

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

GENESEO MUNICIPAL UTILITIES,)	
)	
Petitioner,)	
)	PCB 11-
v.)	(Air Permit Appeal)
)	
ILLINOIS ENVIRONMENTAL)	
PROTECTION AGENCY,)	
)	
Respondent.)	

NOTICE OF FILING

TO: John Therriault, Clerk
Illinois Pollution Control Board
100 West Randolph Street
Suite 11-500
Chicago, Illinois 60601

PLEASE TAKE NOTICE that I have hereby filed with the Office of the Clerk of the Illinois Pollution Control Board ENTRY OF APPEARANCE OF N. LADONNA DRIVER, ENTRY OF APPEARANCE OF MONICA T. RIOS, and PETITION FOR REVIEW, a copy of which is herewith served upon you.

Respectfully submitted,

GENESEO MUNICIPAL UTILITIES,
Petitioner

By: /s/ Monica T. Rios
Monica T. Rios

Dated: May 10, 2011

N. LaDonna Driver
Monica T. Rios
HODGE DWYER & DRIVER
3150 Roland Avenue
Post Office Box 5776
Springfield, Illinois 62705-5776
(217) 523-4900

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

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v.)	(Air Permit Appeal)
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ILLINOIS ENVIRONMENTAL)	
PROTECTION AGENCY,)	
)	
Respondent.)	

ENTRY OF APPEARANCE OF N. LADONNA DRIVER

NOW COMES N. LaDonna Driver, of the law firm HODGE DWYER & DRIVER, and hereby enters her appearance in this matter on behalf of Geneseo Municipal Utilities.

Respectfully submitted,

By: /s/ N. LaDonna Driver
N. LaDonna Driver

Dated: May 10, 2011

N. LaDonna Driver
HODGE DWYER & DRIVER
3150 Roland Avenue
Post Office Box 5776
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ILLINOIS ENVIRONMENTAL)	
PROTECTION AGENCY,)	
)	
Respondent.)	

ENTRY OF APPEARANCE OF MONICA T. RIOS

NOW COMES Monica T. Rios, of the law firm HODGE DWYER & DRIVER, and hereby enters her appearance in this matter on behalf of Geneseo Municipal Utilities.

Respectfully submitted,

By: /s/ Monica T. Rios
Monica T. Rios

Dated: May 10, 2011

Monica T. Rios
HODGE DWYER & DRIVER
3150 Roland Avenue
Post Office Box 5776
Springfield, Illinois 62705-5776
(217) 523-4900

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

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)	
Respondent.)	

PETITION FOR REVIEW

NOW COMES Petitioner, GENESEO MUNICIPAL UTILITIES (“Geneseo”), by and through its attorneys, HODGE DWYER & DRIVER, pursuant to Section 40(a)(1) of the Illinois Environmental Protection Act (“Act”) (415 ILCS 5/40(a)(1)) and 35 Ill. Admin. Code § 105.Subpart B, and petitions the Illinois Pollution Control Board (“Board”) for review of the Federally Enforceable State Operating Permit – Revised (“Revised FESOP”) issued to Geneseo on April 6, 2011, by the Illinois Environmental Protection Agency (“Illinois EPA”), pursuant to Section 39 of the Act.

In support of its Petition, Geneseo states as follows:

1. Geneseo owns and operates an electric generating plant located at 433 East North Street, Geneseo, Illinois (Facility I.D. No 073050AAA) (“Facility”).
2. On January 21, 2011, Illinois EPA issued a draft Revised FESOP for public notice, as well as the Project Summary, which is attached hereto as Attachment 1. According to the Public Notice of the Proposed Renewal of the Federally Enforceable State Operating Permit for Geneseo Municipal Utilities, Illinois EPA would accept written comments on the draft Revised FESOP until February 20, 2011.

3. On February 18, 2011, Geneseo submitted public comments on the draft Revised FESOP to Illinois EPA. The February 18, 2011 correspondence is attached hereto as Attachment 2 (“Comment Letter”).

4. On April 6, 2011, Illinois EPA issued the final Revised FESOP, which is attached hereto as Attachment 3. Illinois EPA did not issue a Response to Comments or Responsiveness Summary with the Revised FESOP.

5. Although the Revised FESOP addressed several of the issues raised in the Comment Letter, Illinois EPA did not address a few issues that remain of concern to Geneseo.

6. The Revised FESOP was issued on April 6, 2011 and was received by Geneseo on April 8, 2011. This appeal was therefore timely filed within the 35-day appeal deadline period prescribed by Section 40(a)(1) of the Act, 415 ILCS 5/40(a)(1).

7. Accordingly, Geneseo specifically objects to, and hereby appeals, the Revised Permit on the following bases:

A. The Emission Limits in the Revised FESOP are not Practically Enforceable.

In the Comment Letter, Geneseo raises the lack of fuel usage limits in the Revised FESOP. Attachment 2 at 3 (see discussion of Condition 6). Specifically, Geneseo states that the Revised FESOP establishes emission limits for eight engines and one boiler, but does not include fuel usage limits, as requested in the FESOP renewal application and listed in the original FESOP. *Id*; see also Renewal Application at Exhibits A, B, and C. The Project Summary issued with the draft Revised FESOP does not provide an explanation for why the fuel usage limits were excluded from the Revised FESOP.

USEPA has provided guidance on the federal enforceability of emission limits. USEPA stated in regards to permit limitations that can legally restrict a source's potential to emit that two criteria must be met—it is federally enforceable (contained in a permit issued pursuant to an approved permitting program or EPA) and “it is enforceable as a practical matter.” Limiting Potential to Emit in New Source Permitting (USEPA June 13, 1989). According to USEPA, to limit a source's potential to emit, a permit must include “production or operational limitations in addition to the emission limitation in cases where the emission limitation does not reflect the maximum emissions of the source operating at full design capacity without pollution control equipment.” *Id.* In Geneseo's case, the emission limits in the Revised FESOP do not reflect the maximum emissions of the emission units operating at full design capacity. USEPA further states that “[r]estrictions on production or operation that will limit the potential to emit include limitations on . . . fuel combusted . . .” *Id.* Specifically, USEPA states:

Production and operational limits must be stated as conditions that can be enforced independently of one another. For example, restrictions on fuel which relates to both type and amount of fuel combusted should state each as an independent condition in the permit. This is necessary for practical enforcement so that if one of the conditions is found to be difficult to monitor for any reason, the other may still be enforced.

Thus, because the Revised FESOP does not include fuel usage limits for the engines and boiler, the emission limits are not practically enforceable. Geneseo requests, as it did in its renewal application and Comment Letter, that the fuel usage limits provided in the renewal application be incorporated into the Revised FESOP.

B. Condition 5(d)(iii) and (e)(iii) of the Revised FESOP include cross-references to non-existent sections in the Revised FESOP.

In the Comment Letter, Geneseo stated that in Condition 5 of the draft Revised FESOP, there were cross-references to Condition 13(a)(i) and (a)(ii). Attachment 2 at 3. However, the draft Revised FESOP did not include subsections in Condition 13. In the final Revised FESOP, a change was made to the cross-references in Condition 5(d)(iii) and (e)(iii), but the change was merely to renumber Condition 13(a)(i) and (a)(ii) to Condition 11(a)(i) and (a)(ii), respectively. Condition 5(d)(iii) and (e)(iii) of the Revised FESOP still cross-reference subsections that do not exist in the Revised FESOP. Thus, Geneseo requests that the cross-references be revised to accurately reference the proper section of the Revised FESOP.

8. Until the Board takes final action in this matter, the effectiveness of the Revised FESOP is stayed pursuant to the automatic stay provisions of the Illinois Administrative Procedure Act, 5 ILCS 100/10-65(b). *See KCBX Terminal Company v. Illinois EPA*, PCB No. 10-110, 11-43 (consol.) at 7-12 (Ill.Pol.Control.Bd. April 21, 2011) (where Board held that "the effectiveness of the renewed FESOP issued to KCBX is automatically stayed under the APA until the Board's final action on this appeal"). Accordingly, the effectiveness of the Revised FESOP is stayed, and Geneseo will continue to operate under its existing permits, which remain in full force and effect.

9. As stated above, Illinois EPA failed to include certain conditions in the Revised FESOP that are necessary to accurately reflect the information Geneseo has

provided to Illinois EPA. Based on the reasons set forth above, Geneseo requests that the Revised FESOP be revised to include fuel usage limits and accurate cross-references.

WHEREFORE Petitioner, GENESEO MUNICIPAL UTILITIES petitions the Illinois Pollution Control Board for a hearing on the Illinois Environmental Protection Agency's action to issue the Revised FESOP, and for such other relief as the Board deems appropriate.

Respectfully submitted,

GENESEO MUNICIPAL UTILITIES,
Petitioner,

By: /s/ Monica T. Rios
Monica T. Rios

Dated: May 11, 2011

N. LaDonna Driver
Monica T. Rios
HODGE DWYER & DRIVER
3150 Roland Avenue
Post Office Box 5776
Springfield, Illinois 62705-5776
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GNSO:001/Filings/Petition for Review

Illinois Environmental Protection Agency
Bureau of Air, Permit Section
1021 N. Grand Avenue East
P.O. Box 19506
Springfield, Illinois 62794-9506

Project Summary for an Application from
City of Geneseo
for Renewal of the
Federally Enforceable State Operating Permit (FESOP) for
City of Geneseo, Geneseo, Illinois

Site Identification No.: 073050AAA
Application No.: 73090137

Schedule

Public Comment Period Begins: January 21, 2011
Public Comment Period Closes: February 20, 2011

Illinois EPA Contacts

Permit Analyst: Bruce Beazly
Community Relations Coordinator: Brad Frost

I. INTRODUCTION

The City of Geneseo has applied for renewal of its Federally Enforceable State Operating Permit (FESOP) for its electric utility plant located in Geneseo, Henry County, Illinois. This plant requires an air pollution control operating permit because it is a source of emissions. The Illinois EPA has prepared a draft of the renewed permit that it would propose to issue for the plant. However, before renewing the permit, the Illinois EPA is holding a public comment period to receive comments on this proposed action and the terms and conditions of the draft permit that it would propose to issue.

II. SOURCE DESCRIPTION

The City of Geneseo electric utility plant is an electrical generating facility consisting of six dual fuel-fired (natural gas and diesel) reciprocating engine driven generators. This facility is used to generate electrical power for the community during peak demand periods which usually occur during the summer months. The emission units at this plant that require an operating permit are the seven reciprocating engines that drive the generators. These units are sources of emissions because there are nitrogen oxides, carbon monoxide, particulate matter, sulfur dioxide, and volatile organic material emissions produced by the operation of these engines.

III. GENERAL DISCUSSION

Federally Enforceable State Operating Permits (FESOPs) are federally enforceable, that is, the terms and conditions of the permits can be enforced by USEPA under federal law, as well as by Illinois government and the public under state law. These permits can establish federally enforceable limitations on the operation and emissions of a source that restrict the potential emissions of the source.

The source has been operating this plant under a FESOP because the actual emissions of the plant are below the levels at which the plant would be considered a major source under Title V of the federal Clean Air Act. However, in the absence of federally enforceable limitations, the plant's potential emissions would be such that the plant would be considered a major source. The permit acts to restrict the plant's potential emissions so that it need not be considered a major source. As a result, the source does not need to obtain a Clean Air Act Permit Program (CAAPP) permit for the plant, as would otherwise be required.

The FESOP limits the operation and annual emissions of the plant to below the major-source-thresholds of 100 tons for nitrogen oxides, carbon monoxide, 10 tons for an individual HAP and 25 tons for combined HAPs.

IV. APPLICABLE EMISSION STANDARDS

All emission units in Illinois must comply with state emission standards adopted by the Illinois Pollution Control Board. These emission standards represent the basic requirements for sources in Illinois. The Board has standards for sources of particulate matter and sulfur dioxide. The application shows that the plant is in compliance with applicable state and federal emission standards.

V. CONTENTS OF THE PERMIT

The renewed permit that the Illinois EPA is proposing to issue would continue to identify the specific emission standards that apply to the emission units at the plant. As explained, the two newest engines (Engines 6 and 8) are exempted from the Acid Rain Program but are subject to specific provisions of the Acid Rain Program (40 CFR 72.2 through 72.7 and 72.10 through 72.13) which require specific record keeping of the sulfur content of all fuel used in the diesel-fired reciprocating engines and limit the average sulfur content of the fuel used to 0.05 weight percent. The other existing engines are not subject to the Acid Rain Program. The source is also subject to 35 IAC Parts 212 and 214 which regulate the emissions of particulate matter and sulfur dioxide.

The conditions of this permit are intended to ensure that the source continues to comply with applicable emission standards.

The permit would also contain limitations and requirements to assure that this plant is operated as a non-major source. The permit would limit the operation and annual emissions of the plant to below the major-source-thresholds of 100 tons for nitrogen oxides, carbon monoxide, 10 tons for an individual HAP and 25 tons for combined HAPs. (Annual emissions of other pollutants from the plant are well below the 100 ton major source threshold.)

The permit would also set limitations on the sulfur content of the fuel used by all the existing engines to 0.05 weight percent. These limitations were requested in the application and are consistent with the historical operation of emission units at the plant.

The permit conditions would also continue to require appropriate compliance procedures, including inspection practices as well as recordkeeping and reporting requirements. The source must carry out these procedures on an on-going basis to demonstrate that the plant is being operated within the limitations set by the permit and the plant's emissions are being properly controlled.

VI. REQUEST FOR COMMENTS

It is the Illinois EPA's preliminary determination that the source has met the requirements for renewal of its permit. The Illinois EPA is therefore proposing to renew the permit.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on the draft permit. If substantial public interest is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 IAC Part 166.

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- RENEWAL

PERMITTEE

Geneseo Municipal Utilities
Attn: Ken Stock, Public Utilities Manager
433 East North Street
Geneseo, Illinois 61254

<u>Application No.:</u> 73090137	<u>I.D. No.:</u> 073050AAA
<u>Applicant's Designation:</u> ELEC DEPT	<u>Date Received:</u> June 19, 2006
<u>Subject:</u> Electric Generating Plant	
<u>Date Issued:</u> To be Determined	<u>Expiration Date:</u> To Be Determined
<u>Location:</u> 433 East North Street, Geneseo, Henry County	

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of:

Seven natural gas/diesel fuel-fired engine/generators (Engine 1 - 5,600 kW capacity, Engine 2 - 3,500 kW capacity, Engine 3 - 3,500 kW capacity, Engine 4 - 2,000 kW capacity, Engine 5A - 4,400 kW capacity, Engine 6A - 3,000 kW capacity, Engine 7 - 3,000 kW capacity),

One diesel fuel-fired engine/generator (Engine 8 - 4,840 kW capacity) with Selective Catalytic Reduction (SCR) control

One natural gas-fired boiler (3.35 mmBtu/hr)

pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This Federally Enforceable State Operating Permit (FESOP) is issued to limit the emissions of air pollutants from the source to less than major source thresholds, (i.e., 100 tons per year of nitrogen oxides (NO_x)). As a result, the source is excluded from requirements to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permit(s) for this location.
- 2a. Pursuant to 35 Ill. Adm. Code 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 Ill. Adm. Code 212.122.
- b. Pursuant to 35 Ill. Adm. Code 212.123(b), the emission of smoke or other particulate matter from any such emission unit may have an

Page 2

opacity greater than 30 percent but not greater than 60 percent for a period or periods aggregating 8 minutes in any 60 minute period provided that such opaque emissions permitted during any 60 minute period shall occur from only one such emission unit located within a 305 m (1000 ft) radius from the center point of any other such emission unit owned or operated by such person, and provided further that such opaque emissions permitted from each such emission unit shall be limited to 3 times in any 24 hour period.

- c. Pursuant to 35 Ill. Adm. Code 212.124(a), 35 Ill. Adm. Code 212.122 and 212.123 shall apply during times of startup, malfunction and breakdown except as provided in the operating permit granted in accordance with 35 Ill. Adm. Code 201.
 - d. Pursuant to 35 Ill. Adm. Code 212.124(b), 35 Ill. Adm. Code 212.122 and 212.123 shall not apply to emissions of water or water vapor from an emission unit.
3. Pursuant to 35 Ill. Adm. Code 214.301, no person shall cause or allow the emissions of sulfur dioxide into the atmosphere from any process emission source to exceed 2,000 ppmv.
- 4a. This permit is issued based on Engine/Generators 6 and 8 not being subject to the Acid Rain Program, 40 CFR Part 72. Pursuant to 40 CFR 72.6(b)(2), any unit that commenced commercial operation before November 15, 1990 and that did not, as of November 15, 1990, and does not currently, serve a generator with a nameplate capacity of greater than 25 MWe are not affected units subject to the requirements of the Acid Rain Program.
- b. This permit is issued based on Engine/Generators 6 and 8 not being subject to the Acid Rain Program, 40 CFR Part 72. Pursuant to 40 CFR 72.7(a)(3), any new utility unit that has not previously lost an exemption under 40 CFR 72.7(f)(4) and that, in each year starting with the first year for which the unit is to be exempt burns gaseous fuel with an annual average sulfur content of 0.05 percent or less by weight (as determined under 40 CFR 72.7(d)) and nongaseous fuel with an annual average sulfur content of 0.05 percent or less by weight (as determined under 40 CFR 72.7(d)).
 - c. Pursuant to 40 CFR 72.7(b)(1), any new utility unit that meets the requirements of 40 CFR 72.7(a) and that is not allocated any allowances under subpart B of 40 CFR part 73 shall be exempt from the Acid Rain Program, except for the provisions of 40 CFR 72.7, 40 CFR 72.2 through 72.6, and 40 CFR 72.10 through 72.13.
 - d. Pursuant to 40 CFR 72.7(d), compliance with the requirement that fuel burned during the year have an annual average sulfur content of 0.05 percent by weight or less shall be determined as follows using a method of determining sulfur content that provides information with reasonable precision, reliability, accessibility, and timeliness:
 - i. For gaseous fuel burned during the year where other gas in addition to or besides natural gas is burned, the requirement is

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met if the annual average sulfur content is equal to or less than 0.05 percent by weight. The annual average sulfur content, as a percentage by weight, for the gaseous fuel burned shall be calculated as follows:

$$\% S_{\text{annual}} = \frac{\sum_{n=1}^{\text{last}} \% S_n M_n d_n}{\sum_{n=1}^{\text{last}} M_n d_n}$$

Where:

- $\% S_{\text{annual}}$ = Annual average sulfur content of the fuel burned during the year by the unit, as a percentage by weight;
- $\% S_n$ = Sulfur content of the n^{th} sample of the fuel delivered during the year to the unit, as a percentage by weight;
- M_n = Mass of the nongaseous fuel in a delivery during the year to the unit of which the n^{th} sample is taken, in lb; or for fuel delivered during the year to the unit continuously by pipeline, mass of the nongaseous fuel delivered starting from when the n^{th} sample of such fuel is taken until the next sample of such fuel is taken, in lb;
- d_n = Density of the n^{th} sample of the fuel delivered during the year to the unit, in lb per gallon; and
- n = Each sample taken of the fuel delivered during the year to the unit, taken at least once for each delivery; or, for fuel that is delivered during the year to the unit continuously by pipeline, at least once each quarter during which the fuel is delivered.

- ii. For nongaseous fuel burned during the year, the requirement is met if the annual average sulfur content is equal to or less than 0.05 percent by weight. The annual average sulfur content, as a percentage by weight, shall be calculated using the equation in 40 CFR 72.7(d)(2). In lieu of the factor, volume times density ($V_n d_n$), in the equation, the factor, mass (M_n), may be used, where M_n is: mass of the nongaseous fuel in a delivery during the year to the unit of which the n^{th} sample is taken, in lb; or, for fuel delivered during the year to the unit continuously by pipeline, mass of the nongaseous fuel delivered starting from when the n^{th} sample of such fuel is taken until the next sample of such fuel is taken, in lb.

- 5a. Distillate fuel oil (Grades No. 1 and No. 2) and natural gas shall be the only fuels fired in the engine/generators 1-7. The use of any other fuel requires a construction permit for the modification of these

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units.

- b. Distillate fuel oil (Grades No. 1 and No. 2) shall be the only fuel used in engine/generator 8. The use of any other fuel requires a construction permit for the modification of these units.
- c. The Permittee shall follow good operating practices for the SCR associated with Engine 8, including periodic inspection, routine maintenance and prompt repair of defects.
- b. The Permittee is authorized to operate each of the six engine/generators in violation of the applicable limit of 35 Ill. Adm. Code 212.123 (i.e., 30 percent opacity), during startup pursuant to 35 Ill. Adm. Code 201.262, as the Permittee has affirmatively demonstrated that all reasonable efforts will be made to minimize startup emissions, duration of individual starts, and frequency of startups. This authorization is subject to the following:
 - i. This authorization for excess opacity during startup only extends for a period of up to two hours for a unit, following initial firing of fuel in the engine/generator during each startup event.
 - ii. The Permittee shall take the following measures to minimize startup emissions, the duration of startups, and minimize the frequency of startups.
 - A. Implementation of established startup procedures, including slower start-up to allow each unit to reach operating temperature; and
 - B. Longer duration of start-up and minimizing emergency start-up durations.
 - iii. The Permittee shall fulfill the applicable recordkeeping requirements of Condition 13(a)(i).
 - iv. As provided by 35 Ill. Adm. Code 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.
- c. The Permittee is authorized to continue operation each of the six engine/generators in violation of the applicable requirements of 35 Ill. Adm. Code 212.123 (i.e., 30 percent opacity) in the event of a malfunction or breakdown of an engine/generator. This authorization is provided pursuant to 35 Ill. Adm. Code 201.149, 201.161 and 201.262, as the Permittee has applied for such authorization in its application, generally explaining why such continued operation would be required to provide essential service or to prevent injury to personnel or severe damage to equipment, and describing the measures that will be taken to minimize emissions from any malfunctions and breakdowns.

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- i. This authorization only allows such continued operation as necessary to provide essential service or to prevent injury to personnel or severe damage to equipment and does not extend to continued operation solely for the economic benefit of the Permittee.
 - ii. Upon occurrence of excess emissions due to malfunction or breakdown, the Permittee shall as soon as practicable reduce load of the engine/generator, repair the engine/generator, remove the engine/generator from service or undertake other action so that excess emissions cease.
 - iii. The Permittee shall fulfill applicable recordkeeping and reporting requirements of Condition 13(a)(ii). For these purposes, time shall be measured from the start of a particular incident. The absence of excess emissions for a short period shall not be considered to end the incident if excess emissions resume. In such circumstances, the incident shall be considered to continue until corrective actions are taken so that excess emissions cease or the Permittee takes the engine/generator out of service.
 - iv. Following notification to the Illinois EPA of a malfunction or breakdown with excess emissions, the Permittee shall comply with all reasonable directives of the Illinois EPA with respect to such incident, pursuant to 35 Ill. Adm. Code 201.263.
 - v. This authorization does not relieve the Permittee from the continuing obligation to minimize excess emissions during malfunction or breakdown. As provided by 35 Ill. Adm. Code 201.265, an authorization in a permit for continued operation with excess emissions during malfunction and breakdown does not shield the Permittee from enforcement for any such violation 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.
- 6a. Emissions and operation of the engine/generators shall not exceed the following:

<u>Pollutant</u>	<u>Emission</u>	<u>Emissions</u>	
	<u>Factors</u> <u>(lb/mmBtu)</u>	<u>lb/hr (each</u> <u>engine)</u>	<u>(Ton/Year)</u>
NO _x	2.7	197.12	95.00
CO	1.16	71.46	40.81
SO ₂	0.0505	3.11	1.78
VOM	0.80	49.28	28.15
PM	0.1470	9.06	5.17

These limits are based upon standard emission factors (Table 3.4-1, AP-42 (5th edition, Supplement B, October 1996)), and the

Page 6

maximum heat input of all fuel used in the engine/generators.

- b. Emissions from the natural gas fired boiler shall not exceed the following limits:

<u>Pollutant</u>	<u>Emission Factor lb/mmscf</u>	<u>Emissions</u>	
		<u>lb/hr</u>	<u>(Tons/year)</u>
NO _x	100.00	0.34	1.47
CO	84.00	0.28	1.23
SO ₂	0.60	0.01	0.01
VOM	5.50	0.08	0.08
PM	7.60	0.11	0.11

These limits are based upon standard emission factors (Section 1.4-1, AP-42 (5th edition, Supplement D, July 1998)), and the maximum heat input of the fuel used in the boiler.

- c. The above limitations contain revisions to previously issued Permit 01090032. The source has requested that the Illinois EPA establish conditions in this permit that allow various refinements from the conditions of this aforementioned permit, consistent with the information provided in the FESOP application. The source has requested these revisions and has addressed the applicability and compliance of Title I of the Clean Air Act, specifically 40 CFR 52.21, Prevention of Significant Deterioration (PSD). These limits continue to ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to these rules. These limits are the primary enforcement mechanism for the equipment and activities permitted in this permit and the information in the FESOP application contains the most current and accurate information for the source. Specifically, the permitted emissions limits have been increased for CO (from 12.4 to 42.04 tons/year), PM (from 2.2 to 5.28 tons/year), and VOM (from 2.50 to 28.23 tons/year) and the permitted emission limits have been reduced for NO_x (from 96.6 to 96.47 tons/year) and SO₂ (from 3.7 to 1.79 tons/year).
- d. Compliance with the annual limits of this permit shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).
7. This permit is issued based on the Potential to Emit (PTE) for Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act being less than 10 tons per year of any single HAP and 25 tons per year of any combination of such HAPs. As a result, this permit is issued based on the emissions of all HAPs from this source not triggering the requirements to obtain a Clean Air Act Permit Program (CAAPP) permit from the Illinois EPA.
- 8a. Pursuant to 35 Ill. Adm. Code 212.107, 212.109, and 212.110, testing for particulate matter emissions shall be performed as follows:

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- i. For both fugitive and nonfugitive particulate matter emissions, a determination as to the presence or absence of visible emissions from emission units shall be conducted in accordance with Method 22, 40 CFR part 60, Appendix A, incorporated by reference in 35 Ill. Adm. Code 212.113, except that the length of the observing period shall be at the discretion of the observer, but not less than one minute. This Condition shall not apply to 35 Ill. Adm. Code 212.301, pursuant to 35 Ill. Adm. Code 212.107.
 - ii. Except as otherwise provided in 35 Ill. Adm. Code Part 212, and except for the methods of data reduction when applied to 35 Ill. Adm. Code 212.122 and 212.123, measurements of opacity shall be conducted in accordance with Method 9, 40 CFR Part 60, Appendix A, and the procedures in 40 CFR 60.675(c) and (d), if applicable, incorporated by reference in 35 Ill. Adm. Code 212.113, except that for roadways and parking areas the number of readings required for each vehicle pass will be three taken at 5-second intervals. The first reading shall be at the point of maximum opacity and second and third readings shall be made at the same point, the observer standing at right angles to the plume at least 15 feet away from the plume and observing 4 feet above the surface of the roadway or parking area. After four vehicles have passed, the 12 readings will be averaged, pursuant to 35 Ill. Adm. Code 212.109.
 - iii. Measurement of particulate matter emissions from stationary emission units subject to 35 Ill. Adm. Code Part 212 shall be conducted in accordance with 40 CFR part 60, Appendix A, Methods 5, 5A, 5D, or 5E, pursuant to 35 Ill. Adm. Code 212.110(a).
 - iv. The volumetric flow rate and gas velocity shall be determined in accordance with 40 CFR part 60, Appendix A, Methods 1, 1A, 2, 2A, 2C, 2D, 3, and 4, pursuant to 35 Ill. Adm. Code 212.110(b).
 - v. Upon a written notification by the Illinois EPA, the owner or operator of a particulate matter emission unit subject to 35 Ill. Adm. Code Part 212 shall conduct the applicable testing for particulate matter emissions, opacity, or visible emissions at such person's own expense, to demonstrate compliance. Such test results shall be submitted to the Illinois EPA within thirty (30) days after conducting the test unless an alternative time for submittal is agreed to by the Illinois EPA, pursuant to 35 Ill. Adm. Code 212.110(c).
- b. Testing required by Condition 8(a) shall be performed by a qualified independent testing service.
- 9a. In the event that the fuel oil supplier is unable to provide the sulfur content of the fuel oil supply for the affected engines, the Permittee shall have the sulfur content of the oil supply to the affected engines, in lbs/mmBtu, determined from an analysis of a representative sample of the oil supply, as follows:

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- i. From a sample taken no later than 90 days after first operating the affected engines pursuant to this permit, provided, however, that if such sample is taken following operation of the affected engines, the sample shall be taken prior to adding more oil to the storage tank.
 - ii. From a sample taken no later than 30 days after acceptance of a shipment of fuel whose sulfur content would not meet Condition 4(d) based upon supplier data, provided however, that if the affected engines are operated following acceptance of such a shipment, the sample shall be taken prior to adding a subsequent shipment of oil to the relevant storage tank.
 - iii. From a sample taken no later than 30 days after a request for such a sample is made by the Illinois EPA, provided, however, that such sample shall be taken prior to adding more oil to the relevant storage tank.
 - b. Sampling and analysis, including that which forms the basis for the suppliers' data, shall be conducted using methods that would be acceptable under the federal New Source Performance Standards for Stationary Gas Turbines, 40 CFR 60.335(b)(2) and (c) or the federal Acid Rain Program, 40 CFR 75, Appendix D, Optional SO₂ Emissions Data Protocol for Gas-Fired and Oil-Fired Units e.g., ASTM D4057-88 and ASTM D129-91.
- 10a. Pursuant to 40 CFR 63.10(b)(3), if an owner or operator determines that his or her stationary source that emits (or has the potential to emit, without considering controls) one or more hazardous air pollutants regulated by any standard established pursuant to section 112(d) or (f) of the Clean Air Act, and that stationary source is in the source category regulated by the relevant standard, but that source is not subject to the relevant standard (or other requirement established under 40 CFR Part 63) because of limitations on the source's potential to emit or an exclusion, the owner or operator must keep a record of the applicability determination on site at the source for a period of 5 years after the determination, or until the source changes its operations to become an affected source, whichever comes first. The record of the applicability determination must be signed by the person making the determination and include an analysis (or other information) that demonstrates why the owner or operator believes the source is unaffected (e.g., because the source is an area source). The analysis (or other information) must be sufficiently detailed to allow the USEPA and/or Illinois EPA to make a finding about the source's applicability status with regard to the relevant standard or other requirement. If relevant, the analysis must be performed in accordance with requirements established in relevant subparts of 40 CFR Part 63 for this purpose for particular categories of stationary sources. If relevant, the analysis should be performed in accordance with USEPA guidance materials published to assist sources in making applicability determinations under Section 112 of the Clean Air Act, if any. The requirements to determine applicability of a standard under 40 CFR 63.1(b)(3) and to record the results of that determination under 40 CFR 63.10(b)(3) shall not by themselves create an obligation for the owner

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- or operator to obtain a Title V permit.
- b. Pursuant to 40 CFR 72.7(f)(3), for a period of 5 years from the date the records are created, the owners and operators of a unit exempt under 40 CFR 72.7 shall retain at the source that includes the unit records demonstrating that the requirements of 40 CFR 72.7(a) are met. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the USEPA or Illinois EPA or the permitting authority.
 - i. Such records shall include, for each delivery of fuel to the unit or for fuel delivered to the unit continuously by pipeline, the type of fuel, the sulfur content, and the sulfur content of each sample taken.
 - ii. The owners and operators bear the burden of proof that the requirements of 40 CFR 72.7(a) are met.
 - c. Pursuant to 35 Ill. Adm. Code 212.110(e), the owner or operator of an emission unit subject to 35 Ill. Adm. Code Part 212 shall retain records of all tests which are performed. These records shall be retained for at least three (3) years after the date a test is performed.
 - d. The Permittee shall maintain records of the following items so as to demonstrate compliance with the conditions of this permit:
 - i. Date and duration of startup of the engines, (i.e., start time and time normal operation achieved, and stable operation at load);
 - ii. Records addressing use of good operating practices for the SCR system:
 - A. A file containing manufacturer/vendor or source developed operating and maintenance procedures, including the catalyst management plan;
 - B. An operating log that at a minimum identifies when the engine is operated with SCR system with corresponding engine load setting and rate of injection of SCR reagent, e.g., gallon or pound per hour;
 - C. Maintenance and repair log, including the date and nature of maintenance and repair activities performed, e.g., addition or replacement of a catalyst layer; and
 - D. Usage of SCR reagent on a monthly basis.
 - iii. Records for each shipment of fuel oil received, the amount received, maximum sulfur content, and supplier;
 - iv. Total combined diesel fuel usage for Engines 1, 2, 3, 4, 5A, 6A, 7, and 8 (gallons/month and gallons/year);

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- v. Total combined natural gas usage for Engines 1, 2, 3, 4, 5A, 6A, and 7 (scf/month and scf/year);
 - vi. Natural gas usage for the boiler (scf/month and scf/year);
 - vii. Fuel analysis sheets indicating sulfur content for each shipment or purchase of diesel fuel; and
 - viii. Monthly and annual emissions of CO, NO_x, PM, SO₂, and VOM (tons/month and tons/year) from the source (facility total), with supporting calculations.
11. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least five (5) years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA or USEPA request for records during the course of a source inspection.
12. If there is an exceedance of or a deviation from the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance/deviation. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or deviation and efforts to reduce emissions and future occurrences.
13. Pursuant to 35 Ill. Adm. Code 212.110(d), a person planning to conduct testing for particulate matter emissions to demonstrate compliance shall give written notice to the Illinois EPA of that intent. Such notification shall be given at least thirty (30) days prior to the initiation of the test unless a shorter period is agreed to by the Illinois EPA. Such notification shall state the specific test methods from 35 Ill. Adm. Code 212.110 that will be used.
14. Two copies of required reports and notifications shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and one copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control
5415 North University
Peoria, Illinois 61614

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If you have any questions concerning this permit, please call Bruce Beazly at 217/782-2113.

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

ECB:BDB:

cc: Region 2
Lotus Notes

Attachment A -. Emissions Summary

This attachment provides a summary of the maximum emission from the power generating plant, operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Agency used the annual operating scenario, which results in maximum emissions from such a plant. The resulting maximum emissions are below the levels, (e.g., 100 tons per year of NO_x) at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled, less coating is used, and control measures are more effective than required in this permit.

<u>Emission Unit</u>	E M I S S I O N S (Tons/Year)				
	<u>CO</u>	<u>NO_x</u>	<u>PM</u>	<u>SO₂</u>	<u>VOM</u>
Engine/Generators	40.81	95.00	5.17	1.78	28.15
<u>Natural Gas-Fired Boiler</u>	<u>1.23</u>	<u>1.47</u>	<u>0.11</u>	<u>0.01</u>	<u>0.08</u>
Totals	42.04	96.47	5.28	1.79	28.23

BDB:



HODGE DWYER & DRIVER

ATTORNEYS AT LAW

MONICA T. RIOS

E-mail: mrios@hddattorneys.com

February 18, 2011

VIA CERTIFIED MAIL

(Return Receipt Requested)

Mr. Brad Frost
Division of Air Pollution Control
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Post Office Box 19506
Springfield, Illinois 62794-9506

RE: Public Comments on Draft FESOP for
Geneseo Municipal Utilities
I.D. No. 073050AAA
Application No. 73090137

Dear Mr. Frost:

On January 21, 2011, the Illinois Environmental Protection Agency ("Illinois EPA") proposed the above-referenced Federally Enforceable State Operating Permit ("FESOP") for public comment. On behalf of Geneseo Municipal Utilities ("Geneseo"), we have the following comments:

General Permit Information

The permit is directed to the attention of Ken Stock, Public Utilities Manager. Geneseo requests that the permit be directed to Lewis Opsal, Electrical Superintendent.

Condition 1(c)

Since this permit incorporates requirements from prior construction permits, Geneseo requests that this condition be revised to state as follows: "This permit supersedes all construction and operating permits for this location."

ATTACHMENT 2

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Condition 2(c)

Because this FESOP is the operating permit in which startup, malfunction, and breakdown provisions are being incorporated, Geneseo requests that the general reference in this Condition to the operating permit be deleted. Instead, the Condition should reference the specific startup and malfunction conditions of the permit. Geneseo requests the following revision:

Pursuant to 35 Ill. Adm. Code 212.124(a), 35 Ill. Adm. Code 212.122 and 212.123 shall apply during times of startup, malfunction and breakdown except as provided in Condition 6(d) and (e). ~~the operating permit granted in accordance with 35 Ill. Adm. Code 201.~~

Condition 4(a)

Geneseo requests that this condition be revised because it is not applicable to Engines 6A and 8. The referenced provision of the Acid Rain Program ("ARP") applies to units that commenced commercial operation before November 15, 1990, and that did not as of that date and do not currently serve a 25 MWe generator. Engines 6A and 8 were not installed and operated at the site until after November 15, 1990, and thus, Condition 4(a) does not apply to those engines. However, the other engines at the site do meet the criteria in Condition 4(a), and accordingly, Geneseo requests that Condition 4(a) be revised as follows:

This permit is issued based on Engine/Generators 1, 2, 3, 4, 5A, and 7 ~~6 and 8~~ not being subject to the Acid Rain Program, 40 CFR Part 72. Pursuant to 40 CFR 72.6(b)(2), any unit that commenced commercial operation before November 15, 1990 and that did not as of November 15, 1990, and does not currently, serve a generator with a nameplate capacity of greater than 25 MWe are not affected units subject to the requirements of the Acid Rain Program.

Condition 4(b)

Geneseo requests that the reference to Engine 6 be revised to 6A.

Condition 4(d)

This condition includes the formula for determining the annual average sulfur content, as a percentage by weight for gaseous fuel. However, mass (M_n) has been substituted for volume (V_n) in the formula. Geneseo requests that the formula be revised to use V_n , instead of M_n , as stated in 40 C.F.R. § 72.7(d)(2).

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Condition 5

The subsections in Condition 5 are not lettered correctly. Geneseo requests that the second subsections (b) and (c) be revised to subsections (d) and (e), respectively.

Condition 5(b)(iii) and (c)(iii)

In the second subsections (b) and (c) of Condition 5, there are references to Condition 13(a)(i) and (a)(ii), respectively; however, Condition 13 does not include any subsections. Geneseo requests that these references be corrected.

Condition 6

This permit establishes emission limits for eight engines and one boiler; however, the permit does not include annual fuel usage limits, as described in the FESOP renewal application and current FESOP. The project summary does not discuss why the fuel limits have been removed from the permit, nor how practical enforceability is maintained. In order for the emission limits to be practically enforceable, annual fuel usage limits should be included in the permit. Geneseo requests that the annual fuel usage limits, as described in the renewal application, be added to the permit. Note, that although the renewal application requests that Condition 2(a) of the current FESOP be removed, the application explains that the requested annual limit for the engines is 70,370 mmBtu/year, which, based on AP-42 emission factors, calculates to the 95 tons per year limit for NO_x. In addition, the exhibits to the renewal application provide detailed information on the proposed fuel limits.

Condition 6(a)

The NO_x emission factor in the permit is 2.7 lb/mmBtu. However, the emission limits in the application were calculated using the higher of either the dual fuel or diesel emission factor. For NO_x, the diesel fuel factor, 3.2 lb/mmBtu, was used. Geneseo requests that the emission factor for NO_x be changed from 2.7 lb/mmBtu to 3.2 lb/mmBtu. The limits in the draft permit appear to be based on the correct emission factor.

In addition, Geneseo requests that the short term emission limits in Condition 6(a) be revised from lb/hr to tons per month (tpm). The emissions from Geneseo's engines are more properly evaluated over a longer period of time because the engines are mainly used to generate power during peak demand periods and during emergencies. In such cases, due to the limited nature of the engines' operations, monthly limits are more appropriate than hourly limits. In many cases, units operate for periods of less than one hour, such that the monthly limit allows for a more stable assessment of fuel usage and emissions. Geneseo requests that the following tpm limits replace the lb/hr limits in Condition 6(a):

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<u>Pollutant</u>	<u>tpm</u>
NO _x	15.83
CO	6.80
SO ₂	0.29
VOM	4.69
PM	0.86

Condition 6(b)

As similarly requested in Condition 6(a), Geneseo requests that the short term emission limits for the boiler be changed from lbs/hr to tpm as follows:

<u>Pollutant</u>	<u>tpm</u>
NO _x	0.25
CO	0.21
SO ₂	0.002
VOM	0.013
PM	0.018

Condition 8(a)

Condition 8(a) provides that "testing for particulate matter emission shall be performed as follows." Condition 8(a) then proceeds to state the regulatory testing requirements for PM in subsections (i) – (iv). This condition gives the impression that the FESOP is calling for a PM test to be conducted. However, subsection (v) states that the PM testing is required upon written notification by Illinois EPA. Geneseo requests that subsection (v) be moved up front to subsection (i) of Condition 8(a) in order to clarify that the PM testing is only required upon a later written request from Illinois EPA.

Condition 9

Geneseo requests that Condition 9 be deleted from the permit. Condition 9 describes how to determine the sulfur content of the fuel oil in the event that the fuel oil supplier is unable to provide the sulfur content of the fuel. The permit already requires that the sulfur content of the fuel meet the 0.05% by weight requirement for the ARP. Engines 6A and 8 are subject to the 0.05% by weight requirement of the ARP and use ultra low sulfur fuel. Since the other engines at the site are served by the same three fuel tanks that serve Engines 6A and 8, all of the other engines receive the same ultra low sulfur fuel. In addition, because Geneseo uses only ultra low sulfur fuel, the 2000 ppm State requirement, as well as the 0.0505 lb/mmBtu emission factor for

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SO₂, will be met. Further, although the engines already use only ultra low sulfur fuel, Geneseo's engines will be subject to the federal RICE NESHAP requirements, which mandate the use of ultra low sulfur fuel by May 2013. Accordingly, Condition 9 is unnecessary.

However, if Illinois EPA determines that Condition 9 should remain in the permit, the reference in Condition 9(a) should be revised to have the sulfur content of the fuel analyzed in percent by weight and parts per million (ppm). The lbs/mmBtu is not the appropriate measurement because it is used to measure heat values. The sulfur content of the fuel oil is better measured in percent by weight or ppm. Further, Condition 9(a)(ii) references Condition 4(d), which provides the formula for determining average sulfur content in percent by weight. Additional revisions should also be made for clarification. Geneseo requests that Condition 9(a) be revised as follows:

In the event that the fuel oil supplier is unable to provide the sulfur content of the fuel oil supply for the affected engines, the Permittee shall have the sulfur content of the oil supply to the affected engines, in percent by weight and parts per million ~~lbs/mmBtu~~, determined from an analysis of a representative sample of the oil supply, as follows:

- (i) ~~From a sample taken no later than 90 days after first operating the affected engines pursuant to this permit, provided, however, that if such sample is taken following operation of the affected engines, the sample shall be taken prior to adding more oil to the storage tank.~~
- (ii) From a sample taken no later than 30 days after the acceptance of a shipment of fuel whose sulfur content ~~would not meet Condition 4(d)~~ based upon has not been provided via supplier data, provided however, that if the affected engines are operated following acceptance of such a shipment, the sample shall be taken prior to adding a subsequent shipment of oil to the relevant storage tank.
- (iii) From a sample taken no later than 30 days after a request for such a sample is made by the Illinois EPA, provided, however, that such sample shall be taken prior to adding more oil to the relevant storage tank.

In addition, if Condition 9 remains in the permit, the references in Condition 9(b) to 40 CFR 60.335 and the ARP appendix should be revised because they are incorrect. Geneseo requests that Illinois EPA update the references to accurately reflect the current NSPS and ARP sections and appendices.

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Condition 10(d)(iii)

Since Geneseo exclusively uses ultra low sulfur fuel and receives fuel supplier information regarding the sulfur content of the fuel, Geneseo requests that the following clarification be added to Condition 10(d)(iii):

Records for each shipment of fuel oil received, the amount received, maximum sulfur content, and supplier; For purposes of 40 CFR 72.7(d)(3) (Condition 4(d)), if all fuel shipments have a sulfur content equal to or less than 0.05% by weight, then the annual average sulfur content may be assumed to be equal to 0.05% by weight, and no calculations are necessary. If any fuel shipment has sulfur content greater than 0.05% by weight, calculations must be completed.

We appreciate the opportunity to provide these comments to you. If you have any questions regarding the above, please do not hesitate to contact me.

Sincerely,



Monica T. Rios

MTR:mky

pc: Mr. Bruce Beazly (via U.S. Mail)
Ms. Verbal Blakey (via U.S. Mail)
Mr. Lewis Opsal (via U.S. Mail)



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19506, SPRINGFIELD, ILLINOIS 62794-9506 - (217) 782-2113

PAT QUINN, GOVERNOR

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- REVISED

PERMITTEE

Geneseo Municipal Utilities
Attn: Lewis Opsal, Electrical Superintendent
433 East North Street
Geneseo, Illinois 61254

Application No.: 73090137

I.D. No.: 073050AAA

Applicant's Designation: ELEC DEPT

Date Received: June 19, 2006

Subject: Electric Generating Plant

Date Issued: April 6, 2011

Expiration Date: April 6, 2016

Location: 433 East North Street, Geneseo, Henry County

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of:

Seven natural gas/diesel fuel-fired engine/generators (Engine 1 - 5,600 kW capacity, Engine 2 - 3,500 kW capacity, Engine 3 - 3,500 kW capacity, Engine 4 - 2,000 kW capacity, Engine 5A - 4,400 kW capacity, Engine 6A - 3,000 kW capacity, Engine 7 - 3,000 kW capacity),

One diesel fuel-fired engine/generator (Engine 8 - 4,840 kW capacity) with Selective Catalytic Reduction (SCR) control

One natural gas-fired boiler (3.35 mmBtu/hour)

pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This Federally Enforceable State Operating Permit (FESOP) is issued to limit the emissions of air pollutants from the source to less than major source thresholds, (i.e., 100 tons per year of nitrogen oxides (NO_x)). As a result, the source is excluded from requirements to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permit(s) for this location.
- 2a. Pursuant to 35 Ill. Adm. Code 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 Ill. Adm. Code 212.122.

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- b. Pursuant to 35 Ill. Adm. Code 212.123(b), the emission of smoke or other particulate matter from any such emission unit may have an opacity greater than 30 percent but not greater than 60 percent for a period or periods aggregating 8 minutes in any 60 minute period provided that such opaque emissions permitted during any 60 minute period shall occur from only one such emission unit located within a 305 meter (1000 foot) radius from the center point of any other such emission unit owned or operated by such person, and provided further that such opaque emissions permitted from each such emission unit shall be limited to 3 times in any 24 hour period.
- c. Pursuant to 35 Ill. Adm. Code 212.124(a), 35 Ill. Adm. Code 212.122 and 212.123 shall apply during times of startup, malfunction and breakdown except as provided in the operating permit granted in accordance with 35 Ill. Adm. Code 201.
- d. Pursuant to 35 Ill. Adm. Code 212.124(b), 35 Ill. Adm. Code 212.122 and 212.123 shall not apply to emissions of water or water vapor from an emission unit.
- 3. Pursuant to 35 Ill. Adm. Code 214.301, no person shall cause or allow the emissions of sulfur dioxide into the atmosphere from any process emission source to exceed 2,000 ppmv.
- 4a. This permit is issued based on Engine/Generators 1, 2, 3, 4, 5A, and 7 not being subject to the Acid Rain Program, 40 CFR Part 72. Pursuant to 40 CFR 72.6(b)(2), any unit that commenced commercial operation before November 15, 1990 and that did not, as of November 15, 1990, and does not currently, serve a generator with a nameplate capacity of greater than 25 MWe are not affected units subject to the requirements of the Acid Rain Program.
- b. This permit is issued based on Engine/Generators 6A and 8 not being subject to the Acid Rain Program, 40 CFR Part 72. Pursuant to 40 CFR 72.7(a)(3), any new utility unit that has not previously lost an exemption under 40 CFR 72.7(f)(4) and that, in each year starting with the first year for which the unit is to be exempt burns gaseous fuel with an annual average sulfur content of 0.05 percent or less by weight (as determined under 40 CFR 72.7(d)) and nongaseous fuel with an annual average sulfur content of 0.05 percent or less by weight (as determined under 40 CFR 72.7(d)).
- c. Pursuant to 40 CFR 72.7(b)(1), any new utility unit that meets the requirements of 40 CFR 72.7(a) and that is not allocated any allowances under subpart B of 40 CFR part 73 shall be exempt from the Acid Rain Program, except for the provisions of 40 CFR 72.7, 40 CFR 72.2 through 72.6, and 40 CFR 72.10 through 72.13.
- d. Pursuant to 40 CFR 72.7(d), compliance with the requirement that fuel burned during the year have an annual average sulfur content of 0.05 percent by weight or less shall be determined as follows using a method

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of determining sulfur content that provides information with reasonable precision, reliability, accessibility, and timeliness:

- i. For gaseous fuel burned during the year where other gas in addition to or besides natural gas is burned, the requirement is met if the annual average sulfur content is equal to or less than 0.05 percent by weight. The annual average sulfur content, as a percentage by weight, for the gaseous fuel burned shall be calculated as follows:

$$\%S_{\text{annual}} = \frac{\sum_{n=1}^{\text{last}} \%S_n V_n d_n}{\sum_{n=1}^{\text{last}} V_n d_n}$$

Where:

- $\% S_{\text{annual}}$ = Annual average sulfur content of the fuel burned during the year by the unit, as a percentage by weight;
- $\% S_n$ = Sulfur content of the n^{th} sample of the fuel delivered during the year to the unit, as a percentage by weight;
- V_n = Volume of the fuel in a delivery during the year to the unit of which the n^{th} sample is taken, in standard cubic feet; or, for fuel delivered during the year to the unit continuously by pipeline, volume of the fuel delivered starting from when the n^{th} sample of such fuel is taken until the next sample of such fuel is taken, in standard cubic feet;
- d_n = Density of the n^{th} sample of the fuel delivered during the year to the unit, in lb per standard cubic foot; and
- n = Each sample taken of the fuel delivered during the year to the unit, taken at least once for each delivery; or, for fuel that is delivered during the year to the unit continuously by pipeline, at least once each quarter during which the fuel is delivered.

- ii. For nongaseous fuel burned during the year, the requirement is met if the annual average sulfur content is equal to or less than 0.05 percent by weight. The annual average sulfur content, as a percentage by weight, shall be calculated using the equation in 40 CFR 72.7(d)(2). In lieu of the factor, volume times density ($V_n d_n$), in the equation, the factor, mass (M_n), may be used, where M_n is: mass of the nongaseous fuel in a delivery during the year to the unit of which the n^{th} sample is taken, in lb; or, for fuel

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delivered during the year to the unit continuously by pipeline, mass of the nongaseous fuel delivered starting from when the nth sample of such fuel is taken until the next sample of such fuel is taken, in lb.

- 5a. Distillate fuel oil (Grades No. 1 and No. 2) and natural gas shall be the only fuels fired in the engine/generators 1-7. The use of any other fuel requires a construction permit for the modification of these units.
- b. Distillate fuel oil (Grades No. 1 and No. 2) shall be the only fuel used in engine/generator 8. The use of any other fuel requires a construction permit for the modification of these units.
- c. The Permittee shall follow good operating practices for the SCR associated with Engine 8, including periodic inspection, routine maintenance and prompt repair of defects.
- d. The Permittee is authorized to operate each of the six engine/generators in violation of the applicable limit of 35 Ill. Adm. Code 212.123 (i.e., 30 percent opacity), during startup pursuant to 35 Ill. Adm. Code 201.262, as the Permittee has affirmatively demonstrated that all reasonable efforts will be made to minimize startup emissions, duration of individual starts, and frequency of startups. This authorization is subject to the following:
- i. This authorization for excess opacity during startup only extends for a period of up to two hours for a unit, following initial firing of fuel in the engine/generator during each startup event.
 - ii. The Permittee shall take the following measures to minimize startup emissions, the duration of startups, and minimize the frequency of startups.
 - A. Implementation of established startup procedures, including slower start-up to allow each unit to reach operating temperature; and
 - B. Longer duration of start-up and minimizing emergency start-up durations.
 - iii. The Permittee shall fulfill the applicable recordkeeping requirements of Condition 11(d)(i).
 - iv. As provided by 35 Ill. Adm. Code 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.

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e. The Permittee is authorized to continue operation each of the six engine/generators in violation of the applicable requirements of 35 Ill. Adm. Code 212.123 (i.e., 30 percent opacity) in the event of a malfunction or breakdown of an engine/generator. This authorization is provided pursuant to 35 Ill. Adm. Code 201.149, 201.161 and 201.262, as the Permittee has applied for such authorization in its application, generally explaining why such continued operation would be required to provide essential service or to prevent injury to personnel or severe damage to equipment, and describing the measures that will be taken to minimize emissions from any malfunctions and breakdowns.

- i. This authorization only allows such continued operation as necessary to provide essential service or to prevent injury to personnel or severe damage to equipment and does not extend to continued operation solely for the economic benefit of the Permittee.
- ii. Upon occurrence of excess emissions due to malfunction or breakdown, the Permittee shall as soon as practicable reduce load of the engine/generator, repair the engine/generator, remove the engine/generator from service or undertake other action so that excess emissions cease.
- iii. The Permittee shall fulfill applicable recordkeeping and reporting requirements of Condition 11(d)(ii). For these purposes, time shall be measured from the start of a particular incident. The absence of excess emissions for a short period shall not be considered to end the incident if excess emissions resume. In such circumstances, the incident shall be considered to continue until corrective actions are taken so that excess emissions cease or the Permittee takes the engine/generator out of service.
- iv. Following notification to the Illinois EPA of a malfunction or breakdown with excess emissions, the Permittee shall comply with all reasonable directives of the Illinois EPA with respect to such incident, pursuant to 35 Ill. Adm. Code 201.263.
- v. This authorization does not relieve the Permittee from the continuing obligation to minimize excess emissions during malfunction or breakdown. As provided by 35 Ill. Adm. Code 201.265, an authorization in a permit for continued operation with excess emissions during malfunction and breakdown does not shield the Permittee from enforcement for any such violation 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.

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- 6a. Emissions and operation of the engine/generators shall not exceed the following:

Pollutant	Emission Factors		Emissions	
	(Lbs/mmBtu)	Lbs/Hr (each engine)	(Tons/Year)	
NO _x	3.2	197.12	95.00	
CO	1.16	71.46	40.81	
SO ₂	0.0505	3.11	1.78	
VOM	0.80	49.28	28.15	
PM	0.1470	9.06	5.17	

These limits are based upon standard emission factors (Table 3.4-1, AP-42 (5th edition, Supplement B, October 1996)), and the maximum heat input of all fuel used in the engine/generators.

- b. Emissions from the natural gas fired boiler shall not exceed the following limits:

Pollutant	Emission Factor		Emissions	
	(Lbs/mmscf)	(Lbs/Hour)	(Tons/Year)	
NO _x	100.00	0.34	1.47	
CO	84.00	0.28	1.23	
SO ₂	0.60	0.01	0.01	
VOM	5.50	0.08	0.08	
PM	7.60	0.11	0.11	

These limits are based upon standard emission factors (Section 1.4-1, AP-42 (5th edition, Supplement D, July 1998)), and the maximum heat input of the fuel used in the boiler.

- c. The above limitations contain revisions to previously issued Permit 01090032. The source has requested that the Illinois EPA establish conditions in this permit that allow various refinements from the conditions of this aforementioned permit, consistent with the information provided in the FESOP application. The source has requested these revisions and has addressed the applicability and compliance of Title I of the Clean Air Act, specifically 40 CFR 52.21, Prevention of Significant Deterioration (PSD). These limits continue to ensure that the construction and/or modification addressed in the aforementioned permit does not constitute a new major source or major modification pursuant to these rules. These limits are the primary enforcement mechanism for the equipment and activities permitted in this permit and the information in the FESOP application contains the most current and accurate information for the source. Specifically, the permitted emissions limits have been increased for CO (from 12.4 to 42.04 tons/year), PM (from 2.2 to 5.28 tons/year), and VOM (from 2.50 to 28.23 tons/year) and the permitted emission limits have been reduced for NO_x (from 96.6 to 96.47 tons/year) and SO₂ (from 3.7 to 1.79 tons/year).

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- d. Compliance with the annual limits of this permit shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).
7. This permit is issued based on the Potential to Emit (PTE) for Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act being less than 10 tons per year of any single HAP and 25 tons per year of any combination of such HAPs. As a result, this permit is issued based on the emissions of all HAPs from this source not triggering the requirements to obtain a Clean Air Act Permit Program (CAAPP) permit from the Illinois EPA.
- 8a. Pursuant to 35 Ill. Adm. Code 201.282, 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:
- i. 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. The Illinois EPA may adopt procedures detailing methods of testing and formats for reporting results of testing. Such procedures and revisions thereto, shall not become effective until filed with the Secretary of State, as required by the APA Act. 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.
 - ii. 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.
- b. Testing required by Condition 9 shall be performed upon a written request from the Illinois EPA by a qualified independent testing service.
- 9a. Pursuant to 35 Ill. Adm. Code 212.107, 212.109, and 212.110, testing for particulate matter emissions shall be performed as follows:
- i. For both fugitive and nonfugitive particulate matter emissions, a determination as to the presence or absence of visible emissions

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- from emission units shall be conducted in accordance with Method 22, 40 CFR Part 60, Appendix A, incorporated by reference in 35 Ill. Adm. Code 212.113, except that the length of the observing period shall be at the discretion of the observer, but not less than one minute. This Condition shall not apply to 35 Ill. Adm. Code 212.301, pursuant to 35 Ill. Adm. Code 212.107.
- ii. Except as otherwise provided in 35 Ill. Adm. Code Part 212, and except for the methods of data reduction when applied to 35 Ill. Adm. Code 212.122 and 212.123, measurements of opacity shall be conducted in accordance with Method 9, 40 CFR Part 60, Appendix A, and the procedures in 40 CFR 60.675(c) and (d), if applicable, incorporated by reference in 35 Ill. Adm. Code 212.113, except that for roadways and parking areas the number of readings required for each vehicle pass will be three taken at 5-second intervals. The first reading shall be at the point of maximum opacity and second and third readings shall be made at the same point, the observer standing at right angles to the plume at least 15 feet away from the plume and observing 4 feet above the surface of the roadway or parking area. After four vehicles have passed, the 12 readings will be averaged, pursuant to 35 Ill. Adm. Code 212.109.
 - iii. Measurement of particulate matter emissions from stationary emission units subject to 35 Ill. Adm. Code Part 212 shall be conducted in accordance with 40 CFR part 60, Appendix A, Methods 5, 5A, 5D, or 5E, pursuant to 35 Ill. Adm. Code 212.110(a).
 - iv. The volumetric flow rate and gas velocity shall be determined in accordance with 40 CFR part 60, Appendix A, Methods 1, 1A, 2, 2A, 2C, 2D, 3, and 4, pursuant to 35 Ill. Adm. Code 212.110(b).
 - v. Upon a written notification by the Illinois EPA, the owner or operator of a particulate matter emission unit subject to 35 Ill. Adm. Code Part 212 shall conduct the applicable testing for particulate matter emissions, opacity, or visible emissions at such person's own expense, to demonstrate compliance. Such test results shall be submitted to the Illinois EPA within thirty (30) days after conducting the test unless an alternative time for submittal is agreed to by the Illinois EPA, pursuant to 35 Ill. Adm. Code 212.110(c).
- b. Testing required by Condition 9(a) shall be performed by a qualified independent testing service.
- 10a. Pursuant to 40 CFR 63.10(b)(3), if an owner or operator determines that his or her stationary source that emits (or has the potential to emit, without considering controls) one or more hazardous air pollutants regulated by any standard established pursuant to section 112(d) or (f) of the Clean Air Act, and that stationary source is in the source category regulated by the relevant standard, but that source is not subject to the relevant standard (or other requirement established

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- under 40 CFR Part 63), because of limitations on the source's potential to emit or an exclusion, the owner or operator must keep a record of the applicability determination on site at the source for a period of 5 years after the determination, or until the source changes its operations to become an affected source, whichever comes first. The record of the applicability determination must be signed by the person making the determination and include an analysis (or other information) that demonstrates why the owner or operator believes the source is unaffected (e.g., because the source is an area source). The analysis (or other information) must be sufficiently detailed to allow the USEPA and/or Illinois EPA to make a finding about the source's applicability status with regard to the relevant standard or other requirement. If relevant, the analysis must be performed in accordance with requirements established in relevant subparts of 40 CFR Part 63 for this purpose for particular categories of stationary sources. If relevant, the analysis should be performed in accordance with USEPA guidance materials published to assist sources in making applicability determinations under Section 112 of the Clean Air Act, if any. The requirements to determine applicability of a standard under 40 CFR 63.1(b)(3) and to record the results of that determination under 40 CFR 63.10(b)(3) shall not by themselves create an obligation for the owner or operator to obtain a Title V permit.
- b. Pursuant to 40 CFR 72.7(f)(3), for a period of 5 years from the date the records are created, the owners and operators of a unit exempt under 40 CFR 72.7 shall retain at the source that includes the unit records demonstrating that the requirements of 40 CFR 72.7(a) are met. The 5-year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the USEPA or Illinois EPA or the permitting authority.
- i. Such records shall include, for each delivery of fuel to the unit or for fuel delivered to the unit continuously by pipeline, the type of fuel, the sulfur content, and the sulfur content of each sample taken.
- ii. The owners and operators bear the burden of proof that the requirements of 40 CFR 72.7(a) are met.
- c. Pursuant to 35 Ill. Adm. Code 212.110(e), the owner or operator of an emission unit subject to 35 Ill. Adm. Code Part 212 shall retain records of all tests which are performed. These records shall be retained for at least three (3) years after the date a test is performed.
- d. The Permittee shall maintain records of the following items so as to demonstrate compliance with the conditions of this permit:
- i. Date and duration of startup of the engines, (i.e., start time and time normal operation achieved, and stable operation at load);

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- ii. Records addressing use of good operating practices for the SCR System:
- A. A file containing manufacturer/vendor or source developed operating and maintenance procedures, including the catalyst management plan;
 - B. An operating log that at a minimum identifies when the engine is operated with SCR system with corresponding engine load setting and rate of injection of SCR reagent, e.g., gallon or pound per hour;
 - C. Maintenance and repair log, including the date and nature of maintenance and repair activities performed, e.g., addition or replacement of a catalyst layer; and
 - D. Usage of SCR reagent on a monthly basis.
- iii. Records for each shipment of fuel oil received, the amount received, maximum sulfur content, and supplier;
- iv. Total combined diesel fuel usage for Engines 1, 2, 3, 4, 5A, 6A, 7, and 8 (gallons/month and gallons/year);
- v. Total combined natural gas usage for Engines 1, 2, 3, 4, 5A, 6A, and 7 (scf/month and scf/year);
- vi. Natural gas usage for the boiler (scf/month and scf/year);
- vii. Fuel analysis sheets indicating sulfur content for each shipment or purchase of diesel fuel; and
- viii. Monthly and annual emissions of CO, NO_x, PM, SO₂, and VOM (tons/month and tons/year) from the source (facility total), with supporting calculations.
11. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least five (5) years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA or USEPA request for records during the course of a source inspection.
12. If there is an exceedance of or a deviation from the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance/deviation. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the

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relevant records, and a description of the exceedance or deviation and efforts to reduce emissions and future occurrences.

13. Pursuant to 35 Ill. Adm. Code 212.110(d), a person planning to conduct testing for particulate matter emissions to demonstrate compliance shall give written notice to the Illinois EPA of that intent. Such notification shall be given at least thirty (30) days prior to the initiation of the test unless a shorter period is agreed to by the Illinois EPA. Such notification shall state the specific test methods from 35 Ill. Adm. Code 212.110 that will be used.

14. Two copies of required reports and notifications shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and one copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control
5415 North University
Peoria, Illinois 61614

If you have any questions concerning this permit, please call Bruce Beazly at 217/782-2113.



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

Date Signed: 4/6/2011

ECB:BDB:psj

cc: Region 2
Lotus Notes

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emissions from the power generating plant, operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Agency used the annual operating scenario, which results in maximum emissions from such a plant. The resulting maximum emissions are below the levels, (e.g., 100 tons per year of NO_x) at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled, less coating is used, and control measures are more effective than required in this permit.

<u>Emission Unit</u>	<u>E M I S S I O N S (Tons/Year)</u>				
	<u>CO</u>	<u>NO_x</u>	<u>PM</u>	<u>SO₂</u>	<u>VOM</u>
Engine/Generators	40.81	95.00	5.17	1.78	28.15
Natural Gas-Fired Boiler	<u>1.23</u>	<u>1.47</u>	<u>0.11</u>	<u>0.01</u>	<u>0.08</u>
Totals	42.04	96.47	5.28	1.79	28.23

BDB:psj



STATE OF ILLINOIS
 ENVIRONMENTAL PROTECTION AGENCY
 DIVISION OF AIR POLLUTION CONTROL
 P.O. BOX 19506
 SPRINGFIELD, ILLINOIS 62794-9506

STANDARD CONDITIONS
 FOR
 OPERATING PERMITS

May, 1993

The Illinois Environmental Protection Act (Illinois Revised Statutes, Chapter 111-1/2, Section 1039) grants the Environmental Protection Agency authority to impose conditions on permits which it issues.

The following conditions are applicable unless superseded by special permit conditions(s).

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 with applicable local laws, ordinances and regulations.
2. 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 ground for revocation under 35 Ill. Adm. Code 201.166.
3.
 - a. The Permittee shall not authorize, cause, direct or allow any modification, as defined in 35 Ill. Adm. Code 201.102, of equipment, operations or practices which are reflected in the permit application as submitted unless a new application or request for revision of the existing permit is filed with the Illinois EPA and unless a new permit or revision of the existing permit(s) is issued for such modification.
 - b. This permit only covers emission sources and control equipment while physically present at the indicated plant location(s). Unless the permit specifically provides for equipment relocation, this permit is void for an item of equipment on the day it is removed from the permitted location(s) or if all equipment is removed, notwithstanding the expiration date specified on the permit.
4. The Permittee shall allow any duly authorized agent of the Illinois EPA, upon the presentation of credentials, at reasonable times:
 - a. To enter the Permittee's property where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit;
 - b. To have access to and to copy any records required to be kept under the terms and conditions of this permit;
 - c. To inspect, including during any hours of operation of equipment constructed or operated under this permit, such equipment and any equipment required to be kept, used, operated, calibrated and maintained under this permit;
 - d. To obtain and remove samples of any discharge or emission of pollutants; and
 - e. To enter and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring or recording any activity, discharge or emission authorized by this permit.
5. The issuance of this permit:
 - a. Shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are located;

- b. 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 facilities;
 - c. Does not take into consideration or attest to the structural stability of any unit or part of the project; and
 - d. 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 proposed equipment or facility.
6. The facilities covered by this permit shall be operated in such a manner that the disposal of air contaminants collected by the equipment shall not cause a violation of the Environmental Protection Act or regulations promulgated thereunder.
 7. The Permittee shall maintain all equipment covered under this permit in such a manner that the performance of such equipment shall not cause a violation of the Environmental Protection Act or regulations promulgated thereunder.
 8. The Permittee shall maintain a maintenance record on the premises for each item of air pollution control equipment. This records shall be made available to any agent of the Environmental Protection Agency at any time during normal working hours and/or operating hours. As a minimum, this record shall show the dates of performance and nature of preventative maintenance activities.
 9. No person shall cause or allow continued operation during malfunction, breakdown or startup of any emission source or related air pollution control equipment if such operation would cause a violation of an applicable emission standard or permit limitation. Should a malfunction, breakdown or startup occur which results in emissions in excess of any applicable standard or permit limitation, the Permittee shall:
 - a. Immediately report the incident to the Illinois EPA's Regional Field Operations Section Office by telephone, telegraph, or other method as constitutes the fastest available alternative, and shall comply with all reasonable directives of the Illinois EPA with respect to the incident;
 - b. Maintain the following records for a period of no less than two (2) years:
 - i. Date and duration of malfunction, breakdown, or startup,
 - ii. Full and detailed explanation of the cause,
 - iii. Contaminants emitted and an estimate of quantity of emissions,
 - iv. Measures taken to minimize the amount of emissions during the malfunction, breakdown or startup, and
 - v. Measures taken to reduce future occurrences and frequency of incidents.
 10. If the permit application contains a compliance program and project completion schedule, the Permittee shall submit a project completion status report within thirty (30) days of any date specified in the compliance program and project completion schedule or at six month intervals, whichever is more frequent.
 11. The Permittee shall submit an Annual Emission Report as required by 35 Ill. Adm. Code 201.302 and 35 Ill. Adm. Code Part 254.

BOARD OF AIR

For assistance in preparing a permit application contact the Permit Section.

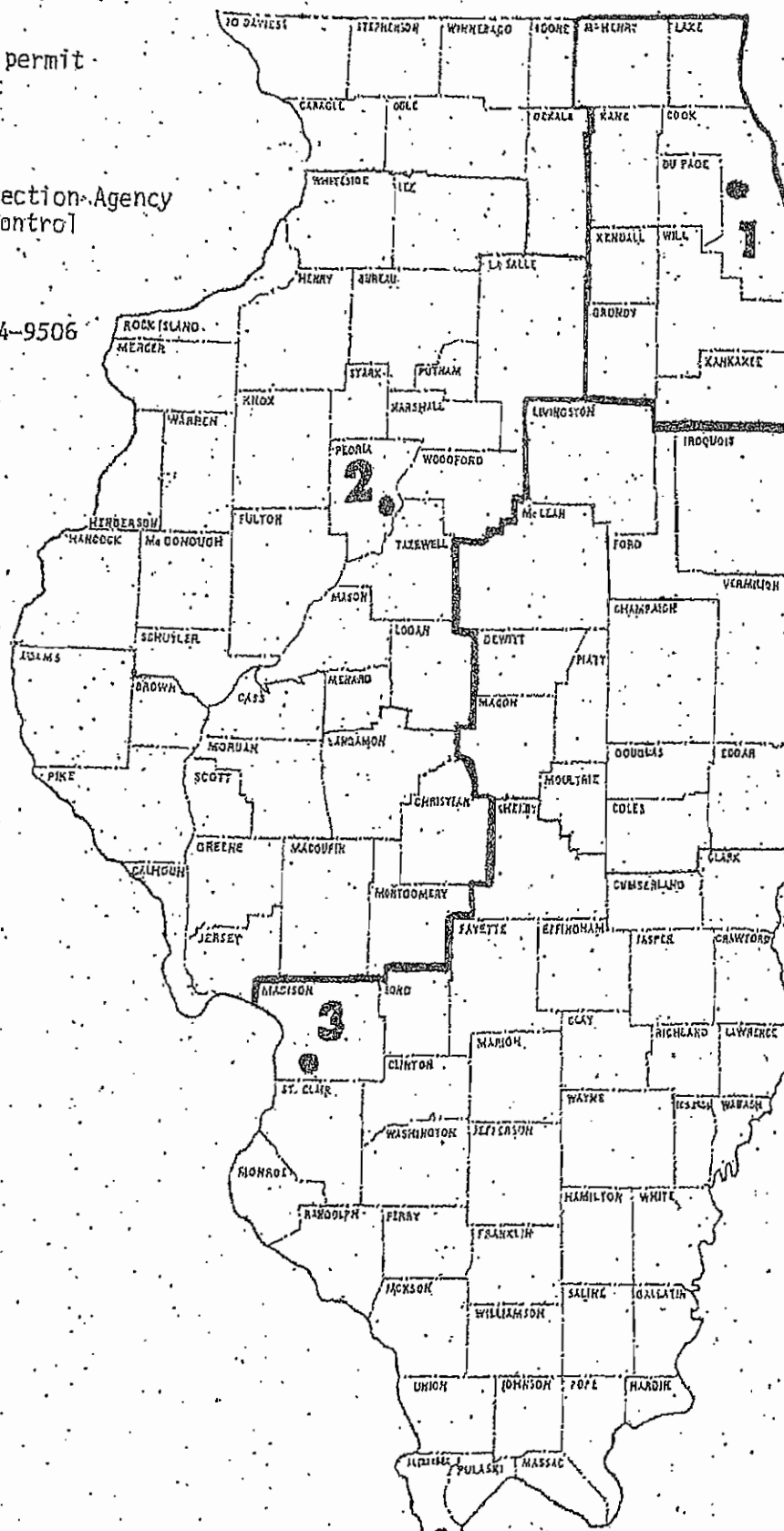
Illinois Environmental Protection Agency
Division of Air Pollution Control
Permit Section
1021 N. Grand Ave E.
P.O. Box 19506
Springfield, Illinois 62794-9506

or a regional office of the Field Operations Section. The regional offices and their areas of responsibility are shown on the map. The addresses and telephone numbers of the regional offices are as follows:

Illinois EPA
Region 1
Bureau of Air, FOS
9511 West Harrison
Des. Plaines, Illinois 60016
847/294-4000

Illinois EPA
Region 2
5415 North University
Peoria, Illinois 61614
309/693-5463

Illinois EPA
Region 3
1009 Mall Street
Molineville, Illinois 62234
618/346-5120



CERTIFICATE OF SERVICE

I, the undersigned, hereby certify that I have served the attached ENTRY OF APPEARANCE OF N. LADONNA DRIVER, ENTRY OF APPEARANCE OF MONICA T. RIOS, and PETITION FOR REVIEW upon:

Mr. John T. Therriault
Assistant Clerk of the Board
Illinois Pollution Control Board
100 West Randolph Street
Suite 11-500
Chicago, Illinois 60601

via electronic mail on May 10, 2011; and upon:

Christine Zeivel, Esq.
Office of the Attorney General of Illinois
Environmental Bureau
500 South Second Street
Springfield, Illinois 62706

Sally A. Carter, Esq.
Division of Legal Counsel
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

by depositing said documents in the United States Mail, postage prepaid, in Springfield, Illinois, on May 10, 2011.

By: /s/ Monica T. Rios
Monica T. Rios