



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

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

Lazarus Gov. Center

**RE: DRAFT PERMIT TO INSTALL
STARK COUNTY**

CERTIFIED MAIL

Application No: 15-01492

DATE: 3/19/2002

J&D Mining Inc
James Demuth
PO Box 405 7340 Willowdale S.E.
Magnolia, OH 44643

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 or 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 **\$900** 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, Manager
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

Canton LAA

Stark Co Area Trans Study

WV

PA



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**Permit To Install
Terms and Conditions**

**Issue Date: To be entered upon final issuance
Effective Date: To be entered upon final issuance**

DRAFT PERMIT TO INSTALL 15-01492

Application Number: 15-01492
APS Premise Number: 1576001809
Permit Fee: **To be entered upon final issuance**
Name of Facility: J&D Mining Inc
Person to Contact: James Demuth
Address: PO Box 405 7340 Willowdale S.E.
Magnolia, OH 44643

Location of proposed air contaminant source(s) [emissions unit(s)]:
**7340 Willowdale Ave SE
Sandy Twp, Ohio**

Description of proposed emissions unit(s):
Chapter 31 modification.

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

Issued: To be entered upon final issuance

Part I - GENERAL TERMS AND CONDITIONS

A. 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 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 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. Records Retention Requirements

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.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. 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

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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 verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. 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 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. 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 emissions unit(s) that is (are) served by such control system(s).

6. 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.

7. 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.

8. 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.

9. 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

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lead to such sanctions

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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.

10. 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.

11. 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).

12. 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.

13. Source Operation and Operating Permit Requirements After Completion of Construction

- 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

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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).

Emissions Unit ID: F001

- 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.

14. 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.

15. 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.

B. 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>
PM	4.438
PM10	2.070

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>
F001 - unpaved roadways and parking areas (see Section A.2.b)	OAC rule 3745-31-05(A)(3)	The particulate emissions (PE) shall not exceed 1.71 tons/yr.
Chapter 31 modification		The PM10 emissions shall not exceed 0.77 ton/yr.
Terms in this permit supercede those identified in PTI 15-01426 issued on 8/17/00.		There shall be no visible particulate fugitive emissions except for 3 minutes during any 60-minute period.
		Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. (See sections A.2.b through A.2.f below.)
	OAC rule 3745-17-07(B)(5)	See section A.2.g below.
	OAC rule 3745-17-08(B)	See section A.2.h below.

2. Additional Terms and Conditions

- 2.a The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

unpaved roadways:

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Emissions Unit ID: **F001**

haul road

unpaved parking areas:

parking area

- 2.b** The permittee shall employ best available control measures on all unpaved roadways and parking areas 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 treat the unpaved roadways and parking areas with chemical dust suppressants and water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.d** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.e** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.f** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
- 2.g** Since this emissions unit is not located in an Appendix A area, pursuant to paragraph (B)(11) of OAC rule 3745-17-07, the requirements of OAC rule 3745-17-07(B)(5) do not apply to the fugitive emissions from this emissions unit.
- 2.h** Since this emissions unit is not located in an Appendix A area, pursuant to paragraph (A)(1) of OAC rule 3745-17-08, the requirements of OAC rule 3745-17-08(B) do not

apply to the fugitive emissions from this emissions unit.

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:
 - a. unpaved roadways and parking areas:
all
 - b. minimum inspection frequency:
daily
2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or 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.
3. The permittee may, upon receipt of written approval from the Canton 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.
4. 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

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implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation reports that identify any of the following occurrences:

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- 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.

E. Testing Requirements

1. Compliance with the emission limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emissions Limitation:
The particulate emissions (PE) shall not exceed 1.71 tons/yr.

Applicable Compliance Method:

Compliance with this emission limitation for the unpaved roadways and parking areas identified above shall be determined by using the emission factor for unpaved roadways as stated in AP-42, 5th Edition, September 1998, Chapter 13.2.2, Equation (2). This equation will provide the emission factor for particulate matter in pounds per vehicle mile traveled. This emission factor is then multiplied by the total annual vehicle miles traveled and divided by 2000 pounds to obtain the total annual uncontrolled PE emissions (in tons per year).

- b. Emissions Limitation:
The PM10 emissions shall not exceed 0.77 ton/yr.

Applicable Compliance Method:

Compliance with this emission limitation for the unpaved roadways and parking areas identified above shall be determined by using the emission factor for unpaved roadways as stated in AP-42, 5th Edition, September 1998, Chapter 13.2.2, Equation (2). This equation will provide the emission factor for particulate matter in pounds per vehicle mile traveled. This emission factor is then multiplied by the total annual vehicle miles traveled and divided by 2000 pounds to obtain the total annual uncontrolled PM10 emissions (in tons per year).

- c. **Emissions Limitation:**
There shall be no visible particulate fugitive emissions except for 3 minutes during any 60-minute period.

Applicable Compliance Method:

Compliance with the emission limitation for the unpaved roadways and parking area 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.

F. Miscellaneous Requirements

None

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Emissions Unit ID: F003

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

- 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 - portable aggregate processing plant includes the following equipment:	OAC rule 3745-31-05(A)(3)	The particulate emissions (PE) shall not exceed 0.6235 lb/hr and 2.728 tons/yr.
Primary Crusher with cyclone - 300 tons/hr (Cedar Rapids - Model #5348)		The PM10 emissions shall not exceed 0.2972 lb/hr and 1.3 tons/yr.
Secondary Crusher - 20 tons/hr - (Symons, Tyler & Tycan - Model 41/4 portable)		The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart OOO.
Screeners		See sections A.2.a, A.2.b, A.2.c, A.2.d and A.2.e below.
Conveyors	OAC rule 3745-17-07(B)	See section A.2.f below.
Chapter 31 Modification	OAC rule 3745-17-08(B)	See section A.2.g below.
Terms in this permit supersede those identified in PTI 15-01188 issued on 8/9/95.	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as Best Available Technology (BAT) under OAC rule 3745-31-05(A)(3).
	40 CFR Part 60, Subpart OOO	See sections A.2.h through A.2.l.

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** The hourly mass emissions limitations outlined above are based upon the emissions unit's potential to emit. Therefore, it is not necessary to develop recordkeeping and/or reporting requirements to demonstrate compliance with these limits.
- 2.b** The annual emission limitations were established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop recordkeeping and/or reporting requirements to ensure compliance with these limits.
- 2.c** The permittee shall employ best available control measures during all crushing operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. Compliance with OAC rule 3745-31-05 (A)(3) shall be demonstrated by applying water at sufficient frequencies to maintain the material in a moist condition or employ a cyclone to control emissions to ensure compliance.
- 2.d** The permittee shall employ best available control measures during all screening operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. Compliance with OAC rule 3745-31-05 (A)(3) shall be demonstrated by applying water at sufficient frequencies to maintain the material in a moist condition and ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The permittee shall employ best available control measures during all conveying and handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. Compliance with OAC rule 3745-31-05 (A)(3) shall be demonstrated by applying water at sufficient frequencies to maintain the material in a moist condition and ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.f** Since this emissions unit is not located in an Appendix A area, pursuant to paragraph (B)(11) of OAC rule 3745-17-07, the requirements of OAC rule 3745-17-07(B)(5) do not apply to the fugitive emissions from this emissions unit.
- 2.g** Since this emissions unit is not located in an Appendix A area, pursuant to paragraph (A)(1) of OAC rule 3745-17-08, the requirements of OAC rule 3745-17-08(B) do not apply to the fugitive emissions from this emissions unit.
- 2.h** Particulate emissions from the controlled primary crusher (with cyclone) shall not exceed

Emissions Unit ID: **F003**

7 percent opacity from the cyclone stack, except as provided by rule 40 CFR 60.672.

- 2.i** Particulate emissions from the controlled primary crusher (with cyclone) shall not exceed 0.05 g/dscm from the cyclone stack.
- 2.j** Visible emissions of fugitive dust from the crushers shall not exceed 15% opacity as a 6-minute average, except as provided by rule 40 CFR 60.672.
- 2.k** Visible emissions of fugitive dust from the screens and conveyors shall not exceed 10% opacity as a 6-minute average, except as provided by rule 40 CFR 60.672.

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Emissions Unit ID: **F003**

- 2.1** The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

B. Operational Restrictions

1. Water shall be applied at all points related to the crushing, screening, and conveying and handling operations as necessary to ensure compliance with the visible emission limitations.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall conduct visible emissions' evaluations for each affected facility. The visible emission evaluations shall be conducted according to Method 9 methodology as outlined under 40 CFR Part 60.11. The visible emission performance tests shall be performed during the period of May 1 through September 30.
2. The permittee shall perform daily checks, when the crushing equipment is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the crushing operation. 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 conditions, 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.
3. The permittee shall perform daily checks, when the screening unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the screening 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 conditions, 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.
4. The permittee shall perform daily checks, when each conveying and/or handling point is operating and when the weather conditions allow, for any visible fugitive particulate emissions from each conveying and/or handling operation. 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 conditions, 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.

D. Reporting Requirements

1. The permittee shall submit semiannual reports which (a) identify all days during which any abnormal visible fugitive particulate emissions were observed from the crushing operations and (b) describe any corrective actions taken to eliminate the abnormal visible fugitive particulate emissions. These reports shall be submitted to the Canton local air agency by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall submit semiannual reports which (a) identify all days during which any abnormal visible fugitive particulate emissions were observed from the screening unit and (b) describe any corrective actions taken to eliminate the abnormal visible fugitive particulate emissions. These reports shall be submitted to the Canton local air agency by January 31 and July 31 of each year and shall cover the previous 6-month period.
3. The permittee shall submit semiannual reports which (a) identify all days during which any abnormal visible fugitive particulate emissions were observed from any conveying and handling operations and (b) describe any corrective actions taken to eliminate the abnormal visible fugitive particulate emissions. These reports shall be submitted to the Canton local air agency by January 31 and July 31 of each year and shall cover the previous 6-month period.

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4. The permittee shall notify the Canton local air agency of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Canton local air agency within 30 days after the exceedance occurs.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section II.A.1 of these terms and conditions shall be determined in accordance with the following method(s):

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- a. Emissions Limitation:
The particulate emissions (PE) shall not exceed 0.6235 lb/hr and 2.728 tons/yr.

Applicable Compliance Method:
Compliance shall be determined by multiplying the maximum hourly production rate for each affected facility by the respective emissions factor, as identified below:

<u>No.</u>	<u>Source</u>	<u>Emissions Factors</u> AP-42, Fifth Edition, Table 11-19.2-2 1/95
1	Primary Crusher	0.0007 lb/ton x (100-98) cyclone
1	Secondary Crusher	0.00124 lb/ton
1	Primary Crusher Screens	1.764 E-3 lb/ton
1	Secondary Crusher Screens	1.764 E-3 lb/ton
1	Conveyors/drop point	1.008 E-4 lb/ton

This emissions factor is then multiplied by the hourly maximum production rate which is multiplied by the total number of hours in a year (8760) and divided by 2,000 pounds per ton to yield an emission limitation in tons per year.

- b. Emissions Limitation:
The PM10 emissions shall not exceed 0.2972 lb/hr and 1.3 tons/yr.

Applicable Compliance Method:
Compliance shall be determined by multiplying the maximum hourly production rate for each affected facility by the respective emissions factor, as identified below:

<u>No.</u>	<u>Source</u>	<u>Emissions Factors</u> AP-42, Fifth Edition, Table 11-19.2-2 1/95
1	Primary Crusher	0.00033 lb/ton x (100-98) cyclone
1	Secondary Crusher	0.00059 lb/ton
1	Primary Crusher Screens	0.00084 lb/ton
1	Secondary Crusher Screens	0.00084 lb/ton
1	Conveyors/drop point	0.000048 lb/ton

This emissions factor is then multiplied by the hourly maximum production rate which is multiplied by the total number of hours in a year (8760) and divided by 2,000 pounds per ton to yield an emission limitation in tons per year.

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Issue

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- c. Emissions Limitation:
Visible emissions of fugitive dust from the crushers shall not exceed 15% opacity as a 6-minute average, except as provided by rule 40 CFR Part 60.672.

Applicable Compliance Limitation:

The permittee shall conduct, or have conducted, emission testing for the crusher in accordance with the following requirements:

- i. The emission testing shall be conducted within 60 days of issuance of this permit.
- ii. The emission testing shall be conducted to demonstrate compliance with the opacity limitation.
- iii. The following test method shall be employed to demonstrate compliance with 40 CFR Part 60 Subpart OOO: 40 CFR, Part 60, Appendix A, Method 9. Alternative USEPA approved test methods may be used with prior approval from the Ohio EPA.
- iv. Compliance with the visible emissions limitations shall be determined by Method 9 and the procedures in 40 CFR Part 60.11 with the following additions:
 - (a). The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
 - (b). The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed; and
 - (c). For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.
- v. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Canton local air agency.

No later than thirty (30) days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Canton local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and

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procedures, the emissions unit's operating parameters, the time(s), and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Canton local air agency's refusal to accept the results of the emission test(s).

Personnel from the Canton local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person(s) responsible for the test(s) and submitted to the Canton local air agency within thirty (30) days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Canton local air agency.

d. Emissions Limitation:

Visible emissions of fugitive dust for the screening operations shall not exceed 10% opacity as a 6-minute average, except as provided by rule 40 CFR Part 60.672.

Applicable Compliance Limitation:

The permittee shall conduct, or have conducted, emission testing for the screening operations in accordance with the following requirements:

- i. The emission testing shall be conducted within 60 days of issuance of this permit.
- ii. The emission testing shall be conducted to demonstrate compliance with the opacity limitation.
- iii. The following test method shall be employed to demonstrate compliance with 40 CFR Part 60 Subpart OOO: 40 CFR, Part 60, Appendix A, Method 9. Alternative USEPA approved test methods may be used with prior approval from the Ohio EPA.
- iv. Compliance with the visible emissions limitations shall be determined by Method 9 and the procedures in 40 CFR Part 60.11 with the following additions:
 - (a). The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
 - (b). The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must

be followed; and

- (c). For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be

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considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

- v. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Canton local air agency.

No later than thirty (30) days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Canton local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit's operating parameters, the time(s), and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Canton local air agency's refusal to accept the results of the emission test(s).

Personnel from the Canton local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person(s) responsible for the test(s) and submitted to the Canton local air agency within thirty (30) days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Canton local air agency.

- e. Emissions Limitation:
Visible emissions of fugitive dust for the conveying and handling operations shall not exceed 10% opacity as a 6-minute average, except as provided by rule 40 CFR Part 60.672.

Applicable Compliance Limitation:

The permittee shall conduct, or have conducted, emission testing for the conveying and handling operations in accordance with the following requirements:

- i. The emission testing shall be conducted within 60 days of issuance of this permit.
- ii. The emission testing shall be conducted to demonstrate compliance with the

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opacity limitation.

- iii. The following test method shall be employed to demonstrate compliance with 40 CFR Part 60 Subpart OOO: 40 CFR, Part 60, Appendix A, Method 9. Alternative USEPA approved test methods may be used with prior approval from the Ohio EPA.

- iv. Compliance with the visible emissions limitations shall be determined by Method 9 and the procedures in 40 CFR Part 60.11 with the following additions:
 - (a). The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
 - (b). The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed; and
 - (c). For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.
- v. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Canton local air agency.

No later than thirty (30) days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Canton local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit's operating parameters, the time(s), and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Canton local air agency's refusal to accept the results of the emission test(s).

Personnel from the Canton local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person(s) responsible for the test(s) and submitted to the Canton local air agency within thirty (30) days following completion of the test(s). The

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permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Canton local air agency.

f. Emissions Limitation

Particulate emissions from the controlled primary crusher (with cyclone) shall not exceed 7 percent opacity from the cyclones' stacks, except as provided by rule 40 CFR 60.672.

Applicable Compliance Method

The permittee shall conduct, or have conducted, emission testing for the conveying and handling operations in accordance with the following requirements:

- i. The emission testing shall be conducted within 60 days of issuance of this permit.
- ii. The emission testing shall be conducted to demonstrate compliance with the opacity limitation.
- iii. The following test method shall be employed to demonstrate compliance with 40 CFR Part 60 Subpart OOO: 40 CFR, Part 60, Appendix A, Method 9. Alternative USEPA approved test methods may be used with prior approval from the Ohio EPA.
- iv. Compliance with the visible emissions limitations shall be determined by Method 9 and the procedures in 40 CFR Part 60.11 with the following additions:
 - (a). The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);
 - (b). The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed; and
 - (c). For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.
- v. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Canton local air

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agency.

No later than thirty (30) days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Canton local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit's operating parameters, the time(s), and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Canton local air agency's refusal to accept the results of the emission test(s).

Personnel from the Canton local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person(s) responsible for the test(s) and submitted to the Canton local air agency within thirty (30) days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Canton local air agency.

- g. Emissions Limitation
Particulate emissions from the controlled primary crusher (with cyclone) shall not exceed 0.05 g/dscm from the cyclone's stack.

Applicable Compliance Method

See section E.2 below.

- 2. The permittee shall conduct, or have conducted, emission testing for the cyclone unit serving the primary crusher in accordance with the following requirements:
 - a. The emission testing shall be conducted within 60 days after issuance of the permit to install and within 6 months prior to the renewal of the permit to operate.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulate matter (0.05g/dscm).
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate: Method 5 or Method 17. Alternative U.S. EPA approved

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test methods may be used with prior approval from the Ohio EPA.

- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Canton local air agency.
- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Canton local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit's operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Canton local air agency's refusal to accept the results of the emission test(s).

Personnel from the Canton local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

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

F. Miscellaneous Requirements

None

NEW SOURCE REVIEW FORM B

PTI Number: 15-01492 Facility ID: 1576001809

FACILITY NAME J&D Mining Inc

FACILITY DESCRIPTION Stone processing plant CITY/TWP Sandv Twn

Emissions Unit ID: F003

SIC CODE 1499 SCC CODE 3050211 EMISSIONS UNIT ID F001

EMISSIONS UNIT DESCRIPTION Unpaved roadways and parking areas Chapter 31 modification

DATE INSTALLED Installed 1995

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				1.71
PM ₁₀	Attainment				0.77
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? 000 PSD? OFFSET POLICY?

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

Enter Determination Compliance with the opacity limits for fugitive dust.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?

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: 15-01492 Facility ID: 1576001809

FACILITY NAME J&D Mining Inc

FACILITY DESCRIPTION Stone processing CITY/TWP Sandv Twn

Emissions Unit ID: **F003**

SIC CODE 1499 SCC CODE 30502001 - 30502002 30502014 - 30502032 EMISSIONS UNIT ID F003

EMISSIONS UNIT DESCRIPTION Primary crusher, secondary crusher, screening, material handling and conveying Chapter 31 modification

DATE INSTALLED Scheduled to be installed in 2002.

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			0.6235 lb/hr 0.05 g/dscm for crusher stacks	2.728
PM ₁₀	Attainment			0.2972 lb/hr	1.3
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? **OOO** PSD? OFFSET POLICY?

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

Enter Determination Compliance with NSPS OOO

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?

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: