☒ Synthetic Minor Determination and/or ☐ Netting Determination
Permit To Install 02-14981
East Fairfield Coal Company

A. Source Description

East Fairfield - Petersburg Limestone is an existing facility located in Mahoning County. They currently operate a limestone mine and process the stone in a crushing and screening plant.

B. Facility Emissions and Attainment Status

East Fairfield operates as a Title V facility. They are Title V for potential particulate and nitrogen oxide emissions. The facility is located in Mahoning County which is attainment for particulate, ozone and nitrogen oxides (NO_X).

C. Source Emissions

East Fairfield is proposing to install four potential emissions units, a log washer, a quaternary screen, and two diesel generators for electricity. The log washer is a revolving barrier type unit that breaks up larger stone that comes off of the secondary and tertiary screens. The quaternary screen is for additional screening of material coming from the log washer. The material handled by both of these operations is saturated by water sprays from previous crushers and screens. Therefore, the projected emissions from these are low, estimated at a maximum of 2.7 tons per year of particulate.

The diesel generators will operate on #2 diesel fuel. The major pollutant from a diesel is NO_X. The diesel manufacturer provided emissions factors for these generators. AP-42 also had emissions factors for diesel generators. This permit will use the highest of the two sources to establish limits for these generators.

East Fairfield currently has one diesel generator on site, also operating on diesel fuel. This unit has a limit of 99 tons per year of NO_X. This was written into a permit to install when the county was still non-attainment for ozone and NO_X. The 3 diesel generators will have a maximum potential of 488.3 TPX of NO_X. This would trigger the PSD rule. Therefore, East Fairfield has suggested limiting the facility diesel fuel use on an annual basis. This will limit NO_X emissions to 231.6 TPY and thus avoid the PSD limit of 250 TPY NO_X.

D. Conclusion

East Fairfield is agreeing to a limit of 920,192 gallons per year on a rolling, 12-month basis. The facility will be required to keep daily records on diesel fuel usage. This will assure that the facility remains below 250 tons per year of NO_X and therefore, below the Federal Prevention of Significant Deterioration review level.

Street Address:
Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329
Mailing Address:
Lazarus Gov. Center

State of Ohio Environmental Protection Agency

RE: DRAFT PERMIT TO INSTALL **CERTIFIED MAIL**
MAHONING COUNTY
Application No: 02-14981

DATE: 4/24/2001

East Fairfield Coal Co.
Gary Schaefer
PO Box 217 10900 South Ave
North Lima, OH 44452

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install may be issued in proposed of final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **$1200** will be due. Please do not submit any payment now.

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. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Very truly yours,

Thomas G. Rigo

Thomas G. Rigo
Field Operations and Permit Section

Division of Air Pollution Control

CC: USEPA NEDO WV PA Eastgate Dev & Trans Study Mahoning-Trumbull DAPC

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install **Issue Date: To be entered upon final issuance**
Terms and Conditions **Effective Date: To be entered upon final issuance**

DRAFT PERMIT TO INSTALL 02-14981

Application Number:	02-14981
APS Premise Number:	0250000959
Permit Fee:	**To be entered upon final issuance**
Name of Facility:	East Fairfield Coal Co.
Person to Contact:	Gary Schaefer
Address:	PO Box 217 10900 South Ave North Lima, OH 44452

Location of proposed air contaminant source(s) [emissions unit(s)]:
13699 St Rt 170
Petersburg, Ohio

Description of proposed emissions unit(s):
2 diesel generators; logwasher; screen; and modification of existing diesel generator.

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

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

1. Monitoring and Related Recordkeeping 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 recordkeeping 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 <u>emission limitations</u>, <u>operational restrictions</u>, <u>and control device operating parameter limitations</u>, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping 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 calendar quarters. See B.11 below if no deviations occurred during the quarter.

iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, 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.

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 thirty (30) 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.

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 Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or recordkeeping 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 recordkeeping 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

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

4. 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.

5. 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.

6. 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.

7. 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.

8. 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).

9. Construction Compliance Certification

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.

10. 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

Pollutant	Tons Per Year
Particulate Emissions	9.2
Sulfur Dioxide	22.7
Nitrogen Oxides	231.6
Carbon Monoxide	56.2
Organic Compounds	12.9

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements
	OAC rule 3745-17-07(A)(1)
B001 - No.2 diesel fuel powered generator- 1675 HP Modification	OAC rule 3745-31-05(A)(3)
	OAC rule 3745-17-11(B)(5)(a)
	OAC rule 3745-18-06(G)
	OAC rule 3745-35-07(D)

Applicable Emissions Limitations/Control Measures	
Particulate emissions (PE) shall not exceed 1.1 pound per hour and 2.3 tons/year.	The emission limitations specified by this rules are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
Sulfur dioxide (SO_2) emissions shall not exceed 3.9 pounds per hour and 8.1 tons/year.	The emission limitations specified by this rules are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
Nitrogen oxides (NOx) emissions shall not exceed 40.2 pounds per hour and 83.6 tons/year.	
Carbon monoxide (CO) emissions shall not exceed 10.7 pounds per hour and 22.2 tons/year.	
Organic compound (OC) emissions shall not exceed 3.4 pounds per hour and 7.1 tons/year.	
The requirements of this rule also include compliance with the requirements of OAC rules 3745-35-07(D) and 3745-17-07(A)(3)	
Annual NOx emissions for facility--See A.I.2.a.	
Except as specified by rule, visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average.	

2. Additional Terms and Conditions

2.a The total annual emissions of NO_x from all emissions units at this facility (B001, B002, and B003) shall be limited to 231.6 tons, as a rolling 12-month summation. This annual facility NO_x emission limitation shall be achieved by restricting the maximum quantity of diesel fuel burned.

II. Operational Restrictions

1. The permittee shall burn only number two (2) diesel fuel oil in this emissions unit.

2. The maximum quantity of diesel fuel which may be burned in each of these emissions units (B001, B002, and B003) shall not exceed 920,192 gallons per year based on a rolling 12-month summation of fuel usage.

3. To ensure enforceability during the first twelve (12) months of operation following startup of these emissions units (B001, B002, & B003), the permittee shall not exceed the diesel fuel usage limitations specified in the following table:

CALENDAR MONTH(S) FOLLOWING STARTUP	ALLOWABLE CUMULATIVE TOTAL GALLONS OF FUEL BURNED
1	230,048
1-2	230,048
1-3	230,048
1-4	306,731
1-5	383,413
1-6	460,096
1-7	536,779
1-8	613,461
1-9	690,144
1-10	766,827
1-11	843,509

1-12	920,192

After the first 12 calendar months of operation following startup of each of these emissions units (B001, B002, & B003), compliance with the annual diesel fuel usage limitation shall be based on a rolling, 12-month summation of the fuel usage.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information:

   a. The total volume (in gallons) of low sulfur No. 2 diesel fuel burned in each of these emissions units (B001, B002, & B003); and

   b. The total hours of operation of each emissions unit (B001, B002, & B003).

2. The permittee shall maintain monthly records of the following information:

   a. Beginning after the first 12 calendar months of operation following startup of this emissions unit, the rolling, 12-month summation of diesel fuel usage.

   Also, during the first 12 calendar months of operation following startup, the permittee shall record the cumulative diesel fuel usage for each calendar month.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12-month fuel usage limitation and, for the first 12 calendar months of operation following startup of this emissions unit, all exceedances of the maximum allowable cumulative diesel fuel usage . These reports are due by the date described in Part I - General Terms and Conditions of this permit under section (A)(1).

2. The permittee shall submit an annual report which summarizes the following information:

   a. the monthly and annual volume (in gallons) of diesel fuel burned in each emissions unit (B001, B002, & B003);

   b. the total monthly and annual hours of operation of each emissions unit (B001, B002, & B003); and

c. the total annual emissions of NOx, CO, PM, SO2, and total organic compounds from all emissions units (B001, B002, & B003) collectively for the previous calendar year.

This reports shall be submitted by January 31 of each year for operations during the previous calendar year.

V. Testing Requirements

1. Compliance with the emissions limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:

   a. Emissions Limitation:

   1.1 pound per hour and 2.3 tons per year of particulate emissions.

   Applicable Compliance Method:
   Compliance shall be based upon the use of an emission factor as specified in AP-42, Compilation of Air Pollution Emission Factors , section 3.4, table 3.4-1 (0.31 grams of PE per hp-hr) and the maximum rating of this emissions unit (1675 HP) multiplied by 1 lb/ 453.6 grams. Tons per year shall be calculated by multiplying pounds per hour by the hours of operation per year, and dividing by 2000.

   If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the hourly particulate emission limit of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 5, and in OAC 3745-17-03(B)(7).

   b. Emissions Limitation:

   3.9 pound per hour and 8.1 tons per year of sulfur dioxide emissions

   Applicable Compliance Method:
   Compliance shall be based upon the use of an emission factor as specified in AP-42, Compilation of Air Pollution Emission Factors , section 3.4, table 3.4-1 (1.06 grams

of SOx per hp-hr) and the maximum rating of this emissions unit (1675 HP) multiplied by 1 lb/ 453.6 grams. Tons per year shall be calculated by multiplying pounds per hour by the hours of operation per year, and dividing by 2000.

If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the hourly sulfur dioxide emission limit of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 6, and in OAC 3745-18-04(E)(1).

c. Emissions Limitation:

40.2 pound per hour and 83.6 tons per year of nitrogen oxide emissions

Applicable Compliance Method:
Compliance shall be based upon the use of an emission factor as specified in AP-42, Compilation of Air Pollution Emission Factors , section 3.4, table 3.4-1 (10.9 grams of NOx per hp-hr) and the maximum rating of this emissions unit (1675 HP) multiplied by lb/ 453.6 grams. Tons per year shall be calculated by multiplying pounds per hour by the hours of operation per year, and dividing by 2000.

If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the hourly NOx emission limit of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 7

or 7E.

d. Emissions Limitation:

10.7 pound per hour and 22.2 tons per year of carbon monoxide emissions

Applicable Compliance Method: Compliance shall be based upon the use of an emission factor supplied by the manufacturer (2.9 grams of CO per hp-hr) and the maximum rating of this emissions unit (1675 HP) multiplied by 1 lb/ 453.6 grams. Tons per year shall be calculated by multiplying pounds per hour by the hours of operation per year, and dividing by 2000.

If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the hourly CO emission limit of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 10.

e. Emissions Limitation:

3.4 pound per hour and 7.1 tons per year of organic compound emissions

Applicable Compliance Method:
Compliance shall be based upon the use of an emission factor supplied by the manufacturer (0.91 grams of OC per hp-hr) and the maximum rating of this emissions unit (1675 HP) multiplied by 1 lb/ 453.6 grams. Tons per year shall be calculated by multiplying pounds per hour by the hours of operation per year, and dividing by 2000.

If required pursuant to OAC 3745-15-04, the

Emissions Unit ID: B001

permittee shall demonstrate compliance with the hourly OC emission limit of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 25 or 25A.

f. Emission Limitation: limit for visible particulate emissions- twenty (20) percent opacity, as a six-minute average.

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC Rule 3745-17-03(B)(3) using the methods and procedures specified in U.S.EPA Reference Method 9.

VI. Miscellaneous Requirements

1. The following Terms and Conditions have been incorporated into this permit in order to establish federally enforceable limitations on potential to emit, pursuant to OAC Rule 3745- 35- 07: A.I., A.II., A.III., A.IV., and A.V .

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
B001 - No.2 diesel fuel powered generator Modified	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	
B002 - 1493 HP No.2 diesel fuel generator	OAC rule 3745-31-05(A)(3)	OAC rule 3745-17-07(A)
		OAC rule 3745-17-11(B)(5)(a)
		OAC rule 3745-18-06(G)
	OAC rule 3745-35-07(D)	

Applicable Emissions Limitations/Control Measures	
Particulate emissions (PE) shall not exceed 1.0 pound per hour and 2.1 tons/year.	shall not exceed twenty (20) percent opacity, as a six-minute average. The emission limitations specified by this rules are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
Sulfur dioxide (SO_2) emissions shall not exceed 3.5 pounds per hour and 7.3 tons/year.	The emission limitations specified by this rules are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
Nitrogen oxides (NOx) emissions shall not exceed 35.6 pounds per hour and 74.0 tons/year.	
Carbon monoxide (CO) emissions shall not exceed 8.2 pounds per hour and 17.0 tons/year.	
Organic compound (OC) emissions shall not exceed 1.4 pounds per hour and 2.9 tons/year.	
The requirements of this rule also include compliance with the requirements of OAC rules 3745-35-07(D) and 3745-17-07(A)(3)	
Annual NOx emissions for facility--See A.I.2.a.	
Except as specified by rule, visible particulate emissions from the exhaust stack serving this emissions unit	

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

1. The permittee shall burn only number two (2) diesel fuel oil in this emissions unit.

2. The maximum quantity of diesel fuel which may be burned in each of these emissions units (B001, B002, and B003) shall not exceed 920,192 gallons per year based on a rolling 12-month summation of fuel usage.

3. To ensure enforceability during the first twelve (12) months of operation following startup of these emissions units (B001, B002, & B003), the permittee shall not exceed the diesel fuel usage limitations specified in the following table:

CALENDAR MONTH(S) FOLLOWING STARTUP	ALLOWABLE CUMULATIVE TOTAL GALLONS OF FUEL BURNED
1	230,048
1-2	230,048
1-3	230,048
1-4	306,731
1-5	383,413
1-6	460,096
1-7	536,779
1-8	613,461
1-9	690,144
1-10	766,827
1-11	843,509
1-12	920,192

After the first 12 calendar months of operation following startup of each of these emissions units (B001, B002, & B003), compliance with the annual diesel fuel usage limitation shall be based on a rolling, 12-month summation of the fuel usage.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information:

a. The total volume (in gallons) of low sulfur No. 2 diesel fuel burned in each of these emissions units (B001, B002, & B003); and

b. The total hours of operation of each emissions unit (B001, B002, & B003).

2. The permittee shall maintain monthly records of the following information:

a. Beginning after the first 12 calendar months of operation following startup of this emissions unit, the rolling, 12-month summation of diesel fuel usage.

Also, during the first 12 calendar months of operation following startup, the permittee shall record the cumulative diesel fuel usage for each calendar month.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12-month fuel usage limitation and, for the first 12 calendar months of operation following startup of this emissions unit, all exceedances of the maximum allowable cumulative diesel fuel usage . These reports are due by the date described in Part I - General Terms and conditions of this permit under section (A)(1).

2. The permittee shall submit an annual report which summarizes the following information:

a. the monthly and annual volume (in gallons) of diesel fuel burned in each emissions unit (B001, B002, & B003);

b. the total monthly and annual hours of operation of each emissions unit (B001, B002, & B003); and

c. the total annual emissions of NOx, CO, PM, SO2, and total organic compounds from all emissions units (B001, B002, & B003) collectively for the previous calendar year.

This reports shall be submitted by January 31 of each year for operations during the previous calendar year.

V. Testing Requirements

1. Compliance with the emissions limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:

1.0 pound per hour and 2.1 tons per year of particulate emissions.

Applicable Compliance Method:
Compliance shall be based upon the use of an emission factor as specified in AP-42, Compilation of Air Pollution Emission Factors , section 3.4, table 3.4-1 (0.31 grams of PE per hp-hr) and the maximum rating of this emissions unit (1493 HP) multiplied by 1 lb/ 453.6 grams. Tons per year shall be calculated by multiplying pounds per hour by the hours of operation per year, and dividing by 2000.

If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the hourly particulate emission limit of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 5, and in OAC 3745-17-03(B)(7).

b. Emissions Limitation:

3.5 pound per hour and 7.3 tons per year of sulfur dioxide emissions

Applicable Compliance Method:
Compliance shall be based upon the use of an emission factor as specified in AP-42, Compilation of Air Pollution Emission Factors , section 3.4, table 3.4-1 (1.06 grams of SOx per hp-hr) and the maximum rating of this emissions unit (1493 HP) multiplied by 1 lb/ 453.6 grams. Tons per year shall be calculated by multiplying pounds per hour by the hours of operation per year, and dividing by 2000.

If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the hourly sulfur dioxide emission limit of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 6, and in OAC 3745-18-04(E)(1).

c. Emissions Limitation:

35.6 pound per hour and 74.0 tons per year of nitrogen oxide emissions

Applicable Compliance Method:
Compliance shall be based upon the use of an emission factor as specified in AP-42, Compilation of Air Pollution Emission Factors , section 3.4, table 3.4-1 (10.9 grams of NOx per hp-hr) and the maximum rating of this emissions unit (1493 HP) multiplied by lb/ 453.6 grams. Tons per year shall be calculated by multiplying pounds per hour by the hours of operation per year, and dividing by 2000.

If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the hourly NOx emission limit of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 7 or 7E.

d. Emissions Limitation:

8.2 pound per hour and 17.0 tons per year of carbon monoxide emissions

Applicable Compliance Method:
Compliance shall be based upon the use of an emission factor as specified in AP-42, Compilation of Air Pollution Emission Factors , section 3.4, table 3.4-1 (2.5 grams

of CO per hp-hr) and the maximum rating of this emissions unit (1493 HP) multiplied by 1lb/ 453.6 grams. Tons per year shall be calculated by multiplying pounds per hour by the hours of operation per year, and dividing by 2000.

If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the hourly CO emission limit of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 10.

e. Emissions Limitation:

1.4 pound per hour and 2.9 tons per year of organic compound emissions

Applicable Compliance Method:
Compliance shall be based upon the use of an emission factor supplied by the manufacturer (0.41 grams of OC per hp-hr) and the maximum rating of this emissions unit (1493 HP) multiplied by 1 lb/ 453.6 grams. Tons per year shall be calculated by multiplying pounds per hour by the hours of operation per year, and dividing by 2000.

If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the hourly OC emission limit of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 25 or 25A.

f. Emission Limitation: limit for visible particulate emissions- twenty (20) percent opacity, as a six-minute average.

Applicable Compliance Method:
Compliance shall be determined by visible emission evaluations performed in accordance with OAC Rule 3745-17-03(B)(3) using the methods and procedures specified in U.S. EPA Reference Method 9.

VI. Miscellaneous Requirements

1. The following Terms and Conditions have been incorporated into this permit in order to establish federally enforceable limitations on potential to emit, pursuant to OAC Rule 3745-35- 07: A.I., A.II., A.III., A.IV., and A.V .

Emissions Unit ID: B002

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
B002 - 1493 HP No.2 diesel fuel generator	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	
B003 - 1493 HP No.2 diesel fuel generator	OAC rule 3745-31-05(A)(3)	OAC rule 3745-18-06(G)
	OAC rule 3745-35-07(D)	
	OAC rule 3745-17-07(A)(1)	
	OAC rule 3745-17-11(B)(5)(a)	

Applicable Emissions Limitations/Control Measures	
Particulate emissions (PE) shall not exceed 1.0 pound per hour and 2.1 tons/year.	less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
Sulfur dioxide (SO_2) emissions shall not exceed 3.5 pounds per hour and 7.3 tons/year.	The emission limitations specified by this rules are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
Nitrogen oxides (NOx) emissions shall not exceed 35.6 pounds per hour and 74.0 tons/year.	
Carbon monoxide (CO) emissions shall not exceed 8.2 pounds per hour and 17.0 tons/year.	
Organic compound (OC) emissions shall not exceed 1.4 pounds per hour and 2.9 tons/year.	
Annual NOx emissions for facility--See A.I.2.a.	
Except as specified by rule, visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average.	
The emission limitations specified by this rules are	

2. Additional Terms and Conditions

2.a The total annual emissions of NO_x from all emissions units at this facility (B001, B002, and B003) shall be limited to 231.6 tons, as a rolling 12-month summation. This annual facility NO_x emission limitation shall be achieved by restricting the maximum quantity of diesel fuel burned.

II. Operational Restrictions

1. The permittee shall burn only number two (2) diesel fuel oil in this emissions unit.

2. The maximum quantity of diesel fuel which may be burned in each of these emissions units (B001, B002, and B003) shall not exceed 920,192 gallons per year based on a rolling 12-month summation of fuel usage.

3. To ensure enforceability during the first twelve (12) months of operation following startup of these emissions units (B001, B002, & B003), the permittee shall not exceed the diesel fuel usage limitations specified in the following table:

CALENDAR MONTH(S) FOLLOWING STARTUP	ALLOWABLE CUMULATIVE TOTAL GALLONS OF FUEL BURNED
1	230,048
1-2	230,048
1-3	230,048
1-4	306,731
1-5	383,413
1-6	460,096
1-7	536,779
1-8	613,461
1-9	690,144
1-10	766,827
1-11	843,509

1-12	920,192

After the first 12 calendar months of operation following startup of each of these emissions units (B001, B002, & B003), compliance with the annual diesel fuel usage limitation shall be based on a rolling, 12-month summation of the fuel usage.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information:

   a. The total volume (in gallons) of low sulfur No. 2 diesel fuel burned in each of these emissions units (B001, B002, & B003); and

   b. The total hours of operation of each emissions unit (B001, B002, & B003).

2. The permittee shall maintain monthly records of the following information:

   a. Beginning after the first 12 calendar months of operation following startup of this emissions unit, the rolling, 12-month summation of diesel fuel usage.

   Also, during the first 12 calendar months of operation following startup, the permittee shall record the cumulative diesel fuel usage for each calendar month.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12-month fuel usage limitation and, for the first 12 calendar months of operation following startup of this emissions unit, all exceedances of the maximum allowable cumulative diesel fuel usage . These reports are due by the date described in Part I - General Terms and Conditions of this permit under section (A)(1).

2. The permittee shall submit an annual report which summarizes the following information:

   a. the monthly and annual volume (in gallons) of diesel fuel burned in each emissions unit (B001, B002, & B003);

   b. the total monthly and annual hours of operation of each emissions unit (B001, B002, & B003); and

c. the total annual emissions of NOx, CO, PM, SO2, and total organic compounds from all emissions units (B001, B002, & B003) collectively for the previous calendar year.

This reports shall be submitted by January 31 of each year for operations during the previous calendar year.

V. Testing Requirements

1. Compliance with the emissions limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:

1.0 pound per hour and 2.1 tons per year of particulate emissions.

Applicable Compliance Method:
Compliance shall be based upon the use of an emission factor as specified in AP-42, Compilation of Air Pollution Emission Factors , section 3.4, table 3.4-1 (0.31 grams of PE per hp-hr) and the maximum rating of this emissions unit (1493 HP) multiplied by 1 lb/ 453.6 grams. Tons per year shall be calculated by multiplying pounds per hour by the hours of operation per year, and dividing by 2000.

If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the hourly particulate emission limit of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 5, and in OAC 3745-17-03(B)(7).

b. Emissions Limitation:

3.5 pound per hour and 7.3 tons per year of sulfur dioxide emissions

Applicable Compliance Method:
Compliance shall be based upon the use of an emission factor as specified in AP-42, Compilation of Air Pollution Emission

Factors , section 3.4, table 3.4-1 (1.06 grams of SOx per hp-hr) and the maximum rating of this emissions unit (1493 HP) multiplied by 1 lb/ 453.6 grams. Tons per year shall be calculated by multiplying pounds per hour by the hours of operation per year, and dividing by 2000.

If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the hourly sulfur dioxide emission limit of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 6, and in OAC 3745-18-04(E)(1).

c. Emissions Limitation:

35.6 pound per hour and 74.0 tons per year of nitrogen oxide emissions

Applicable Compliance Method:
Compliance shall be based upon the use of an emission factor as specified in AP-42, Compilation of Air Pollution Emission Factors , section 3.4, table 3.4-1 (10.9 grams of NOx per hp-hr) and the maximum rating of this emissions unit (1493 HP) multiplied by lb/ 453.6 grams. Tons per year shall be calculated by multiplying pounds per hour by the hours of operation per year, and dividing by 2000.

If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the hourly NOx emission limit of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New

Emissions Unit ID: B003

Stationary Sources", Appendix A, Method 7 or 7E.

d. Emissions Limitation:

8.2 pound per hour and 17.0 tons per year of carbon monoxide emissions

Applicable Compliance Method:

Compliance shall be based upon the use of an emission factor as specified in AP-42, Compilation of Air Pollution Emission Factors, section 3.4, table 3.4-1 (2.5 grams of CO per hp-hr) and the maximum rating of this emissio

ns unit (1493 HP) multiplied by 1 lb/ 453.6 grams. Tons per year shall be calculated by multiplying pounds per hour by the hours of operation per year, and dividing by 2000.

If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the hourly CO emission limit of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 10.

e. Emissions Limitation:

1.4 pound per hour and 2.9 tons per year of organic compound emissions
Applicable Compliance Method:
Compliance shall be based upon the use of an emission factor supplied by the manufacturer (0.41 grams of OC per hp-hr) and the maximum rating of this emissions unit (1493 HP) multiplied by 1 lb/ 453.6 grams. Tons per year shall be calculated by multiplying pounds per hour by the hours of operation per year, and dividing by 2000.

If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the hourly OC emission limit of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 25 or 25A.

f. Emission Limitation: limit for visible particulate emissions- twenty (20) percent opacity, as a six-minute average.

Applicable Compliance Method:
Compliance shall be determined by visible emission evaluations performed in accordance with OAC Rule 3745-17-03(B)(3) using the methods and procedures specified in U.S. EPA Reference Method 9.

VI. Miscellaneous Requirements

1. The following Terms and Conditions have been incorporated into this permit in order to establish federally enforceable limitations on potential to emit, pursuant to OAC Rule 3745-35- 07: A.I., A.II., A.III., A.IV., and A.V .

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
B003 - 1493 HP No.2 diesel fuel generator	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F008 - logwasher	OAC rule 3745-31-05(A)(3)	1.1 TPY particulate emission(PE) See A.II.1. The requirements established pursuant to this rule are equivalent to the requirements of 40 CFR Part 60, Subpart OOO
	40 CFR Part 60, Subpart OOO	Visible emissions shall not exceed 15 percent opacity at the logwasher.
	OAC rule 3745-17-08	This rule does not apply per OAC rule 3745-17-08 (A)(1).
	OAC rule 3745-17-07(A)(1)	The emission limitations specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart OOO.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

1. The permittee shall control fugitive dust emissions by using water sprays or by processing only

wet material at the logwasher.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information:

   a. the limestone production rate for each month; and

   b. the rolling, 12- month summation of the limestone production rates.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive dust emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. whether the emissions are representative of normal operations;

   b. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

   c. the total duration of any visible emission incident; and

   d. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible fugitive dust emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (Ohio EPA Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in this permits terms and conditions shall be determined in accordance with the following method(s):

   a. Emission Limitation:

   Opacity limit for visible particulate emissions

   Applicable Compliance Method:
   Compliance shall be determined by visible emission evaluations performed in accordance with OAC Rule 3745-17-03(B)(3) using the methods and procedures specified in U.S. EPA Reference Method 9.

b. Emissions Limitation:

1.1 tons per year particulate emissions.

Applicable Compliance Method:
Compliance shall be based upon the use of the emission factors as specified in AP-42, Compilation of Air Pollution Emission Factors (1/95), section 11.19, table 11.19.2-2 and the limestone production rate.

Logwasher(PE) = PR x 0.0012 lb PE/ ton of stone

where PR = the annual limestone production rate.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F008 - logwasher	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F009 - Quaternary screen	OAC rule 3745-31-05(A)(3)	1.6 TPY particulate emission(PE) See A.II.1. The requirements established pursuant to this rule are equivalent to the requirements of 40 CFR Part 60, Subpart OOO
	40 CFR Part 60, Subpart OOO	Visible emissions shall not exceed 10 percent opacity at the quaternary screen.
	OAC rule 3745-17-08	This rule does not apply per OAC rule 3745-17-08 (A)(1).
	OAC rule 3745-17-07(A)(1)	The emission limitations specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart OOO.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

1. The permittee shall control fugitive dust emissions by using water sprays or by processing only wet material at the quaternary screen.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information:

a. the limestone production rate for each month; and

b. the rolling, 12- month summation of the limestone production rates.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive dust emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. whether the emissions are representative of normal operations;

b. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

c. the total duration of any visible emission incident; and

d. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible fugitive dust emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (Ohio EPA Northeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in this permits terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation:

Opacity limit for visible particulate emissions

Applicable Compliance Method:
Compliance shall be determined by visible emission evaluations performed in accordance with OAC Rule 3745-17-03(B)(3) using the methods and procedures specified in U.S. EPA Reference Method 9.

b. Emissions Limitation:
1.6 tons per year particulate emissions.

Applicable Compliance Method:
Compliance shall be based upon the use of the emission factors as specified in AP-42, Compilation of Air Pollution Emission Factors (1/95), section 11.19, table 11.19.2-2 and the limestone production rate.

Quaternary screen(PE) = PR x 0.0017 lb PE/ ton of stone

where PR = the annual limestone production rate.

VI. Miscellaneous Requirements

None

Emissions Unit ID: F009

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F009 - Quaternary screen	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

NEW SOURCE REVIEW FORM B

PTI Number: 02-14981 Facility ID: 0250000959

FACILITY NAME East Fairfield Coal Co.

FACILITY DESCRIPTION 2 diesel generators;logwasher;screen;and modification of existing diesel generator. CITY/TWP Petersburg

SIC CODE 1422 SCC CODE 20100101 EMISSIONS UNIT ID B001

EMISSIONS UNIT DESCRIPTION No.2 diesel fuel powered generator Modified

DATE INSTALLED 6/97

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	1.1 lb/hr	1.5	1.1 lb/hr	2.3
PM_{10}					
Sulfur Dioxide	attainment	3.9 lb/hr	5.2	3.9 lb/hr	8.1
Organic Compounds	attainment	3.4 lb/hr	4.5	3.4 lb/hr	7.1
Nitrogen Oxides	attainment	40.2 lb/hr	53.1	40.2 lb/hr	83.6
Carbon Monoxide	attainment	10.7 lb/hr	14.1	10.7 lb/hr	22.2
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination use of #2diesel fuel and compliance with 3745-31-05

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES _____ NO

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SOURCE REVIEW FORM B

PTI Number: 02-14981 Facility ID: 0250000959

FACILITY NAME East Fairfield Coal Co.

FACILITY DESCRIPTION 2 diesel generators;logwasher;screen;and CITY/TWP Petersburg

Emissions Unit ID: F009

SIC CODE 1422 SCC CODE 20100101 EMISSIONS UNIT ID B002

EMISSIONS UNIT DESCRIPTION 1493 HP No.2 diesel fuel generator

DATE INSTALLED 5/01

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	1.0 lb/hr	1.3	1.0 lb/hr	2.1
PM_{10}					
Sulfur Dioxide	attainment	3.5 lb/hr	4.6	3.5 lb/hr	7.3
Organic Compounds	attainment	1.4 lb/hr	1.9	1.4 lb/hr	2.9
Nitrogen Oxides	attainment	35.6 lb/hr	47.0	35.6 lb/hr	74.0
Carbon Monoxide	attainment	8.2 lb/hr	10.8	8.2 lb/hr	17.0
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination use of #2diesel fuel and compliance with 3745-31-05

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES _____ NO

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SOURCE REVIEW FORM B

PTI Number: 02-14981 Facility ID: 0250000959

FACILITY NAME East Fairfield Coal Co.

FACILITY DESCRIPTION 2 diesel generators;logwasher;screen;and CITY/TWP Petersburg

Emissions Unit ID: F009

SIC CODE 1422 SCC CODE 20100101 EMISSIONS UNIT ID B003

EMISSIONS UNIT DESCRIPTION 1493 HP No.2 diesel fuel generator

DATE INSTALLED 5/01

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	1.0 lb/hr	1.3	1.0 lb/hr	2.1
PM_{10}					
Sulfur Dioxide	attainment	3.5 lb/hr	4.6	3.5 lb/hr	7.3
Organic Compounds	attainment	1.4 lb/hr	1.9	1.4 lb/hr	2.9
Nitrogen Oxides	attainment	35.6 lb/hr	47.0	35.6 lb/hr	74.0
Carbon Monoxide	attainment	8.2 lb/hr	10.8	8.2 lb/hr	17.0
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination use of #2diesel fuel and compliance with 3745-31-05

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES _____ NO

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SOURCE REVIEW FORM B

PTI Number: 02-14981 Facility ID: 0250000959

FACILITY NAME East Fairfield Coal Co.

FACILITY DESCRIPTION 2 diesel generators;logwasher;screen;and CITY/TWP Petersburg

Emissions Unit ID: F009

SIC CODE 1422 SCC CODE 30502006 EMISSIONS UNIT ID F008

EMISSIONS UNIT DESCRIPTION logwasher

DATE INSTALLED 5/01

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment		0.5		1.1
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? subpart OOO PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination use of wet suppression, compliance with 40 CFR Part 60, Subpart OOO

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES _____ NO

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SOURCE REVIEW FORM B

PTI Number: 02-14981 Facility ID: 0250000959

FACILITY NAME East Fairfield Coal Co.

FACILITY DESCRIPTION 2 diesel generators;logwasher;screen;and CITY/TWP Petersburg

Emissions Unit ID: F009

SIC CODE 1422 SCC CODE 30502006 EMISSIONS UNIT ID F009

EMISSIONS UNIT DESCRIPTION Quaternary screen

DATE INSTALLED 5/01

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment		0.8		1.6
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? subpart OOO PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination use of wet suppression, compliance with 40 CFR Part 60, Subpart OOO

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES _____ NO

IDENTIFY THE AIR CONTAMINANTS: _____