



State of Ohio Environmental Protection Agency

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

CERTIFIED MAIL

Street Address:

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

Mailing Address:

Lazarus Gov. Center

Application No: 02-13725

DATE: 3/15/00

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

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,

Thomas G. Rigo
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

NEDO



Permit To Install

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

FINAL PERMIT TO INSTALL 02-13725

Application Number: 02-13725
APS Premise Number: 0250000959
Permit Fee: **\$2800**
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):

Modification to increase limestone production Chapter 31 Modification replacing PTI No. 02-12584 issued 6/30/99.

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 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 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 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.

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 are inadequate 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 prove to be inadequate 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. 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.

10. 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.

11. 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**

| <u>Pollutant</u> | <u>Tons Per Year</u> |
|------------------|----------------------|
| Particulate | 225 TPY |

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East Fairfield Coal Co.

PTI Application: **02-13725**

Issued: 3/15/00

Facility ID: **0250000959**

12

East F:

PTI A₁

Issued: 3/15/00

Emissions Unit ID: F002

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> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|--------------------------------------|---|
| F002 - Aggregate storage piles modification | | |
| Limestone piles | | |
| load-in and load-out of storage piles (see Section B.2.a for identification of storage piles) | OAC rule 3745-17-08 | This rule shall not apply per OAC rule 3745-17-08 (A)(1). |
| wind erosion from storage piles (see Section B.2.a for identification of storage piles) | OAC rule 3745-17-08 | This rule shall not apply per OAC rule 3745-17-08 (A)(1). |

2. Additional Terms and Conditions

- 2.a None.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

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East F:

PTI A₁

Issued: 3/15/00

Emissions Unit ID: F002

None.

15

East F:

PTI A₁

Issued: 3/15/00

Emissions Unit ID: F002

IV. Reporting Requirements

None.

V. Testing Requirements

None.

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> |
|---|--------------------------------------|--|
| F002 - Aggregate storage piles modification | OAC rule 3745-31-05 | no visible emissions except for 13 minutes in any hour |
| Limestone piles | OAC rule 3745-31-05 | best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections B.2.b, B.2.c and B.2.f) |
| load-in and load-out of storage piles (see Section B.2.a for identification of storage piles) | OAC rule 3745-31-05 | no visible emissions except for 13 minutes in any hour |
| wind erosion from storage piles (see Section B.2.a for identification of storage piles) | OAC rule 3745-31-05 | no visible emissions except for one minute in any hour best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections B.2.d through B.2.f) |
| | OAC rule 3745-31-05 | 31.2 tpy particulate emissions see B.I.2.g |

2. Additional Terms and Conditions

- 2.a The storage piles that are covered by this permit and subject to the requirements of OAC

rule 3745-31-05 are listed below:

all aggregate storage piles

- 2.b** The permittee shall employ best available control measures on all load- in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to ensure sufficient moisture content to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.c The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.

2.d The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to ensure sufficient moisture content to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.e** The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to

frequency

all aggregate storage piles

weekly

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. The permittee may, upon receipt of written approval from the Ohio EPA Northeast District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

IV. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the emission limitation for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources," as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.
2. Compliance with the emission limitation(s) in this permits terms and conditions shall be determined in accordance with the following method(s):

Emissions Limitation:
31.2 ton per year Particulate Emissions(PE).

21

East F:

PTI A₁

Issued: 3/15/00

Emissions Unit ID: F002

Applicable Compliance Method:

Compilation Compliance shall be based upon the use of an emission factors as specified in AP-42,
of Air Pollution Emission Factors , section 13.2.4.

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.

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|--------------------------------------|---|
| F003 - Primary crusher and screening modification | 40 CFR Part 60, Subpart OOO | Visible emissions shall not exceed 15 percent opacity at the crusher. Visible emissions shall not exceed 10 percent opacity at any transfer point on the belt conveyors. |
| | OAC rule 3745-31-05 | Visible emissions shall not exceed 20 percent opacity as a three- minute average, at the screening operations. |
| | OAC rule 3745-31-05 | See A.II.1 |
| | OAC rule 3745-31-05 | 15.3 TPY particulate emissions(PE) |
| | OAC rule 3745-17-08 | This rule shall not apply per OAC rule 3745-17-08 (A)(1). |

2. Additional Terms and Conditions

2.a none

II. Operational Restrictions

- 1. The limestone crushing and screening operations shall control fugitive dust by using water sprays at all reasonable times, and by minimizing free fall distance of material.
- 2. The maximum annual production rate for this emissions unit shall not exceed 1,900,000 tons per year of limestone, based upon a rolling, 12-month summation of the production rates.

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.

IV. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month production rate limitation.
- 2. The permittee shall submit annual reports which specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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 matter 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(PE).

Emissions Limitation:
15.3 ton per year Particulate

Applicable Compliance Method:
Compliance shall be based upon the use of an emission factors as specified in AP-42, Compilation of Air Pollution Emission Factors (10/96), section 11.19, table 11.19.2-2 and the limestone production rate.

lb.PE/ ton of stone x CE/2000

$$\text{Primary crusher(PE)} = \text{PR} \times 0.0007$$

and

0.0315 lb.PE/ ton of stone x CE/2000,

$$\text{Primary screening(PE)} = \text{PR} \times$$

where

PR = the annual limestone production rate, and

CE = control efficiency, assumed

50% or CE = 0.5 for wet suppression.

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> |
|---|--------------------------------------|--|
| F003 - Primary crusher and screening modification | OAC rule 3745-31-05 | LIMIT(s) |

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.

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|--|--------------------------------------|---|
| F004 - Secondary crushing and screening modification | 40 CFR Part 60, Subpart OOO | Visible emissions shall not exceed 15 percent opacity at the crusher. Visible emissions shall not exceed 10 percent opacity at any transfer point on the belt conveyors. |
| | OAC rule 3745-31-05 | Visible emissions shall not exceed 20 percent opacity as a three- minute average, at the screening operations. |
| | OAC rule 3745-31-05 | See A.II.1 |
| | OAC rule 3745-31-05 | 42.9 TPY particulate emissions(PE) |
| | OAC rule 3745-17-08 | This rule shall not apply per OAC rule 3745-17-08 (A)(1). |

2. Additional Terms and Conditions

- 2.a None.

II. Operational Restrictions

1. The limestone crushing and screening operations shall control fugitive dust by using water sprays at all reasonable times, and by minimizing free fall distance of material.
2. The maximum annual production rate for this emissions unit shall not exceed 1,900,000 tons per year of limestone , based upon a rolling, 12- month summation of the production rates.

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.

IV. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month production rate limitation.
- 2. The permittee shall submit annual reports which specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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 matter 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:
42.9 ton per year Particulate Emissions(PE).

Applicable Compliance Method:
Compliance shall be based upon the use of an emission factors as specified in AP-42,

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Emissions Unit ID: F004

Compilation of Air Pollution Emission
Factors (10/96), section 11.19, table 11.19.2-
2 and the limestone production rate.

Secondary crusher(PE) = PR x 0.0315 lb.PE/ ton of stone x CE/2000

and

Secondary screening(PE) = PR x 0.149 lb.PE/ ton of stone x CE/2000,

where

PR = the annual limestone production rate, and

CE = control efficiency, assumed 75% or CE = 0.25 for wet suppression.

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> |
|--|--------------------------------------|--|
| F004 - Secondary crushing and screening modification | OAC rule 3745-31-05 | LIMIT(s) |

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.

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|--------------------------------------|---|
| F005 - Limestone mining operations modification | OAC rule 3745-31-05 | Visible emissions shall not exceed 20 percent opacity as a three- minute average, for material removal operations, and material loading operations. |
| | OAC rule 3745-31-05 | See A.II.1 |
| | OAC rule 3745-31-05 | 132.7 TPY particulate emissions(PE) |
| | OAC rule 3745-17-08 | This rule shall not apply per OAC rule 3745-17-08 (A)(1). |

2. Additional Terms and Conditions

2.a None.

II. Operational Restrictions

1. The limestone mining operations shall control fugitive dust by using precautionary operation practices, by minimization of disturbed land surface, and by use of water sprays at all reasonable times.
2. The maximum annual production rate for this emissions unit shall not exceed 1,100,000 tons per year of limestone , based upon a rolling, 12- month summation of the production rates.

III. Monitoring and/or Recordkeeping Requirements

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

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- a. the limestone production rate for each month; and
- b. the rolling, 12- month summation of the limestone production rates.

IV. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month production rate limitation.
- 2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month production rate limitation.

V. Testing Requirements

- 1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month production rate limitation.

- a. Emission Limitation:

Opacity limit for visible particulate matter 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:

132.7 ton per year Particulate Emissions(PE).

Applicable Compliance Method:
Compliance shall be based upon the use of an emission factors as specified in AIRS, the limestone production rate, and operating hours. Total PE is the sum of the following equations.

$$\text{Topsoil removal(PE)} = \text{PR} \times 0.05 \text{ lb.PE/ ton}$$

of topsoil x CE x TS/2000,

Blasting(PE) = PR x 0.16 lb.PE/ ton of stone
x CE/2000,

Loading(PE) = PR x 0.1 lb. PE/ton of stone
X CE/2000, and

Overburden removal(PE) = 3.94 lb.PE/hr.of
operation x HPY xCE/2000

where

PR = the annual limestone production rate,
CE = control efficiency, assumed 50% or CE
= 0.5 for wet suppression,

TS =0.125 lb topsoil removed per lb of
limestone produced, and

HPY = 4600 hours per year (this is a
maximum assumption, using maximum plant
operating hours, where mine operations last
only 4 hours per day).

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> |
|---|--------------------------------------|--|
| F005 - Limestone mining operations modification | OAC rule 3745-31-05 | LIMIT(s) |

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.

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|--------------------------------------|---|
| F006 - Tertiary crushing and screening modification | 40 CFR Part 60, Subpart OOO | Visible emissions shall not exceed 15 percent opacity at the crusher. Visible emissions shall not exceed 10 percent opacity at any transfer point on the belt conveyors. |
| | OAC rule 3745-31-05 | Visible emissions shall not exceed 20 percent opacity as a three- minute average, at the screening operations. |
| | OAC rule 3745-31-05 | See A.II.1 |
| | OAC rule 3745-31-05 | 2.9 TPY particulate emissions(PE) |
| | OAC rule 3745-17-08 | This rule shall not apply per OAC rule 3745-17-08 (A)(1). |

2. Additional Terms and Conditions

- 2.a None.

II. Operational Restrictions

1. The limestone crushing and screening operations shall control fugitive dust by using water sprays at all reasonable times, and by minimizing free fall distance of material.

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Emissions Unit ID: F006

2. The maximum annual production rate for this emissions unit shall not exceed 1,900,000 tons per year of limestone , based upon a rolling, 12- month summation of the production rates.

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.

IV. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month production rate limitation.
- 2. The permittee shall submit annual reports which specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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 matter 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:
2.9 ton per year Particulate Emissions(PE).

Emissions Unit ID: F006

Applicable Compliance Method:

Compliance shall be based upon the use of an emission factors as specified in AP-42, Compilation of Air Pollution Emission Factors (10/96), section 11.19, table 11.19.2-2 and the limestone production rate.

$$\text{Teruary crusher(PE)} = \text{PR} \times 0.00059$$

and

$$\text{Secondary screening(PE)} = \text{PR} \times$$

lb.PE/ ton of stone /2000

0.00081 lb.PE/ ton of stone /2000,

rate, and

emissions using wet suppression.

where

PR = the annual limestone production

Emission factors are for controlled

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> |
|---|--------------------------------------|--|
| F006 - Tertiary crushing and screening modification | OAC rule 3745-31-05 | LIMIT(s) |

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: 02-13725 Facility ID: 0250000959

FACILITY NAME East Fairfield Coal Co.

FACILITY DESCRIPTION Modification to increase limestone production Chapter 31 Modification replacing PTI No. 02-12584 issued 6/30/99. CITY/TWP Petersburg

SIC CODE 1422 SCC CODE 30502999 EMISSIONS UNIT ID F002

EMISSIONS UNIT DESCRIPTION Aggregate storage piles modification

DATE INSTALLED 1996

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 | | | | 31.2 |
| PM ₁₀ | | | | | |
| Sulfur Dioxide | | | | | |
| Organic Compounds | | | | | |
| Nitrogen Oxides | | | | | |
| Carbon Monoxide | | | | | |
| 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?

Moisture control

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 containinants 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: 02-13725 Facility ID: 0250000959

FACILITY NAME East Fairfield Coal Co.

FACILITY DESCRIPTION Modification to increase limestone CITY/TWP Petersburg

Emissions Unit ID: F006

SIC CODE 1422 SCC CODE 30502001 EMISSIONS UNIT ID F003

EMISSIONS UNIT DESCRIPTION Primary crusher and screening modification

DATE INSTALLED 1996

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 | | | | 15.3 |
| PM ₁₀ | | | | | |
| Sulfur Dioxide | | | | | |
| Organic Compounds | | | | | |
| Nitrogen Oxides | | | | | |
| Carbon Monoxide | | | | | |
| Lead | | | | | |
| Other: Air Toxics | | | | | |

APPLICABLE FEDERAL RULES:

NSPS? subpart OOO

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE 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: 02-13725

Facility ID: 0250000959

FACILITY NAME East Fairfield Coal Co.

FACILITY DESCRIPTION Modification to increase limestone

CITY/TWP Petersburg

Emissions Unit ID: F006

SIC CODE 1422

SCC CODE 30502002

EMISSIONS UNIT ID F004

EMISSIONS UNIT DESCRIPTION Secondary crushing and screening modification

DATE INSTALLED 1996

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 | | | | 42.9 |
| PM ₁₀ | | | | | |
| Sulfur Dioxide | | | | | |
| Organic Compounds | | | | | |
| Nitrogen Oxides | | | | | |
| Carbon Monoxide | | | | | |
| Lead | | | | | |
| Other: Air Toxics | | | | | |

APPLICABLE FEDERAL RULES:

NSPS?subpart 000

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Use of wet suppression, compliance with 40 CFR Part 60,Subpart 000

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: 02-13725 Facility ID: 0250000959

FACILITY NAME East Fairfield Coal Co.

FACILITY DESCRIPTION Modification to increase limestone CITY/TWP Petersburg

Emissions Unit ID: F006

SIC CODE 1422 SCC CODE 30502009,10 EMISSIONS UNIT ID F005

EMISSIONS UNIT DESCRIPTION Limestone minng operations modification

DATE INSTALLED 1996

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 | | | | 132.7 |
| PM ₁₀ | | | | | |
| Sulfur Dioxide | | | | | |
| Organic Compounds | | | | | |
| Nitrogen Oxides | | | | | |
| Carbon Monoxide | | | | | |
| Lead | | | | | |
| Other: Air Toxics | | | | | |

APPLICABLE FEDERAL RULES:

NPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Precautionary operating practices, minimization of disturbed land surface

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 containinants 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: 02-13725 Facility ID: 0250000959

FACILITY NAME East Fairfield Coal Co.

FACILITY DESCRIPTION Modification to increase limestone CITY/TWP Petersburg

Emissions Unit ID: F006

SIC CODE 1422 SCC CODE 30502003 EMISSIONS UNIT ID F006

EMISSIONS UNIT DESCRIPTION Tertiary crushing and screening modification

DATE INSTALLED 1998

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 | | | | 2.9 |
| PM ₁₀ | | | | | |
| Sulfur Dioxide | | | | | |
| Organic Compounds | | | | | |
| Nitrogen Oxides | | | | | |
| Carbon Monoxide | | | | | |
| Lead | | | | | |
| Other: Air Toxics | | | | | |

APPLICABLE FEDERAL RULES:

NSPS? **subpart OOO** NESHA PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE 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: _____

44 **NEW SOURCE REVIEW FORM B**

PTI Number: 02-13725

Facility ID: 0250000959

FACILITY NAME East Fairfield Coal Co.

FACILITY DESCRIPTION Modification to increase limestone

CITY/TWP Petersburg

Emissions Unit ID: F006

Please describe any hard copy information is being submitted with this recommendation (Please send hard copy information to Pam McGraner, DAPC Central Office - Air Quality Modeling and Planning):

calculations

Please provide any additional permit specific notes as you deem necessary:

NONE

Permit To Install Synthetic Minor Write-Up

EAST FAIRFIELD COAL COMPANY

PTI NO. 02-13725

New Source Review - Modification

A. Source Description

East Fairfield Coal Company is an existing facility that started operation in 1996 following a Permit to Install (PTI) (No. 02-13725) issued in May 1996. They added additional equipment under subsequent PTI's (No. 02-10880 and No. 02-12584). At this facility, East Fairfield operates a limestone mining operation and a limestone crushing and screening plant.

B. Facility Emissions

East Fairfield has operated as a synthetic minor facility under their original PTIs, limiting particulate emissions to under 100 tons per year of particulate to avoid Title V permitting. Increased mining activity required East Fairfield to obtain a PTI modification (No. 02-12738), increasing production rate to 1.1 million tons per year, increasing potential particulate to over 100 tons per year, and becoming a Title V facility. A Title V application was filed.

C. New Proposed Emissions

East Fairfield is once again applying for a modification to increase production and thus, increase potential emissions. They have found limestone deposits underground and will start mining underground, possibly in the coming season.

They are proposing a new production rate of 1.9 million tons per year which is close to the limit for their equipment during the available processing season. The increased production will raise potential emissions to 225 tons per year from the mining, crushing, screening, and storage operations. These emission units were previously permitted at 132 tons per year of particulate.

D. Summation

East Fairfield Coal Company through the PTI modification to existing sources will increase production capability from 1.1 to 1.9 million tons of stone per year. A limit on production of 1.9 million tons of stone per year and recordkeeping will be established only to establish ton per year numbers for the PTI.

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PTI Number: 02-13725

Facility ID: 0250000959

FACILITY NAME East Fairfield Coal Co.

FACILITY DESCRIPTION Modification to increase limestone

CITY/TWP Petersburg

Emissions Unit ID: F006

All emissions units that are effected by this PTI are fugitive emissions units. Therefore, this facility is not subject to the Prevention of Significant Deterioration (PSD) requirements, as stated in 40CFR Part 52.21 (b)(1)(ii). In conclusion, this PTI modification will allow for increased production. The facility which is a Title V facility is not subject to PSD review. This facility is subject to New Source Performance Standard (NSPS) Subpart 000, and the terms and conditions of this permit will assure compliance.

Please fill in the following for this permit:

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

| <u>Pollutant</u> | <u>Tons Per Year</u> |
|------------------|----------------------|
| Particulate | 225 TPY |