units, a process weight rate can not be set so that such rules can not reasonably be applied.
- b. The affected engine is not subject to 35 IAC 216.121, , because emissions of carbon monoxide from fuel combustion emission units, because the affected engine is not by definition a fuel combustion emission unit.
- c. The affected engine is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the affected engine does not use an add-on control device to achieve compliance with an emission limitation or standard.
- d. The affected engines 7, 8, 9, 10 and Aux 1 and 2 are not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because these engines are subject to a NESHAP (40 CFR 63, Subpart ZZZZ) proposed after November 15, 1990 pursuant to 40 CFR 64.2(b) (1) (i).
- e. Effective June 15, 2007 the auxiliary engines 1 and 2 are not subject to 40 CFR 63, Subpart ZZZZ, because they will be operating as emergency generators without the non-selective catalyst reduction.
- f. The affected engines 1, 2, 3, 4, 5, 6, 12, and Aux 3 are not subject to 40 CFR 63, Subpart ZZZZ, pursuant to 40 CFR 6590(b)(3).

7.1.5 Control Requirements and Work Practices

Control requirements and work practices are not set for the affected engine. However, there are requirements for source-wide control requirements and work practices set forth in Condition 5.5.

7.1.6 Production and Emission Limitations

In addition to Condition 5.3.2 and the source-wide emission limitations in Condition 5.6, the affected engine is subject to the following:

- a. Natural Gas shall be the only fuel fired in the affected engine.

- b. The affected engines 7, 8, 9, 10 are subject to the emission and operating limitations pursuant to 40 CFR 63.6600.

7.1.7 Testing Requirements

- a. Engines not Subject to 40 CFR 63, Subpart ZZZZ
 - i. The Permittee shall have the opacity of the exhaust from the affected engines that are not subject to 40 CFR 63 Subpart ZZZZ, during representative operating conditions determined by a qualified observer in accordance with USEPA Test Method 9, as further specified below, pursuant to Section 39.5(7)(d) of the Act.
 - A. For each affected engine, annually. For this purpose, testing shall first be conducted within the first quarter of operation of the engine after the effective date of this condition.
 - B. Upon written request by the Illinois EPA, such testing shall be conducted for specific engine(s) within 45 calendar days of the request, or on the date engine(s) next operates, or on the date agreed upon by the Illinois EPA, whichever is later.
 - ii. The duration of opacity observations for each test shall be at least 30 minutes (five 6-minute averages) unless the average opacities for the first 12 minutes of observations (two six-minute averages) are both less than 10.0 percent.
 - iii. A. The Permittee shall notify the Illinois EPA at least 7 days in advance of the date and time of these tests, in order to allow the Illinois EPA to witness testing. This notification shall include the name and employer of the qualified observer(s).
 - B. The Permittee shall promptly notify the Illinois EPA of any changes in the time or date for testing.
 - C. The Permittee shall provide a copy of its observer's readings to the Illinois EPA at the time of testing, if Illinois EPA personnel are present.
 - iv. The Permittee shall submit a written report for this testing within 15 days of the date of testing. This report shall include:

- A. Date and time of testing.
 - B. Name and employer of qualified observer.
 - C. Copy of current certification.
 - D. Description of observation conditions.
 - E. Description of engine operating conditions.
 - F. Raw data.
 - G. Opacity determinations.
 - H. Conclusions.
- b. Engines subject to 40 CFR 63, Subpart ZZZZ
- The existing engines 7, 8, 9, 10 are subject to the testing requirements pursuant to 40 CFR 63.6620.

7.1.8 Monitoring Requirements

- a. Engines not Subject to 40 CFR 63, Subpart ZZZZ
- Monitoring requirements are not set for the affected engine.
- b. Engines subject to 40 CFR 63, Subpart ZZZZ
- The existing engines 7, 8, 9, 10 and Auxiliary 1 and Auxiliary 2 are subject to the monitoring requirements pursuant to 40 CFR 63.6625.

7.1.9 Recordkeeping Requirements

In addition to the records required by Condition 5.9, the Permittee shall maintain records of the following items for each affected engine to demonstrate compliance with Condition 5.6.1, pursuant to Section 39.5(7)(b) of the Act:

- a. The Permittee shall maintain records of the following items to demonstrate compliance with Condition 5.5 and 7.1.6.
 - i. The hours of operation of the affected engines.
 - ii. The amount of natural gas used by the affected engines, in mmscf/mo and mmscf/yr.
 - iii. The number of startups totaled per month and per year for each affected engine.

- iv. The load of operation for the affected engine in % load.
- v. The emissions of CO, NO_x and VOM for the affected engine in, ton/mo and ton/yr (12 month running total).
- vi. The annual emissions of VOM, PM, NO_x and SO₂ from the affected engine, in ton/yr.

b. Records for Startup

The Permittee shall maintain the following records, pursuant to Section 39.5(7)(b) of the Act, for each affected engine subject to Condition 7.1.3(f), which at a minimum shall include:

- i. The following information for each startup of engine:
 - A. Date and duration of the startup, i.e., start time and time normal operation achieved.
 - B. If normal operation was not achieved within one hour, an explanation why startup could not be achieved within this time.
 - C. A detailed description of the startup, including reason for operation and whether the provisions of 7.1.3(i) was performed.
 - D. An explanation why the provisions of 7.1.3(ii)(A) and other established startup procedures could not be performed, if not performed.
 - E. Whether exceedance of Condition 5.3.2 may have occurred during startup. If an exceedance may have occurred, an explanation of the nature of opacity, i.e., severity and duration, during the startup and the nature of opacity at the conclusion of startup.
 - ii. A maintenance and repair log for each affected engine, listing each activity performed with date.
- c. The Permittee shall maintain the following records to demonstrate good operating practices and procedures for the affected engines in accordance with Condition 7.1.5(b).
- i. Records for periodic inspections of the affected engines with date, individual performing the inspection and the nature of the inspection

- ii. A maintenance and repair log for each affected engine, listing each activity performed and date.
- d. The Permittee shall maintain records of the following items for each exceedance of the limits in Conditions 7.1.3, 7.1.5 or 7.1.6, which shall include:
 - i. Identification of the limit that may have been exceeded.
 - ii. Duration of the possible exceedance.
 - iii. An estimate of the amount of emissions in excess of the applicable standard.
 - iv. A description of the cause of the possible exceedance.
 - v. When compliance was reestablished.
- e. Pursuant to 35 IAC 201.263 and Sections 39.5(7)(a) and (e) of the Act, the following records related to startup of the affected engines:
 - i. The Permittee's startup procedures for the affected engines, as required by Condition 7.1.3(e), accompanied by the Permittee's estimate of opacity levels during a typical startup, with supporting information.
 - ii. The following information for each startup of an affected engine:
 - A. Date, time, duration, description of startup (e.g., scheduled or unscheduled startup), and fuel fired.
 - B. If stable operation with engine systems operating to enable compliance with the applicable opacity standard is achieved within 6 minutes of initial firing of fuel, confirmation that the Permittee's startup procedures were followed.
 - C. I. If stable operation with engine systems operating to enable compliance with the applicable opacity standard was not achieved within 24 minutes of initial firing of fuel: (1) The elapsed time from initial firing of fuel to achievement of such conditions, and (2) A detailed explanation why startup of the engine could not be completed sooner.

- II. If the Permittee's startup procedures were not followed, a detailed explanation why such procedures were not followed.
- III. If an exceedance of 35 IAC 212.123 (Condition 7.1.3(d)) may have occurred during startup, a detailed explanation of the reasons for excess opacity and the estimated duration of excess opacity (minutes).
- D. If the startup of the engine was observed, the nature of opacity, i.e., severity and duration, during the startup and the nature of opacity at the conclusion of startup, if above normal.
- E. If operation of the engine was scheduled or the operation of the engine after completion of startup was otherwise observed, the observed condition of the engine, after completion of startup.

7.1.10 Reporting Requirements

- a. Engines not Subject to 40 CFR 63, Subpart ZZZZ

The Permittee shall promptly notify the Illinois EPA, Air Compliance Unit, of deviations of the affected engine 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:

- i. Reporting of Deviations

For the affected engines, the Permittee shall promptly notify the Illinois EPA of deviations from permit requirements as follows, pursuant to Section 39.5(7)(f)(ii) of the Act:

- A. 1. The Permittee shall immediately notify the Illinois EPA's Regional Office, by telephone (voice, facsimile or electronic) for each incident, other than during startup, in which the opacity from an affected engine exceeds or may have exceeded the limit in Condition 7.1.3(d) (30 percent) for three or more 6-minute averaging periods. (Otherwise, if opacity during an incident only exceeds or may have exceeded 30 percent for no more than one or two 6-minute averaging periods, the Permittee need only report

the incident in accordance with Condition 7.1.10(a)(ii)(A).)

2. Upon conclusion of such incident, the Permittee shall submit a follow-up report to the Illinois EPA, Compliance Section and Regional Office, within 15 days providing a detailed description of the incident and its cause(s), an explanation why continued operation of the engine was necessary, the length of time during which operation continued under such conditions, the measures taken by the Permittee to minimize and correct deficiencies with chronology, and when the repairs were completed or when the engine was taken out of service.

- B. 1. Reporting with the semi annual reports required by Condition 7.1.10(b) for other deviations not addressed by Condition 7.1.10(a)(i) or (ii), including deviations from applicable emission standards, inspection requirements and recordkeeping requirements. For this purpose, these reports shall include a description of each deviation and a discussion of the probable cause of the deviation, the corrective actions taken, and the preventative measures taken,

2. With these reports, the Permittee shall also address deviations that occurred during the reporting period that have been separately reported to the Illinois EPA, with a summary of such deviations. For this purpose, the Permittee need not resubmit the detailed information provided in the initial notifications and reports for such deviations.

ii. Semi Annual Reports

The Permittee shall submit semi annual reports to the Illinois EPA that include the following information for startups of the affected engines during each reporting period, pursuant to 35 IAC 201.263 and Sections 39.5(7)(a) and (f) of the Act.

- A. For each affected engine, a listing of each startup, including date and description, accompanied by a copy of the records pursuant to Condition 7.1.9(d)(ii)(C) for each startup for which such records were required.

- B. If there have been no startups of an affected engine during the quarter, this shall be stated in the report.
- iii. The Permittee shall notify the Illinois EPA within 30 days of an exceedance of the limits in Conditions 7.1.3, 7.1.5, or 7.1.6. The notification shall include:
 - A. Identification of the limit that may have been exceeded.
 - B. Duration of the possible exceedance.
 - C. An estimate of the amount of emissions in excess of the applicable standard.
 - D. A description of the cause of the possible exceedance.
 - E. When compliance was reestablished.
 - iv. The Permittee shall submit the following information along with its annual emission report:
 - A. A summary of exceedances of the limits in Conditions 7.1.3 and 7.1.6, if any, which require notification to the Compliance Section in accordance with Condition 7.1.10(a).
 - B. The annual emissions of CO, NO_x and VOM for the affected engine for each month of the previous year, to demonstrate compliance with Condition 7.1.6 (e.g., for the month of January, the emissions from February of the preceding calendar year through January, for the month of February, the emissions from March of the preceding calendar year through February, 12 months in all).
- b. Engines Subject to 40 CFR 63, Subpart ZZZZ

The existing engines 7,8,9,10 and Auxiliary 1 and Auxiliary 2 are subject to the reporting requirements pursuant to 40 CFR 63.6650.

7.1.11 Operational Flexibility/Anticipated Operating Scenarios

Operational flexibility is not set for the affected engine.

7.1.12 Compliance Procedures

- a. Compliance with Condition 7.1.3(b), 7.1.3(c), 7.1.3(d), 7.1.3(e), and 7.1.3(f) is addressed by inspection, recordkeeping, and reporting requirements.
- b. Compliance with the emission limits in Condition 5.5 from the affected engines shall be based on the recordkeeping requirements in Condition 7.1.9 and the emission factors and formulas listed below:

Pollutant	Engines 01-ENG to 05-ENG		Engine 06-ENG		Engines 07-ENG to 10-ENG	
	(lb/hr)	Basis	(lb/hr)	Basis	(lb/hr)	Basis
VOM _x	3.3	2	5.3	2	0.15	2
SO ₂	0.02	2	0.033	2	0.003	2
PM	1.30	2	2.15	2	0.10	2
NO _x	180	1	141.4	2	41	1

Pollutant	Engine 12-ENG		Engines 01-AUX to 02-AUX		Engines 03-AUX	
	(lb/hr)	Basis	(lb/hr)	Basis	(lb/hr)	Basis
VOM _x	2.4	2	0.2	2	0.75	2
SO ₂	0.01	2	0.004	2	0.003	2
PM	0.96	2	0.13	2	0.08	2
NO _x	72	1	15	2	26.1	2

Pollutant	Engine Recovery-1 (lb/hr)
	VOM _x
NO _x	0.14

Factor Basis:

- ¹ Stack test data - Pound per hour (lb/hr) factors were calculated using maximum consumption conditions.
- ² AP-42 (5th Edition), Chapter 3, Section 2, Table 3.2-1 (August 2000) - Emission factor in units of lb/mmBtu were used in combination with maximum rating capacity (mmBtu/hr) to establish the lb/hr emission rate.

$$\text{Gas Engine Emissions (ton/year)} = \text{The Appropriate Emission Factor [lb/hr]} \times \text{Actual Operating Hours [hours/year]} \times 0.0005 \text{ [ton/lb]}$$

7.2 Unit 02: Three (3) Natural Gas Fired Turbines

7.2.1 Description

The turbines are used to provide power to the compressor units at the source. The turbines do not utilize any control equipment. The turbines burn natural gas as the fuel.

7.2.2 List of Emission Units and Air Pollution Control Equipment

Plant Emission Unit	Natural Gas Fired Turbine	Date of Construction
13-ENG	GE 7500 HP	Before 1972
14-ENG	GE 7500 HP	Before 1972
15-ENG	GE 7500 HP	Before 1972

7.2.3 Applicable Provisions and Regulations

- a. The "affected turbine" for the purpose of these unit-specific conditions, is an emission unit described in Conditions 7.1.1 and 7.1.2.
- b. No person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission unit to exceed 2,000 ppm [35 IAC 214.301].
- c. No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lb/hr) of organic material into the atmosphere from any emission unit, except as provided in 35 IAC 215.302, 215.303, or 215.304 and the following exemption: If no odor nuisance exists the limitation of 35 IAC 215 Subpart G shall only apply to photochemically reactive material [35 IAC 215.301].
- d. Pursuant to 35 IAC 212.123(a), 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, except as allowed by 35 IAC 212.123(b) and 212.124.

7.2.4 Non-Applicability of Regulations of Concern

- a. The affected turbine is not subject to 35 IAC 216.121 (carbon monoxide emissions limits), because the affected turbine is not by definition a fuel combustion emission unit.
- b. The affected turbine is not subject to 35 IAC 217.121 (nitrogen oxides emission limits), because the affected turbine by definition a fuel combustion emission unit.
- c. The affected turbine is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary

Sources, because the affected turbine does not use an add-on control device to achieve compliance with an emission limitation or standard.

7.2.5 Control Requirements and Work Practices

Natural gas shall be the only fuel fired in the affected turbine

7.2.6 Production and Emission Limitations

Production and emission limitations are not set for the affected turbine. However, there are source-wide production and emission limitations set forth in Condition 5.6.

7.2.7 Testing Requirements

Testing requirements are not set for the affected turbine. However, there are source-wide testing requirements in Condition 5.7 and general testing requirements in Condition 8.5.

7.2.8 Monitoring Requirements

Monitoring requirements are not set for the affected turbine. However, there may be provisions for source-wide monitoring requirements set forth in Condition 5.8 of this permit.

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 turbine to demonstrate compliance with Conditions 5.6.1 and 7.2.3, 7.2.5 pursuant to Section 39.5(7)(b) of the Act:

- a. The Permittee shall maintain records of the following items to demonstrate compliance with Condition 5.5 and 7.2.6.
 - i. The hours of operation of the affected engines.
 - ii. The amount of natural gas used by the affected engines, in mmscf/mo and mmscf/yr.
 - iii. The number of startups totaled per month and per year for the affected engines.
 - iv. The load of operation for affected engines 12, 13, 14 in % load.
 - v. The emissions of CO, NO_x and VOM for affected engines 12, 13, 14 in ton/mo and ton/yr (12 month running total).
 - vi. The annual emissions of VOM, PM, NO_x and SO₂ from the affected engines, in ton/yr.

- b. The Permittee shall maintain the following records to demonstrate good operating practices and procedures for the affected engines in accordance with Condition 7.2.5(b).
 - i. Records for periodic inspections of the affected engines with date, individual performing the inspection and the nature of the inspection.
 - ii. A maintenance and repair log for each affected engine, listing each activity performed and date.
- c. The Permittee shall maintain records of the following items for each exceedance of the limits in Conditions 7.2.3, 7.2.5 or 7.2.6, which shall include:
 - i. Identification of the limit that may have been exceeded.
 - ii. Duration of the possible exceedance.
 - iii. An estimate of the amount of emissions in excess of the applicable standard.
 - iv. A description of the cause of the possible exceedance.
 - v. When compliance was reestablished.

7.2.10 Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section of deviations of the affected engines 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. For the affected engines, the Permittee shall promptly notify the Illinois EPA of deviations from permit requirements as follows, pursuant to Section 39.5(7)(f)(ii) of the Act:
 - i. A. The Permittee shall immediately notify the Illinois EPA's Regional Office, by telephone (voice, facsimile or electronic) for each incident, other than during startup, in which the opacity from an affected engine exceeds or may have exceeded the limit in Condition 7.2.3(d) (30 percent) for three or more 6-minute averaging periods. (Otherwise, if opacity during an incident only exceeds or may have exceeded 30 percent for no more than one or two 6-minute averaging periods, the Permittee need only report the incident in the

semi-annual report for the engines accordance with Condition 7.2.10(b).

- B. Upon conclusion of such incident, the Permittee shall submit a follow-up report to the Illinois EPA, Compliance Section and Regional Office, within 15 days providing a detailed description of the incident and its cause(s), an explanation why continued operation of the engine was necessary, the length of time during which operation continued under such conditions, the measures taken by the Permittee to minimize and correct deficiencies with chronology, and when the repairs were completed or when the engine was taken out of service.
- b. The Permittee shall notify the Illinois EPA within 30 days of an exceedance of the limits in Conditions 7.2.3, 7.2.5, or 7.2.6. The notification shall include:
 - i. Identification of the limit that may have been exceeded.
 - ii. Duration of the possible exceedance.
 - iii. An estimate of the amount of emissions in excess of the applicable standard.
 - iv. A description of the cause of the possible exceedance.
 - v. When compliance was reestablished.
 - c. The Permittee shall submit the following information along with its annual emission report:
 - i. A summary of exceedances of the limits in Conditions 7.2.3 and 7.2.6, if any, which require notification to the Compliance Section in accordance with Condition 7.2.10(a).
 - ii. The annual emissions of CO, NO_x and VOM for affected engines 12, 13, 14 for each month of the previous year, to demonstrate compliance with Condition 7.2.6 (e.g., for the month of January, the emissions from February of the preceding calendar year through January, for the month of February, the emissions from March of the preceding calendar year through February, 12 months in all).

7.2.11 Operational Flexibility/Anticipated Operating Scenarios

The Permittee is authorized to make the following physical or operational change with respect to the affected turbine without

prior notification to the Illinois EPA or revision of this permit. This condition does not affect the Permittee's obligation to properly obtain a construction permit in a timely manner for any activity constituting construction or modification of the source, as defined in 35 IAC 201.102:

None

7.2.12 Compliance Procedures

- a. Compliance with Conditions 7.2.3 (b) and (c) is addressed by the records and reports required in Conditions 7.2.9 and 7.2.10.
- b. Compliance with Conditions 7.2.3 (d) is addressed by the reports required in Conditions 7.2.10.
- c. Compliance with the emission limits in Condition 5.5 from the affected turbine shall be based on the recordkeeping requirements in Condition 7.2.9 and the emission factors and formulas listed below:

Pollutant	Engines 13-ENG to 15-ENG	
	(lb/hr)	Factor Basis
VOM _x	0.17	1
SO ₂	0.04	2
PM	1.04	2
NO _x	21.5	1

Factor Basis:

¹ AP-42 5th Edition), Chapter 3, Section 2, Table 3.2-1 10/96 - Natural gas fired turbines, lb/hr emission factor determine using maximum operating conditions.

² USEPA Fire Database Version 6.0 - Natural gas fired turbines, lb/hr emission factor determine using maximum operating conditions.

$$\text{Gas Turbine Emissions (ton/year)} = \text{The Appropriate Emission Factor [lb/hr]} \times \text{Actual operating Hours [hours/year]} \times 0.0005 \text{ [ton/lb]}$$

7.3 Gas Fired Boilers

7.3.1 Description

The boilers are used to produce steam for heating at the source. The boiler combust natural gas to produce steam for heating.

7.3.2 List of Emission Units and Air Pollution Control Equipment

Emission Unit	Description	Emission Control Equipment
01-BOL	16.5 mmBtu/Hr Gas Fired Boiler	None
02-BOL	16.5 mmBtu/Hr Gas Fired Boiler	None
04-BOL	12.5 mmBtu/Hr Gas Fired Boiler	None

7.3.3 Applicable Provisions and Regulations

- a. The "affected boiler" for the purpose of these unit-specific conditions, is the emission unit described in Conditions 7.3.1 and 7.3.2.
- b. The affected boiler 04-BOL for the purpose of these unit specific conditions is a steam generating unit that is fired with natural gas, with a maximum heat input capacity of 100 mmBtu/hr or less, but greater than or equal to 10 mmBtu/hr, and constructed after June 9,1989. As a consequence, the affected boiler 04-BOL is subject to the Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60 Subpart Dc.
- c. The emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission unit with actual heat input greater than 2.9 MW (10 mmBtu/hr) shall not exceed 200 ppm, corrected to 50 percent excess air [35 IAC 216.121].
- d. The affected boiler (04-BOL) is subject only to the daily fuel recordkeeping requirements of 40 CFR 60.48c(g), NSPS for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60 Subpart Dc.
- e. Pursuant to 35 IAC 212.123(a), 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, except as allowed by 35 IAC 212.123(b) and 212.124.

7.3.4 Non-Applicability of Regulations of Concern

- a. The affected boiler is not subject to 35 IAC 218.301 (VOM), pursuant to 35 IAC 218.303.

- b. The affected boiler is not subject to 35 IAC 217.121 (NO_x), emission of nitrogen oxides from new fuel combustion emission sources, because the actual heat input of each of these affected boilers is less than 73.2 MW (250 mmBtu/hr).

7.3.5 Control Requirements and Work Practices

Control requirements are not set for the affected boiler.

7.3.6 Production and Emission Limitations

- a. Emissions of NO_x, CO, SO₂, PM and VOM from the affected boiler 04-BOL shall not exceed 0.57, 0.84, 0.03, 0.41 and 0.3 tons/year, respectively. These calculations are based from maximum emission rates from application and maximum operation hours. Compliance with these annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months. These limits are established in construction permit # 99090038 [T1].

- b. Natural gas shall be the only fuel burned in the boilers.

7.3.7 Testing Requirements

Testing requirements are not set for the affected boiler. However, there are source-wide testing requirements in Condition 5.7 and general testing requirements in Condition 8.5.

7.3.8 Monitoring Requirements

Monitoring requirements are not set for the affected boiler.

7.3.9 Recordkeeping Requirements

In addition to the records required by Condition 5.9, the Permittee shall maintain records of the following items for the affected boiler to demonstrate compliance with Conditions 5.6.1, pursuant to Section 39.5(7)(b) of the Act:

- a. Total usage of natural gas (mmft³/yr);
- b. Emissions of NO_x, VOM, SO₂ and PM (ton/yr); and
- c. Daily usage of fuel for boiler (04-BOL) (mmft³/yr).

7.3.10 Reporting Requirements

- a. The Permittee shall promptly notify the Illinois EPA, Air Compliance Unit, of deviations of the affected boiler 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:

- i. Emissions of NO_x, VOM, SO₂ and PM from the affected boiler in excess of the limits specified in Condition 7.3.3 within 30 days of such occurrence.

7.3.11 Operational Flexibility/Anticipated Operating Scenarios

Operational flexibility is not set for the affected boiler.

7.3.12 Compliance Procedures

- a. Compliance with Condition 7.3.3(b) are addressed by the normal work practices and maintenance activities inherent in operation of natural gas fired boilers.
- b. Compliance with Condition 7.3.3(c) are addressed by inspection, recordkeeping, and reporting.
- c. Compliance with Condition 7.3.3(d) are addressed by inspection, recordkeeping, and reporting.
- d. Compliance with Condition 7.3.3(e) are addressed by inspection, recordkeeping, and reporting.
- f. Compliance with the emission limits in condition 5.5 shall be based on the recordkeeping requirements in Condition 7.3.9 and the emission factors and formulas listed below:

<u>Pollutant</u>	<u>Emission Factor (lb/10⁶ ft³)</u>
NO _x	100.0
PM	7.6
VOM	5.5
SO ₂	0.6

These are the emission factors for uncontrolled natural gas combustion in small industrial boilers (<100 mmBtu/hr), Tables 1.4.1 and 1.4.2, AP-42, Volume I, 5th Edition, March 1998 Revision.

$$\text{Boiler emissions (ton/yr)} = (\text{natural gas consumed}) \times (\text{appropriate emission factor}) / (2000)$$

7.4 Unit 04: Glycol Dehydration Unit (01-DHY)

7.4.1 Description

The glycol dehydration unit is associated with the underground natural gas storage fields at the station. This is used to remove water from natural gas prior to returning to the pipeline for shipment. The water in the natural gas is removed from the natural gas using a glycol solution. The glycol solution is continually recycled, using a reboiler to heat the glycol to remove the water. Once the water is removed from the glycol it is stored in the new storage tank. As part of this process, trace levels of organic compounds are also removed from the natural gas with the water. When the glycol solution is heated, the organic compounds are volatilized and emitted at the dehydration unit still column. The emission of dehydration unit still column is controlled by the flare.

7.4.2 List of Emission Units and Air Pollution Control Equipment

Emission Unit	Description	Emission Control Equipment
01-DHY	Glycol Dehydration Unit	Condenser (02-CND) and Flare (02-FLR)

7.4.3 Applicable Provisions and Regulations

- a. The "affected glycol dehydration unit" for the purpose of these unit-specific conditions, is an emission unit described in Conditions 7.4.1 and 7.4.2.
- b. No person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission unit to exceed 2,000 ppm [35 IAC 214.301].
- c. The affected glycol dehydration unit is subject to the National Emission Standard for Hazardous Air Pollutants (NESHAP), 40 CFR 63 Subpart HHH: Natural Gas Transmission and Storage Facilities, because the affected dehydration process is located in an existing major source of hazardous air pollutant (HAP) that transmit and store natural gas. The Permittee must keep a record of the determination in accordance with Condition 7.4.9(d).

7.4.4 Non-Applicability of Regulations of Concern

- a. The affected glycol dehydration unit is not subject to 35 IAC 216.121, emissions of carbon monoxide from fuel combustion emission units, because the heat input of the heater is less than 10 million Btu/hr.
- b. The affected glycol dehydration unit is not subject to 35 IAC 215.301 because the emissions are not photochemically reactive material as defined in 211.4690.

- c. They are also exempt from monitoring, records, and reports except a record must be kept to show this determination. Monitoring, recordkeeping, and reporting requirements of the NESHAP [40 CFR 63.1274(c)] Subpart HHH is not applicable because the Permittee complies with the exemption threshold in 40 CFR 63.1274(d)(2) of less than 0.9 megagrams per year of actual average emissions of benzene from this unit process vent to the atmosphere as determined by the procedure in 63.1282(a)(2). The Permittee intends to comply with the exemption threshold in 40 CFR 63.1274(d)(2) with the dehydration unit process vent controlled by the flare.. The procedures in 63.1282(a)(2) allow the Permittee to calculate benzene emissions from the flare as long as the flare is part of a federally enforceable Construction Permit 01080018 issued on March 28, 2002 for a smokeless, air assisted flare (prior to the compliance date of HHH of June 17, 2002) makes the operation of the glycol dehydration unit with the flare (control device) federally enforceable. (See Condition 7.4.5(b), 7.4.7, 7.4.8, 7.4.9(c) and 7.4.10).
- d. The affected boiler is not subject to 35 IAC 217.121, emission of nitrogen oxides from new fuel combustion emission sources, because the actual heat input of each of these affected boilers is less than 73.2 MW (250 mmBtu/hr).
- e. The affected glycol dehydration process is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the affected glycol dehydration process is not subject to an emission limitation or standard for the applicable regulated air pollutant.

7.4.5 Control Requirements and Work Practices

- a. Natural gas or process waste gas shall be the only fuel fired in the heater (reboiler) for the affected dehydration unit.
- b.
 - i. The flare in the affected dehydration process shall comply with provisions of the National Emission Standard for Hazardous Air Pollutants (NESHAP), 40 CFR 63.11(b) Control Device Requirements, for unassisted flares.
 - ii. At all times, the Permittee shall to the extent practicable, maintain and operate the new flare, in a manner consistent with good air pollution control practice for minimizing emissions.

7.4.6 Production and Emission Limitations

In addition to Condition 5.3.2 and the source-wide emission limitations in Condition 5.6, the affected dehydration unit is subject to the following:

- a. Emissions from the flare shall not exceed the following limits. These limits are based on the maximum design capacity of the flare as indicated in the application, i.e., approximately 1.057 million Btu/hour, maximum hours of operation 6,570 hours/year and standard USEPA emission factors (AP-42 Table 13.5-1, January 1995). These limits are established in Construction Permit #01080018. [T1]

CO		VOM	
<u>(Lb/Hr)</u>	<u>(Tons/Yr)</u>	<u>(Lb/Hr)</u>	<u>(Tons/Yr)</u>
0.30	1.28	0.32	1.42

- b. Emissions of benzene from the affected dehydration process shall not exceed 0.90 megagram (0.99 tons) per year pursuant to 40 CFR 63.1274(d)(2), as determined in accordance with the procedure in 40 CFR 63.1282(a)(2). [T1]
- c. This permit is issued based on negligible emission of criteria pollutants from the heater or reboiler in the affected dehydration process. For this purpose, negligible emissions shall not exceed nominal emission rate of 0.44 tons/year. These limits are established in Construction Permit #01080018. [T1]

7.4.7 Testing Requirements

Heat content and flow rate of waste gas sent to the flare shall be promptly tested upon request by the Illinois EPA using applicable methods specified in 40 CFR 63.11(b).

7.4.8 Monitoring Requirements

The Permittee shall monitor the presence of a flame in the flare pursuant to 40 CFR 63.11 and 63.1283(d)(3)(i)(c).

7.4.9 Recordkeeping Requirements

In addition to the records required by Condition 5.9, the Permittee shall maintain records of the following items for the affected glycol dehydration unit to demonstrate compliance with Condition 5.6.1, pursuant to Section 39.5(7)(b) of the Act:

- a. The Permittee shall keep the following design records:

- i. Maximum design capacity of the flare in million Btu/hour heat input from both waste gas and pilot flame fuel.
 - ii. Maximum firing rate of the reboiler in the dehydration unit in million Btu/hr.
- b. The Permittee shall keep the following operating records for the unit:
 - i. Glycol circulation rate in the dehydration unit (gallons/minutes).
 - ii. Amount of natural gas processed by the glycol dehydration unit (million scf/yr).
 - iii. Hours of operation (hrs/yr).
- c. The Permittee shall maintain the records required for a flare by 40 CFR 63.1284(e), as if the flare were subject to 40 CFR 63, Subpart HHH.
- d. The Permittee shall keep records of the actual average benzene emission per year in accordance with 40 CFR 63.1284(d).
- e. All records required by this permit shall be retained for a period no less than five years and shall be available for inspection and copying by the Illinois EPA, as required by section 39.5(7) of the Environmental Protection Act.

7.4.10 Reporting Requirements

- a. The Permittee shall promptly notify the Illinois EPA within 30 days of the occurrence, Air Compliance Unit, of deviations of the affected glycol dehydration unit 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:

7.4.11 Operational Flexibility/Anticipated Operating Scenarios

Operational flexibility is not set for the affected glycol dehydration unit.

7.4.12 Compliance Procedures

- a. Compliance with Condition 7.4.3(b) is demonstrated by proper operation of the affected dehydration unit.
- b. Compliance with the emission limits in Condition 7.4.6 shall be based on the recordkeeping requirements in Condition 7.4.9, 7.4.10, and USEPA emission factors.

In particular, purposes of calculating VOM and benzene emissions from the affected dehydration unit process vent, the current version of the *GRI-GLYCalc estimated air emissions program is acceptable.

- * GRI-GLYCalc model was developed by Radian Corporation for the Gas Research Institute (GRI) specifically for estimating BETX/VOM emissions from triethylene glycol (TEG) and ethylene glycol dehydration units.

7.5 Unit 05: Backup Flare 01-FLR

7.5.1 Description

Natural gas production occurs incidentally when water is removed from the natural gas storage facility. Typically, this natural gas is reclaimed using the recovery compressor (RECOVERY-1) and reinjected in to the pipeline. When the recovery compressor is out of service, this natural gas stream is combusted in the backup flare device until the compressor is back on line.

7.5.2 List of Emission Units and Pollution Control Equipment

Emission Unit	Description
01-FLR	Back up Flare

7.5.3 Applicability Provisions and Applicable Regulations

- a. The "affected backup flare" for the purpose of these unit-specific conditions, is the emission unit described in Conditions 7.5.1 and 7.5.2.
- b. No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lb/hr) of organic material into the atmosphere from any emission unit, except as provided in 35 IAC 215.302, 215.303, or 215.304 and the following exemption: If no odor nuisance exists the limitation of 35 IAC 215 Subpart G shall only apply to photochemically reactive material [35 IAC 215.301].
- c. Pursuant to 35 IAC 212.123(a), 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, except as allowed by 35 IAC 212.123(b) and 212.124.

7.5.4 Non-Applicability of Regulations of Concern

This permit is issued based on the affected backup flare not being subject to the requirements of 35 IAC 212.321 or 212.322 because due to the unique nature of the unit, a process weight rate weight can not be set so that such rules can not reasonably be applied.

7.5.5 Operational and Production Limits and Work Practices

The flare control shall be operated at all times when pumps are working and recovery compressor engine (Recovery-1) is not in service.

7.5.6 Emission Limitations

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

None

7.5.7 Testing Requirements

Upon reasonable request by the Illinois EPA, pursuant to Section 39.5(7)(d) of the Act, measurements of organic material emissions shall be conducted in accordance with 40 CFR part 60, Appendix A, 40 CFR 61, Appendix B and 35 IAC 215.102, so as to demonstrate compliance with the emission limits in Condition 7.5.3(b).

Net Heating Value	See 40 CFR 60.18 (f) (3)
Maximum Velocity	See 40 CFR 60.18 (f) (4) and (5)

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 affected backup flare to demonstrate compliance with Conditions 5.5.1, 7.5.5, 7.5.6 and 7.5.7 pursuant to Section 39.5(7)(b) of the Act:

- a. Annual hours of operation of the flare (hours/year)
- b. Calculations which demonstrate that photochemically reactive material emissions do not exceed the limit in 7.5.3(b).

7.5.10 Reporting Requirements

The Permittee shall promptly notify the Illinois EPA, Compliance Section of noncompliance of an affected backup flare 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:

Photochemically reactive material emissions into the atmosphere from an affected dehydration unit in excess of the emission limit specified in Condition 7.5.3(b) 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 shall be based on the recordkeeping requirements in Condition 7.5.9.

- a. Compliance with Condition 7.5.3(b) is demonstrated through the non-photochemical reactivity of organic material emissions from the affected unit by the use of organic material containing materials whose volumetric portion of organic material does not exceed the volumetric percentage thresholds that would render their emissions photochemically reactive, pursuant to 35 IAC 211.4690.
- b. Compliance with the emission limits in Condition 5.5 from the affected unit shall be calculated based on the following emission factors multiplied by the annual hours of operation:

Pollutant	Backup Flare 01-FLR	
	(lb/hr)	Basis
VOM _x	17.2	Calculated Value
SO ₂	0.007	AIRS
PM	0.16	AIRS
NO _x	1.58	AP42

AP-42 - 5th Edition, Table 1.4-1 For Small, Industrial Boiler-Uncontrolled Emissions

AIRS-Aerometric Information System. Facility Subsystem of the USEPA, Document Number:

EPA 450/4-90-003, March 1990

7.6 Unit 06: Storage Tanks

7.6.1 Description

The tanks are used to store gasoline and methanol.

7.6.2 List of Emission Units and Air Pollution Control Equipment

Emission Unit Storage Tank	Description	Emission Control Equipment
GASTNK	1,000 Gallon Gasoline Storage Tank	Submerged Loading
M2 and M4	Two 20,000 Gallon Methanol Storage Tanks	Submerged Loading

7.6.3 Applicable Provisions and Regulations

- a. The "affected tank" for the purpose of these unit-specific conditions, is the emission unit described in Conditions 7.6.1 and 7.6.2.
- b. No person shall cause or allow the loading of any organic material in any stationary tank having a storage capacity of greater than 946 liter (250 gal), unless such tank is equipped with a permanent submerged loading pipe [35 IAC 215.122(b)]. Except as provided in the following exemptions: If the tank is a pressure tank then the limitations of 35 IAC 215.122(b) shall not apply [35 IAC 215.122(c)] or if no odor nuisance exists then the limitation of 35 IAC 215.122(b) shall only apply when the tank is used to store a volatile organic liquid with a vapor pressure of 2.5 psia or greater at 70°F [35 IAC 215.122(d)].
- c. No person shall cause or allow the transfer of gasoline from any delivery vessel into any stationary tank at gasoline dispensing operation, unless such tank is equipped with a submerged loading pipe [35 IAC 215.583(a)(1)].

7.6.4 Non-Applicability of Regulations of Concern

- a. The affected tank is not subject to 35 IAC 215.121, because the affected tank is less than 40,000 gal.
- b. The affected tank is not subject to 35 IAC 215.122(a), because the affected tank is less than 40,000 gal.
- c. The affected tank is not subject to 40 CFR Part 64, Compliance Assurance Monitoring (CAM) for Major Stationary Sources, because the affected tank does not use an add-on control device to achieve compliance with an emission limitation or standard as the submerged loading pipe is considered a passive device.

7.6.5 Control Requirements and Work Practices

On an annual basis, the Permittee shall conduct an inspection of the affected storage tank to review its physical condition and ability to comply with the applicable equipment requirements of Condition 7.5.6 ,pursuant to Section 39.5(7)(a) and (d) of the act.

7.6.6 Production and Emission Limitations

In addition to Condition 5.3.2 and the source-wide emission limitations in Condition 5.6, the affected tank is subject to the following:

Each affected tank subject to the applicable provisions of Condition 7.6.3(c) shall be equipped and operated with a submerged loading pipe, submerged fill, or an equivalent device approved by the Illinois EPA, pursuant to 35 IAC 215.122(b) and/or 215.583(a). (The Illinois EPA has not approved use of other equivalent equipment in lieu of a submerged loading pipe or submerged loading fill.)

7.6.7 Testing Requirements

Testing requirements are not set for the affected tank. However, there are source-wide testing requirements in Condition 5.7 and general testing requirements in Condition 8.5.

7.6.8 Monitoring Requirements

Monitoring requirements are not set for the affected tank.

7.6.9 Recordkeeping Requirements

In addition to the records required by Condition 5.9, the Permittee shall maintain records of the following items for the affected tank to demonstrate compliance with Condition 5.6.1 , pursuant to Section 39.5(7)(b) of the Act:

- a. Design information for the tank showing the presence of a submerged loading pipe or submerged fill.
- b. Maintenance and repair records for the tank, as related to the repair or replacement of the loading pipe, if applicable.
- c. Annual inspection documentation.

7.6.10 Reporting Requirements

- a. The Permittee shall promptly notify the Illinois EPA, Air Compliance Unit, of deviations of the affected tank 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:

- i. Any loading of gasoline or other VOL into an affected tank that was not in compliance with Condition 7.6.6, e.g., no "submerged loading pipe or submerged fill" within thirty days of becoming aware of the noncompliance status. This notification shall include a description of the event, the cause for the noncompliance, actions taken to correct the noncompliance and the steps taken to avoid future noncompliance.
- ii. Any storage of gasoline or other VOL in an affected tank that is out of compliance with the control requirements (Condition 7.6.6) due to damage, deterioration, or other condition of the loading pipe, within 30 days of becoming aware of the noncompliance status. This notification shall include a description of the event, the cause for the noncompliance, actions taken to correct the noncompliance, and the steps to be taken to avoid future noncompliance.

7.6.11 Operational Flexibility/Anticipated Operating Scenarios

The Permittee is authorized to make the following physical or operational change with respect to the affected tank without prior notification to the Illinois EPA or revision of this permit. This condition does not affect the Permittee's obligation to properly obtain a construction permit in a timely manner for any activity constituting construction or modification of the source, as defined in 35 IAC 201.102:

- a. Changes to components related to either the "submerged loading pipe or submerged fill", including addition of new components and repair and replacement of components.
- b. Changes in the material stored in a tank provided the tank continues to comply with the Conditions of Section 7.6.6 of this permit.

7.6.12 Compliance Procedures

Compliance with the emission limits in condition 5.5 and 7.6.6 and 7.6.7 shall be based on the inspection, recordkeeping, and reporting requirements in Condition 7.6.9 and 7.6.10 and the emission factors and formulas listed below:

For the purpose of estimating VOM emissions from the affected storage tank, the current version of the TANKS program is acceptable.

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 November 30, 2006 (the date of issuance of the draft permit) unless this permit has been modified to reflect such new requirements.

8.2 Applicability of Title IV Requirements (Acid Deposition Control)

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

8.3 Emissions Trading Programs

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

8.4 Operational Flexibility/Anticipated Operating Scenarios

8.4.1 Changes Specifically Addressed by Permit

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

8.4.2 Changes Requiring Prior Notification

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

- a. The changes do not violate applicable requirements;
- b. The changes do not contravene federally enforceable permit terms or conditions that are monitoring (including test

methods), recordkeeping, reporting, or compliance certification requirements;

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

8.5 Testing Procedures

Tests conducted to measure composition of materials, efficiency of pollution control devices, emissions from process or control equipment, or other parameters shall be conducted using standard test methods if applicable test methods are not specified by the applicable regulations or otherwise identified in the conditions of this permit.

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 Conditions 8.6.3 and 8.6.4.

8.6 Reporting Requirements

8.6.1 Monitoring Reports

Reports summarizing required monitoring as specified in the conditions of this permit shall be submitted to the Illinois EPA

every six months as follows, unless more frequent submittal of such reports is required in Sections 5 or 7 of this permit [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 determinations of emissions and operation that are intended to be made, including sampling and monitoring locations;
- e. The test method(s) that 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. Unless otherwise specified in the particular provision of this permit or in the written instructions distributed by the Illinois EPA for particular reports, reports and notifications shall be sent to the Illinois EPA - Air Compliance Unit with a copy sent to the Illinois EPA - Air Regional Field Office.
- b. As of the date of issuance of this permit, the addresses of the offices that should generally be utilized for the submittal of reports and notifications are as follows:

- i. Illinois EPA - Air Compliance Unit

Illinois Environmental Protection Agency
Bureau of Air
Compliance & Enforcement Section (MC 40)
P.O. Box 19276
Springfield, Illinois 62794-9276

- ii. Illinois EPA - Air Quality Planning Section

Illinois Environmental Protection Agency
Bureau of Air
Air Quality Planning Section (MC 39)
P.O. Box 19276
Springfield, Illinois 62794-9276

iii. Illinois EPA - Air Regional Field Office

Illinois Environmental Protection Agency
Division of Air Pollution Control
9511 West Harrison
Des Plaines, Illinois 60016

iv. USEPA Region 5 - Air Branch

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

- c. Permit applications should be addressed to the Air Permit Section. As of the date of issuance of this permit, the address of the Air Permit Section is as follows:

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

8.7 Title I Conditions

Notwithstanding the expiration date on the first page of this CAAPP permit, any Title I conditions that would be included in this permit in the future, which would be identified by a T1, T1N, or T1R designation, would remain in effect until such time as the Illinois EPA takes action to revise or terminate them in accordance with applicable procedures for action on Title I conditions. This is because these conditions would either: (a) incorporate conditions of earlier permits that were issued by the Illinois EPA pursuant to authority that includes authority found in Title I of the CAA (T1 conditions), (b) be newly established in this CAAPP permit pursuant to authority that includes such Title I authority (T1N conditions), or (c) reflect a revision or combination of conditions established in this CAAPP permit (T1R conditions). (See also Condition 1.5.)

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.

9.1.2 In particular, this permit does not alter or affect the following [Section 39.5(7)(j)(iv) of the Act]:

- 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, pursuant to Section 39.5(7)(j) and (p) of the Act, 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, or 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 this permit provides for such continued operation consistent with the Act and applicable Illinois Pollution Control Board regulations [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 there under.

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 as may be required by law and in accordance with constitutional limitations, the Permittee shall allow the Illinois EPA, or an authorized representative to perform the following [Sections 4 and 39.5(7)(a) and (p)(ii) of the Act]:

- 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 applicable requirements; 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 regulated 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. At 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 including any logs, plans, procedures, or instructions required to be kept 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, Air Quality Planning 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 Unit, 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 and applicable regulations [Section 39.5(7)(p)(i) of the Act]. An example Certification by a Responsible Official is included as Attachment 1 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 [Section 39.5(7)(k) of the Act]:

- 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.

Note: For this purpose, emergency means a situation arising from sudden and reasonably unforeseeable events beyond the control of the source, as further defined by Section 39.5(7)(k)(iv) of the Act.

- 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 [Section 39.5(7)(k)(iv) of the Act].

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, revoked, reopened and reissued, or terminated for cause in accordance with applicable provisions of Section 39.5 of the Act. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, 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 that inaccurate statements were made in establishing the emission standards or limitations, or other terms or conditions of this permit.

- d. The Illinois EPA or USEPA determines that this permit must be revised or revoked to ensure compliance with the applicable requirements.

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 and reissuance under Section 39.5(15) of the Act, pursuant to Sections 39.5(5)(e) and (i) 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. In the event of a challenge to any portion of the permit, other portions of the permit may continue to be in effect. Should any portion of this permit be determined to be illegal or unenforceable, the validity of the other provisions shall not be affected and 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

Upon the expiration of this permit, if the source is operated, it shall be deemed to be operating without a permit unless a timely and complete CAAPP application has been submitted for renewal of this permit. However, if a timely and complete application to renew this CAAPP permit has been submitted, the terms and all conditions of this CAAPP permit will remain in effect until the issuance of a renewal permit [Section 39.5(5)(l) and (o) of the Act].

Note: Pursuant to Sections 39.5(5)(h) and (n) of the Act, upon submittal of a timely and complete renewal application, the permitted source may continue to operate until final action is taken by the Illinois EPA on the renewal application, provided, however, that this protection shall cease if the applicant fails to submit any additional information necessary to evaluate or take final action on the renewal

application as requested by the Illinois EPA in writing. For a renewal application to be timely, it must be submitted no later than 9 months prior to the date of permit expiration.

9.15 General Authority for the Terms and Conditions of this Permit

The authority for terms and conditions of this permit that do not include a citation for their authority is Section 39.5(7)(a) of the Act, which provides that the Illinois EPA shall include such provisions in a CAAPP permit as are necessary to accomplish the purposes of the Act and to assure compliance with all applicable requirements. Section 39.5(7)(a) of the Act is also another basis of authority for terms and conditions of this permit that do include a specific citation for their authority.

Note: This condition is included in this permit pursuant to Section 39.5(7)(n) of the Act.

10.0 ATTACHMENTS

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: _____

Attachment 2 Emissions of Particulate Matter from Process Emission Units

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

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

where:

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

A. Up to process weight rates of 408 Mg/hr (450 T/hr):

	<u>Metric</u>	<u>English</u>
P	Mg/hr	T/hr
E	kg/hr	lb/hr
A	1.214	2.54
B	0.534	0.534

B. For process weight rate greater than or equal to 408 Mg/hr (450 T/hr):

	<u>Metric</u>	<u>English</u>
P	Mg/hr	T/hr
E	kg/hr	lb/hr
A	11.42	24.8
B	0.16	0.16

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

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

b. Existing Process Emission Units for Which Construction or Modification Prior to April 14, 1972 [35 IAC 212.322].

i. No person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any process emission unit for which construction or modification commenced prior to April 14, 1972, which, either alone or in combination with the emission of particulate matter from all other similar process emission units at a source or premises, exceeds the allowable emission rates specified in subsection (c) of 35 IAC 212.322 [35 IAC 212.322(a)].

ii. Interpolated and extrapolated values of the data in subsection (c) of 35 IAC 212.321 shall be determined by using the equation [35 IAC 212.322(b)]:

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

where:

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

A. Up to process weight rates up to 27.2 Mg/hr (30 T/hr):

	<u>Metric</u>	<u>English</u>
P	Mg/hr	T/hr
E	kg/hr	lb/hr
A	1.985	4.10
B	0.67	0.67
C	0	0

B. For process weight rate in excess of 27.2 Mg/hr (30 T/hr):

	<u>Metric</u>	<u>English</u>
P	Mg/hr	T/hr
E	kg/hr	lb/hr
A	25.21	55.0
B	0.11	0.11
C	- 18.4	- 40.0

iii. Limits for Process Emission Units For Which Construction or Modification Commenced Prior to April 14, 1972 [35 IAC 212.322(c)]:

Metric P <u>Mg/hr</u>	E <u>kg/hr</u>	English P <u>T/hr</u>	E <u>lb/hr</u>
0.05	0.27	0.05	0.55
0.1	0.42	0.10	0.87
0.2	0.68	0.2	1.40
0.3	0.89	0.30	1.83
0.4	1.07	0.40	2.22
0.5	1.25	0.50	2.58
0.7	1.56	0.75	3.38
0.9	1.85	1.00	4.10
1.8	2.9	2.00	6.52
2.7	3.9	3.00	8.56
3.6	4.7	4.00	10.40
4.5	5.4	5.00	12.00
9.0	8.7	10.00	19.20
13.0	11.1	15.00	25.20
18.0	13.8	20.00	30.50
23.0	16.2	25.00	35.40
27.2	18.15	30.00	40.00
32.0	18.8	35.00	41.30
36.0	19.3	40.00	42.50
41.0	19.8	45.00	43.60
45.0	20.2	50.00	44.60
90.0	23.2	100.00	51.20
140.0	25.3	150.00	55.40
180.0	26.5	200.00	58.60
230.0	27.7	250.00	61.00
270.0	28.5	300.00	63.10
320.0	29.4	350.00	64.90
360.0	30.0	400.00	66.20
400.0	30.6	450.00	67.70
454.0	31.3	500.00	69.00

Attachment 3 Compliance Assurance Monitoring (CAM) Plan

There are no specific emission units that require a CAM plan as identified in the Monitoring Requirements of Subsection 8 for each Section 7, Unit Specific Conditions for Specific Emission Units.

Attachment 4 Guidance

The Illinois has prepared guidance for sources on the Clean Air Act Permit Program (CAAPP) that is available on the Internet site maintained by the Illinois EPA, www.epa.state.il.us. This guidance includes instructions on applying for a revision or renewal of the CAAPP permit.

Guidance On Revising A CAAPP Permit:

www.epa.state.il.us/air/caapp/caapp-revising.pdf

Guidance On Renewing A CAAPP Permit:

www.epa.state.il.us/air/caapp/caapp-renewing.pdf

The application forms prepared by the Illinois EPA for the CAAPP are also available from the Illinois EPA's Internet site:

www.epa.state.il.us/air/caapp/index.html

These CAAPP application forms should also be used by a CAAPP source when it applies for a construction permit. For this purpose, the appropriate CAAPP application forms and other supporting information, should be accompanied by a completed Application For A Construction Permit form (199-CAAPP) and Fee Determination for Construction Permit Application form (197-FEE):

www.epa.state.il.us/air/caapp/199-caapp.pdf

www.epa.state.il.us/air/permits/197-fee.pdf

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