



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL  
MARION COUNTY**

**CERTIFIED MAIL**

Street Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center

**Application No: 03-13891**

**DATE: 3/13/2003**

Marion Correctional Institution  
Harry Jacobs  
700 Brooksedge Boulevard  
Westerville, OH 43081

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

*Michael W. Ahern*

Michael W. Ahern, Supervisor  
Field Operations and Permit Section  
Division of Air Pollution Control

CC: USEPA

NWDO



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**Permit To Install  
Terms and Conditions**

**Issue Date: 3/13/2003  
Effective Date: 3/13/2003**

**FINAL PERMIT TO INSTALL 03-13891**

Application Number: 03-13891  
APS Premise Number: 0351010182  
Permit Fee: **\$400**  
Name of Facility: Marion Correctional Institution  
Person to Contact: Harry Jacobs  
Address: 700 Brooksedge Boulevard  
Westerville, OH 43081

Location of proposed air contaminant source(s) [emissions unit(s)]:

**940 Marion Williamsport Road  
Marion, Ohio**

Description of proposed emissions unit(s):

**1490 horsepower (21 mmBtu/hr) diesel fuel fired generator (Generator 2).**

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) 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 above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Director

## Part I - GENERAL TERMS AND CONDITIONS

### A. State and Federally Enforceable Permit To Install General Terms and Conditions

#### 1. Monitoring and Related Record keeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
  - i. The date, place (as defined in the permit), and time of sampling or measurements.
  - ii. The date(s) analyses were performed.
  - iii. The company or entity that performed the analyses.
  - iv. The analytical techniques or methods used.
  - v. The results of such analyses.
  - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
  - i. Reports of any required monitoring and/or record keeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
  - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous

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calendar quarters. See B.9 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, record keeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

## **2. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

## **3. Risk Management Plans**

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

## **4. Title IV Provisions**

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

## **5. Severability Clause**

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

## **6. General Requirements**

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

## **7. Fees**

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit To Install fees within 30 days after the issuance of this Permit To Install.

## **8. Federal and State Enforceability**

Only those terms and conditions designated in this permit as federally enforceable, that are

required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

## **9. Compliance Requirements**

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
  - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
  - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
  - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
  - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
  - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
  - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

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#### **10. Permit To Operate Application**

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

#### **11. Best Available Technology**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

#### **12. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

**B. State Only Enforceable Permit To Install General Terms and Conditions**

**1. Compliance Requirements**

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

**2. Reporting Requirements**

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or record keeping of state-only enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

**3. Permit Transfers**

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

**4. Termination of Permit To Install**

This permit to install shall terminate within eighteen months of the effective date of the permit to install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

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**5. Construction of New Sources(s)**

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

**6. Public Disclosure**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

**7. Applicability**

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

**8. Construction Compliance Certification**

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The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit To Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

**9. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)**

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

**C. Permit To Install Summary of Allowable Emissions**

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)**  
**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<b><u>Pollutant</u></b>	<b><u>Tons Per Year</u></b>
PE	0.12
NO <sub>x</sub>	5.96
CO	0.60
SO <sub>2</sub>	2.72

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**Part II - FACILITY SPECIFIC TERMS AND CONDITIONS**

**A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions**

None

**B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>
1490 horsepower (21 mmBtu/hr) diesel fuel fired generator (generator 2).	OAC rule 3745-17-07 (A)
	OAC rule 3745-17-11 (B) (5) (b)
	OAC rule 3745-18-06 (G)
	OAC rule 3745-21-07 (B)
	OAC rule 3745-23-06 (B)

OAC rule 3745-31-05 (D)

**Mario**  
**PTI A**  
**Issued: 3/13/2003**

Emissions Unit ID: **P001**

Applicable Emissions <u>Limitations/Control</u> <u>Measures</u>	See A.I.2.c.
0.30 lb particulate emissions (PE)/hr & 0.12 ton PE/yr	See A.I.2.d.
14.90 lbs Nitrogen Oxide (NO <sub>x</sub> )/hr	See A.I.2.d.
1.49 lbs Carbon Monoxide (CO)/hr & 0.60 ton CO/yr	
6.79 lbs Sulfur Dioxide (SO <sub>2</sub> )/hr	
Visible particulate emissions shall not exceed 10 percent opacity as a 6-minute average, except during start-up and shutdown	
See A.I.2.a	
See A.II.1.	
5.96 tons NO <sub>x</sub> /rolling 12-month period, based on hours of operation restriction (See A.I.2.b.)	
2.72 tons SO <sub>2</sub> /rolling 12-month period, based on hours of operation restriction (See A.I.2.b.)	
See A.I.2.c.	
See A.I.2.c.	

**2. Additional Terms and Conditions**

- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05 (D).
- 2.b** The permittee has requested federally enforceable limitations of 5.96 tons NO<sub>x</sub> per rolling 12-month period and 2.72 tons SO<sub>2</sub> per rolling 12-month period based on an hours of operation restriction (see section A.II.2.) for purposes of limiting potential to emit to avoid Title V applicability.
- 2.c** The emission limitation specified by this rule is less stringent than the emission limitation established by OAC rule 3745-31-05 (A) (3).
- 2.d** The permittee has satisfied the "latest available control techniques and operating practices required pursuant to OAC rule 3745-21-07 (B) and OAC rule 3745-23-06 (B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05 (A) (3) in this permit to install.

**II. Operational Restrictions**

- 1.** The quality of the diesel/oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in Section A.I. above.
- 2.** The maximum annual hours of operation for emissions unit P001 shall not exceed 800 hours per year, based upon a rolling 12-month summation of the operating hours. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the levels specified in the following table:

<u>Month</u>	<u>Maximum Allowable Hours of Operation</u>
1	200
1-2	255
1-3	310
1-4	365
1-5	420
1-6	475
1-7	530
1-8	585
1-9	640

1-10	695
1-11	750
1-12	800

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual hours of operation limitation shall be based upon a rolling 12-month summation of operating hours.

### III. Monitoring and/or Record keeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:
  - a. The hours of operation;
  - b. During the first 12 calendar months of operation, the cumulative hours of operation;
  - c. Beginning the first month after the first 12 calendar months of operation, the rolling, 12-month summation of the hours of operation;
  - d. The calculated monthly emission rate for NO<sub>x</sub> using the following equation:  
  

$$\text{NO}_x \text{ emissions in tons} = (\text{hours of operation}) \times (\text{potential hourly NO}_x \text{ emissions}) \times (1 \text{ ton}/2000 \text{ lbs}) = (\text{A.III.1.a.}) \times (14.90 \text{ lb PE/hr}) \times (1 \text{ ton}/2000 \text{ lbs})$$
  - e. The calculated monthly emission rate for SO<sub>2</sub> using the following equation:  
  

$$\text{SO}_2 \text{ emissions in tons} = (\text{hours of operation}) \times (\text{potential hourly SO}_2 \text{ emissions}) \times (1 \text{ ton}/2000 \text{ lbs}) = (\text{A.III.1.a.}) \times (6.79 \text{ lbs SO}_2/\text{hr}) \times (1 \text{ ton}/2000 \text{ lbs})$$
  - f. Beginning the first month after the 12 calendar months of operation, the rolling, 12-month summation, in ton of the emission rates for NO<sub>x</sub> and SO<sub>2</sub>.
2. For each day during which the permittee burns a fuel other than diesel fuel the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
3. For each shipment of diesel/oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of diesel/oil received, the permittee's or diesel/oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/hr). The sulfur dioxide emission rate shall be calculated in accordance with the following formula:

$$\text{ER} = (1 \times 10^6 \times M)/H \times D \times S \times 1.974$$

where: ER = the emission rate in pounds of sulfur dioxide per hour;

M = Maximum heat input = 21 mmBtu/hr;

H = the heat content of the liquid fuel in Btu per gallon;

D = the density of the liquid fuel in pounds per gallon; and

S = the decimal fraction of sulfur in liquid fuel.

A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipe deliveries from the same supplier's batch, and the quality of the diesel/oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

The permittee shall perform or require the supplier to perform the analyses of sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 18, or the appropriate ASTM methods (such as, ASTM methods D240 and D4294), or equivalent methods as approved by the Director.

#### **IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify the following exceedances:
  - a. The rolling, 12-month hours of operation limitation;
  - b. The rolling, 12-month NO<sub>x</sub> and SO<sub>2</sub> emissions;
  - c. For the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative hours of operation; and
  - d. The sulfur content restriction described in condition A.III.1.

These deviation (excursion) reports shall be submitted in accordance with the general terms and conditions of this permit.

#### **V. Testing Requirements**

1. Compliance with the emission limitations in the terms and conditions of this permit shall be determined in accordance with the following methods:

- a. **Emission Limitation:**  
0.30 lb PE/hr & 0.12 ton PE/yr

**Applicable Compliance Method:**

Compliance with the hourly emission limitation shall be determined by multiplying a company supplied emission factor of 0.0002 lb PE/hp-hr by the maximum horsepower of the generator (1490 horsepower). If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A.

The ton/yr emission limitation was established by multiplying the hourly emission limitation of 0.30 lb/hr by a maximum operating schedule of 800 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance with the hourly emission limitation and the maximum operating schedule of 800 hrs/yr is shown, compliance with the annual emission limitation will be assumed.

- b. **Emission Limitation:**  
14.90 lbs NO<sub>x</sub>/hr & 5.96 tons NO<sub>x</sub> per rolling 12-month period

**Applicable Compliance Method:**

Compliance with the hourly emission limitation shall be determined by multiplying a company supplied emission factor of 0.01 lb NO<sub>x</sub>/hp-hr by the maximum horsepower of the generator (1490 horsepower). If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 7 of 40 CFR Part 60, Appendix A.

Compliance with the tons of NO<sub>x</sub> per rolling 12-month period shall be demonstrated by the monitoring and record keeping requirements in section A.III.1.

- c. **Emission Limitation:**  
1.49 lbs CO/hr & 0.60 ton CO/yr

**Applicable Compliance Method:**

Compliance with the hourly emission limitation shall be determined by multiplying a company supplied emission factor of 0.001 lb CO/hp-hr by the maximum horsepower of the generator (1490 horsepower). 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 ton/yr emission limitation was established by multiplying the hourly emission limitation of 1.49 lbs/hr by a maximum operating schedule of 800 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance with the hourly emission limitation and the maximum operating schedule of 800 hrs/yr is shown, compliance with the annual emission limitation will be assumed.

- d. **Emission Limitation:**

6.79 lbs SO<sub>2</sub>/hr & 2.72 tons SO<sub>2</sub> per rolling 12-month period

**Applicable Compliance Method:**

Compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by the monitoring and record keeping requirements in section A.III.3. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4 and 6 of 40 CFR Part 60, Appendix A.

Compliance with the tons of SO<sub>2</sub> per rolling 12-month period shall be demonstrated by the monitoring and record keeping requirements in section A.III.1.

e. **Emission Limitation:**

Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown.

**Applicable Compliance Method:**

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

f. **Emission Limitation:**

The maximum annual hours of operation for emissions unit P001 shall not exceed 800 hours per year, based upon a rolling 12-month summation of the operating hours.

**Applicable Compliance Method:**

Compliance with the annual hours of operation restriction per rolling 12-month period shall be demonstrated by the monitoring and record keeping requirements in section A.III.1.

**VI. Miscellaneous Requirements**

None

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
1490 horsepower (21 mmBtu/hr) diesel fuel fired generator (generator 2).		None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None