



State of Ohio Environmental Protection Agency

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Columbus, OH 43216-1049

1/28/2010

Certified Mail

GARTH REYNOLDS
Genoa Diesel Generating Station
509 Main Street
Genoa, OH 43430-1626

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR
No	CEMS
No	MACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0362000130
Permit Number: P0087404
Permit Type: Renewal
County: Ottawa

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate ("PTIO") which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.ohio.gov/dapc, from the "Permits" link. This document contains additional information related to your permit, such as what activities are covered under the PTIO, who has enforcement authority over the permit and Ohio EPA's authorization to inspect your facility and records. Please contact the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469 if you need assistance.

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of \$70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions regarding this permit, please contact the Ohio EPA DAPC, Northwest District Office. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.ohio.gov/dapc.

Sincerely,

Michael W. Ahern
Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA-NWDO

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director



**State of Ohio Environmental Protection Agency
Division of Air Pollution Control**

FINAL

**Air Pollution Permit-to-Install and Operate
for
Genoa Diesel Generating Station**

Facility ID: 0362000130
Permit Number: P0087404
Permit Type: Renewal
Issued: 1/28/2010
Effective: 1/28/2010
Expiration: 1/28/2015



State of Ohio Environmental Protection Agency
 Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
 for
 Genoa Diesel Generating Station

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Final Permit-to-Install and Operate
Permit Number: P0087404
Facility ID: 0362000130
Effective Date: 1/28/2010

Authorization

Facility ID: 0362000130
Application Number(s): A0018375
Permit Number: P0087404
Permit Description: Renewal FEPTIO for three diesel fired generation units
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 1/28/2010
Effective Date: 1/28/2010
Expiration Date: 1/28/2015
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Genoa Diesel Generating Station
Industrial Park Road
Genoa, OH 43430

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419)352-8461

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director



State of Ohio Environmental Protection Agency
 Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: P0087404
Facility ID: 0362000130
Effective Date: 1/28/2010

Authorization (continued)

Permit Number: P0087404
 Permit Description: Renewal FEPTIO for three diesel fired generation units

Permits for the following emissions unit(s) or groups of emissions units are in this document as indicated below:

Group Name: Group #1 - Oil Fired Generators

Emissions Unit ID:	P001
Company Equipment ID:	Genoa Engine#1
Superseded Permit Number:	03-13779
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P002
Company Equipment ID:	Genoa Engine#2
Superseded Permit Number:	03-13779
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P003
Company Equipment ID:	Genoa Engine#3
Superseded Permit Number:	03-13779
General Permit Category and Type:	Not Applicable



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0087404

Facility ID: 0362000130

Effective Date: 1/28/2010

A. Standard Terms and Conditions



1. What does this permit-to-install and operate ("PTIO") allow me to do?

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. Who is responsible for complying with this permit?

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. What records must I keep under this permit?

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. What are my permit fees and when do I pay them?

There are two fees associated with permitted air contaminant sources in Ohio:

- PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

- Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. When does my PTIO expire, and when do I need to submit my renewal application?

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.



If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.

10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Ohio EPA DAPC, Northwest District Office in accordance with OAC



rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emission unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0087404

Facility ID: 0362000130

Effective Date: 1/28/2010

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0087404

Facility ID: 0362000130

Effective Date: 1/28/2010

B. Facility-Wide Terms and Conditions



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0087404

Facility ID: 0362000130

Effective Date: 1/28/2010

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
 - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (1) None.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0087404

Facility ID: 0362000130

Effective Date: 1/28/2010

C. Emissions Unit Terms and Conditions



1. Emissions Unit Group - Group #1 - Oil Fired Generators: P001, P002, P003,

EU ID	Operations, Property and/or Equipment Description
P001	Diesel Generator, Unit 1 at 19.8 MMBtu/hr
P002	Diesel Generator, Unit 2 at 19.8 MMBtu/hr
P003	Diesel Generator, Unit 3 at 19.8 MMBtu/hr

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. b)(1)b., b)(2)b., c)(3), d)(1), e)(1) and f)(2)f.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

a.	OAC rule 3745-31-05(A)(3)	<p>47.69 lbs nitrogen oxides (NO_x)/hr from each emission unit</p> <p>3.67 lbs carbon monoxide (CO)/hr and 6.48 tons CO/yr from each emission unit</p> <p>1.06 lbs organic compounds (OC)/hr and 1.87 tons OC/yr from each emission unit</p> <p>0.036 lb particulate emissions (PE)/MMBtu heat input and 1.26 tons PE/yr from each emission unit</p> <p>0.051 lb sulfur dioxide (SO₂)/MMBtu heat input and 1.78 tons SO₂/yr from each emission unit</p> <p>Visible particulate emissions shall not exceed 10% opacity, as a six-minute average from each emission unit.</p>
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		See b)(2)a.
b.	OAC rule 3745-31-05(D)	84.47 tons NO _x per rolling 12-month period for emission units P001, P002, and P003 combined See b)(2)b.
c.	OAC rule 3745-17-07(A)	See b)(2)c.
d.	OAC rule 3745-17-11(B)(5)(b)	See b)(2)c.
e.	OAC rule 3745-18-06(G)	See b)(2)c.

(2) Additional Terms and Conditions

- a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(D).
- b. The permittee has requested the following federally enforceable restrictions for P001, P002, and P003 combined, in order to avoid Title V and PSD applicability:
 - i. 84.47 tons NO_x per rolling 12-month period based on an annual cumulative fuel usage restrictions [See c)(3)].
- c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

c) Operational Restrictions

- (1) The permittee shall burn only number two fuel oil in these emissions units.
- (2) The quality of the number two fuel oil burned in these emission units shall meet, on an "as received" basis, a sulfur content and a heat content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.051 lb SO₂/MMBtu of actual heat input.
- (3) The maximum combined annual number two fuel oil usage for emission units P001, P002, and P003 shall not exceed 511,920 gallons per year, based upon a rolling, 12-month summation of the monthly fuel usage.

Compliance with the annual number two fuel oil usage limitation shall be based on a rolling, 12-month summation of the monthly fuel usage.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the following information for each emission unit:
 - a. The number two fuel oil usage for each month, in gallons;
 - b. The rolling, 12-month summation of the fuel usage;
 - c. The calculated emissions of NO_x, in tons, using the following equation:

$$\text{NO}_x \text{ emissions} = [\text{d})(1)\text{a.}] \times [0.33 \text{ lb NO}_x/\text{gal}] \times [1 \text{ ton}/2000 \text{ lbs}]$$



The emission factor of 0.33 lb NO_x/gal is based on manufacturer supplied data for this specific generator; and,

- d. the rolling 12-month summation of NO_x emissions.
- (2) The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in these emission units. The permittee shall perform or require the supplier to perform the analyses for sulfur content (lbs/MMBtu) and heat content (Btu/gal) in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval from the Ohio EPA, Northwest District Office.
 - (3) For each shipment of number two fuel oil received for burning in these emissions units, the permittee shall maintain records of the permittee's or oil supplier's analyses of sulfur content and heat content. The permittee shall use the above information to calculate the lb SO₂/MMBtu heat input for each shipment received.
 - (4) For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in these emission units.
- e) Reporting Requirements
- (1) The permittee shall submit quarterly deviation (excursion) reports for each emission unit that identify:
 - a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the potential to emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
 - i. the rolling, 12-month fuel usage limitation of the emission units, P001, P002, and P003 combined;
 - b. the probable cause of each deviation (excursion);
 - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
 - d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

- (2) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee



shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

- (1) The permittee shall conduct emission testing for either emission unit P001 or P002. Emission unit P003 was tested on 7/20/04 and showed compliance. The test shall be conducted in accordance with the following requirements:
 - a. The emission testing shall be conducted within 6 months after issuance of this permit. The testing time frame(s) specified may be amended or waived for cause upon prior request of, and written approval of, the Ohio EPA Northwest District Office.
 - b. The test(s) shall be conducted while the emission unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA Northwest District Office.
 - c. The emission testing shall be conducted to demonstrate compliance with the lbs/hr NO_x emission limitation.
 - d. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates: for NO_x, Method 1-4 and 7 of 40 CFR Part 60, Appendix A.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northwest District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emission units operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Northwest District Offices refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA Northwest District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emission unit and the testing procedures provide a valid characterization of the emissions from the emission unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Northwest District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Northwest District Office.

- (2) Compliance with the emission limitations in section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emissions Limitations: 0.036 lb PE/MMBtu heat input and 1.26 tons PE/yr from each emission unit



Applicable Compliance Method: The permittee shall demonstrate compliance with the heat input emission limitation by dividing a manufacturer supplied emission factor of 0.72 lb PE/hr by the maximum heat input of the emissions unit of 19.8 MMBtu/hr. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A.

The annual emission limitation was established by the following:

$$\text{tons PE/yr} = (0.036 \text{ lb PE/MMBtu}) \times (0.1365 \text{ MMBtu/gal}) \times (511,920 \text{ gals/yr})$$

(2000 lbs/ton)

Where:

0.036 lb PE/MMBtu = heat input limitation

0.1365 MMBtu/gal = heat content of number two fuel oil

511,920 gals/yr = maximum annual number two fuel usage restriction

2000 lbs/ton = conversion factor

Therefore provided compliance is shown with the heat input limitation and with the maximum annual fuel usage restriction for number two fuel oil, compliance with the annual limitation will be assumed.

- b. Emissions Limitations: 0.051 lb SO₂/MMBtu heat input and 1.78 tons SO₂/yr from each emission unit

Applicable Compliance Method: The permittee shall demonstrate compliance with the heat input limitation by the record keeping required in section d)(2) and d)(3).

The annual emission limitation was established by the following:

$$\text{tons SO}_2/\text{yr} = (0.051 \text{ lb SO}_2/\text{MMBtu}) \times (0.1365 \text{ MMBtu/gal}) \times (511,920 \text{ gals/yr})$$

(2000 lbs/ton)

Where:

0.051 lb SO₂/MMBtu = heat input limitation

0.1365 MMBtu/gal = heat content of number two fuel oil

511,920 gals/yr = maximum annual number two fuel usage restriction

2000 lbs/ton = conversion factor

Therefore provided compliance is shown with the heat input limitation and with the maximum annual fuel usage restriction for number two fuel oil, compliance with the annual limitation will be assumed.



- c. Emissions Limitation: 47.69 lbs NO_x/hr from each emission unit

Applicable Compliance Method: The permittee shall demonstrate compliance by the stack testing required in section f)(1).

- d. Emissions Limitations: 3.67 lbs CO/hr and 6.48 tons CO/yr from each emission unit

Applicable Compliance Method: The hourly CO emission limitation is based on the emissions unit's potential to emit*, therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 10 of 40 CFR Part 60, Appendix A.

*The potential to emit is based on emissions data from an identical emissions unit.

The annual emission limitation was established by the following:

$$\text{tons CO/yr} = \frac{(3.67 \text{ lbs CO/hr}) \times (0.1365 \text{ MMBtu/gal}) \times (511,920 \text{ gals/yr})}{(19.8 \text{ MMBtu/hr}) \times (2000 \text{ lbs/ton})}$$

Where:

3.67 lbs PE/hr = hourly potential to emit

0.1365 MMBtu/gal = heat content of number two fuel oil

511,920 gals/yr = maximum annual number two fuel usage restriction

19.8 MMBtu/hr = maximum heat input for generator

2000 lbs/ton = conversion factor

Therefore provided compliance is shown with the maximum annual fuel usage restriction for number two fuel oil, compliance with the annual limitation will be assumed.

- e. Emission Limitations: 1.06 lbs OC/hr and 1.87 tons OC/yr from each emission unit

Applicable Compliance Method: The hourly OC emission limitation is based on the emissions unit's potential to emit*, therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 18, 25, or 25A as applicable of 40 CFR Part 60, Appendix A.

*The potential to emit is based on emissions data from an identical emissions unit.



The annual emission limitation was established by the following:

$$\text{tons OC/yr} = \frac{(1.06 \text{ lbs OC/hr}) \times (0.1365 \text{ MMBtu/gal}) \times (511,920 \text{ gals/yr})}{(19.8 \text{ MMBtu/hr}) \times (2000 \text{ lbs/ton})}$$

Where:

1.06 lbs OC/hr = hourly potential to emit

0.1365 MMBtu/gal = heat content of number two fuel oil

511,920 gals/yr = maximum annual number two fuel usage restriction

19.8 MMBtu/hr = maximum heat input for generator

2000 lbs/ton = conversion factor

Therefore provided compliance is shown with the maximum annual fuel usage restriction for number two fuel oil, compliance with the annual limitation will be assumed.

- f. Emissions Limitation: 84.47 tons of NO_x per rolling 12-month period for emission units P001, P002, and P003 combined

Applicable Compliance Method: The permittee shall demonstrate compliance by the record keeping required in section d)(1).

- g. Emission Limitation: Visible particulate emissions from this emission unit shall not exceed 10% opacity, as a six-minute average from each emission unit

Applicable Compliance Method: If required, the permittee shall demonstrate compliance by testing in accordance with Method 9 of 40 CFR Part 60, Appendix A.

- g) Miscellaneous Requirements

- (1) None.