



State of Ohio Environmental Protection Agency

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

CERTIFIED MAIL

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 02-21562

Fac ID: 0247001023

DATE: 3/7/2006

JDS Trucking LLC
Scott Mihi
27230 Royalton Rd.
Columbia Station, OH 44028

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
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: USEPA

NEDO



**Permit To Install
Terms and Conditions**

**Issue Date: 3/7/2006
Effective Date: 3/7/2006**

FINAL PERMIT TO INSTALL 02-21562

Application Number: 02-21562
Facility ID: 0247001023
Permit Fee: **\$800**
Name of Facility: JDS Trucking LLC
Person to Contact: Scott Mihi
Address: 27230 Royalton Rd.
Columbia Station, OH 44028

Location of proposed air contaminant source(s) [emissions unit(s)]:
**27230 Royalton Rd.
Columbia Station, Ohio**

Description of proposed emissions unit(s):
2 portable tub grinders.

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

JDS Trucking LLC
PTI Application: 02-21562
Issued: 3/7/2006

Facility ID: 0247001023

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

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

JDS Trucking LLC
PTI Application: 02-21562
Issued: 3/7/2006

Facility ID: 0247001023

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 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)

JDS Trucking LLC
PTI Application: 02-21562
Issued: 3/7/2006

Facility ID: 0247001023

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

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

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 Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

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.

JDS Trucking LLC
 PTI Application: 02-21562
 Issued: 3/7/2006

Facility ID: 0247001023

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

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the emissions unit(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>
Particulate Emissions	13.62

JDS Trucking LLC
PTI Application: 02-21562
Issued: 3/7/2006

Facility ID: 0247001023

Nitrogen Oxides	45.36
Carbon Monoxide	10.35
Sulfur Dioxide	7.65

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>
P001 - Tub Grinder (1300 Morbark) with 750 horsepower diesel engine	OAC rule 3745-31-05 (A)(3) OAC rule 3745-17-07(B)

OAC rule 3745-17-11(B)(5)

JDS 1
PTI A
Issued: 3/7/2006

Emissions Unit ID: **P001**

Applicable Emissions
Limitations/Control Measures

Particulate emissions from the diesel engine shall not exceed 0.53 pound per hour; 0.57 ton per year.

Nitrogen oxide emissions shall not exceed 18 pounds per hour; 19.44 tons per year.

Carbon monoxide emissions shall not exceed 4.13 pounds per hour; 4.46 tons per year

Sulfur dioxide emissions shall not exceed 3.04 pounds per hour; 3.28 tons per year.

Visible fugitive emissions shall not exceed 10 percent opacity as a three-minute average.

Fugitive particulate emissions from tub grinding operations shall not exceed 5.67 tons per year.

The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-31-05(A)(3).

Exempt, the facility is not located within an Appendix A area.

2. Additional Terms and Conditions

2.a None

B. Operational Restrictions

1. This emission unit shall not operate more than 2160 hours per year.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall daily record the hours of operation that the emissions unit was in operation.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) report that identifies if the emissions unit operated more than 2160 hours in a calendar year.
2. Pursuant to OAC rule 3745-31-03(A)(1)(p), the permittee of a portable source may relocate within the State of Ohio without first obtaining a permit to install (PTI) providing certain criteria are met. The portable source shall meet one of the two following scenarios in order to qualify for this PTI exemption for the new location:
 - a. The following determinations have been documented, pursuant to OAC rule 3745-31-03(A)(1)(p)(i):
 - i. the portable source is equipped with the best available technology for such portable source;
 - ii. the portable source is operating pursuant to a currently effective permit to install, permit to operate (PTO), or registration status;
 - iii. the applicant has provided proper notice of the intent to relocate the portable source to the (1.) Ohio EPA District Office or local air agency responsible for the permit(s) for the source and (2.) the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site within a minimum of 30 days prior to the scheduled relocation; and
 - iv. in the judgement of the Ohio EPA District Office or local air agency having jurisdiction over the new site, the proposed site is acceptable under OAC rule 3745-15-07.

- b. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable source may relocate within the State of Ohio without first obtaining a PTI, providing the following criteria of OAC rule 3745-31-05(E) are met:
- i. the portable source permittee possesses an Ohio EPA PTI, PTO or registration status;
 - ii. the portable source is equipped with best available technology;
 - iii. the portable source owner has identified the proposed site to Ohio EPA;
 - iv. Ohio EPA has determined that the portable source, at the proposed site, will have an acceptable environmental impact;
 - v. a public notice, consistent with OAC Chapter 3745-47, is published in the county where the proposed site is located;
 - vi. the owner of the proposed site has provided the portable source owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable source to this proposed site; and
 - vii. the portable source owner has provided Ohio EPA with 15 days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), shall be valid for no longer than 3 years and are subject to renewal.

In order for the permitting Ohio EPA District Office or local air agency and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee of the portable source must file a " Notice of Intent to Relocate" within the specified time frame (30 or 15 days), prior to the relocation of the portable source with the Ohio EPA District Office or local air agency responsible for the permits for the source and the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Upon receipt of the notice, the Ohio EPA District Office or local air agency responsible for the permits for the portable source, and/or appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation

Emissions Unit ID: **P001**

of the portable source may result in fines and civil penalties.

Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

E. Testing Requirements

1. Emission Limitation:
 Particulate emissions from the diesel engine shall not exceed 0.53 pound per hour; 0.57 ton per year.

Applicable Compliance Method:

Compliance shall be determined by using the following equation:

$$EP = 0.0007 \times HP$$

$$EY = EP \times HR/2000 \quad \text{where}$$

EP = emission rate, pounds per hour
 0.0007 = emission factor lb/hr
 HP = horsepower rating of emission unit
 EY = emission rate, tons per year
 HR = operating hours per year of emissions unit
 2000 = conversion factor, lbs per ton

2. Emission Limitation:
 Nitrogen oxide emissions shall not exceed 18.0 pounds per hour; 19.44 tons per year.

Applicable Compliance Method:

Compliance shall be determined by using the following equation.

$$EP = 0.024 \times HP$$

$$EY = EP \times HR/2000 \quad \text{where}$$

EP = emission rate, pounds per hour
 0.024 = emission factor lb/hphr
 HP = horsepower rating of emission unit
 EY = emission rate, tons per year
 HR = operating hours per year of emissions unit
 2000 = conversion factor, lbs per ton

3. Emission Limitation:
Carbon monoxide emissions shall not exceed 4.13 pounds per hour; 4.46 tons per year.

Applicable Compliance Method:
Compliance shall be determined by using the following equation:

$$EP = 0.0055 \times HP$$
$$EY = EP \times HR/2000 \quad \text{where}$$

EP = emission rate, pounds per hour
0.0055 = emission factor lb/hphr
HP = horsepower rating of emission unit
EY = emission rate, tons per year
HR = operating hours per year of emissions unit
2000 = conversion factor, lbs per ton

4. Emission Limitation:
Sulfur dioxide emissions shall not exceed 3.04 pounds per hour; 3.28 tons per year.

Applicable Compliance Method:
Compliance shall be determined by using the following equation:

$$EP = 0.00405 \times HP$$
$$EY = EP \times HR/2000 \quad \text{where}$$

EP = emission rate, pounds per hour
0.00405 = emission factor lb/hphr
HP = horsepower rating of emission unit
EY = emission rate, tons per year
HR = operating hours of emissions unit per year
2000 = conversion factor, lbs per ton

5. Emission Limitation:
Fugitive particulate emissions from tub grinding operations shall not exceed 5.67 tons per year.

Applicable Compliance Method:
Compliance shall be determined by using the following equation:

JDS Trucking LLC
PTI Application: 02-21562
Issue:

Facility ID: 0247001023

Emissions Unit ID: P001

$$E = 150 \times 27 \times 7.41 \times 0.0005 \times 0.35 \times \text{HR}/2000 \quad \text{where}$$

E = emission rate, tons per year

150 = production rate of emissions unit, cubic yards per hour

27 = conversion factor, cubic feet per cubic yard

7.41 = average density of material processed, lb per cubic foot

0.0005 = conversion factor, tons per pound

0.35 = emission factor, lb emissions per ton processed

HR = operating hours of emissions unit per year

2000 = conversion factor, lbs per ton

6. **Emission Limitation:**
Visible fugitive emissions shall not exceed 10 percent opacity as a three-minute average

15

JDS 1

PTI A

Issued: 3/7/2006

Emissions Unit ID: **P001**

Applicable Compliance Method:

Compliance shall be demonstrated by using Method 9, of 40 CFR, Part 60, Appendix A, if required.

F. Miscellaneous Requirements

None

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>	
P002 - Tub Grinder (1500 Morbark) with 1000 horsepower diesel engine	OAC rule 3745-31-05(A)(3)	OAC rule 3745-17-07(B)
	OAC rule 3745-17-11(B)(5)	

Applicable Emissions
Limitations/Control Measures

Particulate emissions from the diesel engine shall not exceed 0.70 pound per hour; 0.76 ton per year.

Nitrogen oxide emissions shall not exceed 24.0 pounds per hour; 25.92 tons per year.

Carbon monoxide emissions shall not exceed 5.50 pounds per hour; 5.94 tons per year

Sulfur dioxide emissions shall not exceed 4.05 pounds per hour; 4.37 tons per year.

Visible fugitive emissions shall not exceed 10 percent opacity as a three-minute average.

Fugitive particulate emissions from tub grinding operations shall not exceed 6.62 tons per year.

The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-31-05(A)(3).

Exempt, the facility is not located within an Appendix A area.

2. Additional Terms and Conditions

2.a None

B. Operational Restrictions

1. This emission unit shall not operate more than 2160 hours per year.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall daily record the hours of operation that the emissions unit was in operation

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) report that identifies if the emissions unit operated more than 2160 hours in a calendar year.
2. Pursuant to OAC rule 3745-31-03(A)(1)(p), the permittee of a portable source may relocate within the State of Ohio without first obtaining a permit to install (PTI) providing certain criteria are met. The portable source shall meet one of the two following scenarios in order to qualify for this PTI exemption for the new location:
 - a. The following determinations have been documented, pursuant to OAC rule 3745-31-03(A)(1)(p)(i):
 - i. the portable source is equipped with the best available technology for such portable source;
 - ii. the portable source is operating pursuant to a currently effective permit to install, permit to operate (PTO), or registration status;
 - iii. the applicant has provided proper notice of the intent to relocate the portable source to the (1.) Ohio EPA District Office or local air agency responsible for the permit(s) for the source and (2.) the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site within a minimum of 30 days prior to the scheduled relocation; and
 - iv. in the judgement of the Ohio EPA District Office or local air agency having jurisdiction over the new site, the proposed site is acceptable under OAC rule 3745-15-07.

- b. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable source may relocate within the State of Ohio without first obtaining a PTI, providing the following criteria of OAC rule 3745-31-05(E) are met:
- i. the portable source permittee possesses an Ohio EPA PTI, PTO or registration status;
 - ii. the portable source is equipped with best available technology;
 - iii. the portable source owner has identified the proposed site to Ohio EPA;
 - iv. Ohio EPA has determined that the portable source, at the proposed site, will have an acceptable environmental impact;
 - v. a public notice, consistent with OAC Chapter 3745-47, is published in the county where the proposed site is located;
 - vi. the owner of the proposed site has provided the portable source owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable source to this proposed site; and
 - vii. the portable source owner has provided Ohio EPA with 15 days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), shall be valid for no longer than 3 years and are subject to renewal.

In order for the permitting Ohio EPA District Office or local air agency and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee of the portable source must file a " Notice of Intent to Relocate" within the specified time frame (30 or 15 days), prior to the relocation of the portable source with the Ohio EPA District Office or local air agency responsible for the permits for the source and the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Upon receipt of the notice, the Ohio EPA District Office or local air agency responsible for the permits for the portable source, and/or appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation

Emissions Unit ID: **P002**

of the portable source may result in fines and civil penalties.

Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

E. Testing Requirements

1. Emission Limitation:
 Particulate emissions from the diesel engine shall not exceed 0.70 pound per hour; 0.76 ton per year.

Applicable Compliance:

Compliance shall be determined by using the following equation:

$$EP = 0.0007 \times HP$$

$$EY = EP \times HR/2000 \quad \text{where}$$

EP = emission rate, pounds per hour
 0.0007 = emission factor lb/hphr
 HP = horsepower rating of emission unit
 EY = emission rate, tons per year
 HR = operating hours per year of emissions unit
 2000 = conversion factor, lbs per ton

2. Emission Limitation:
 Nitrogen oxide emissions shall not exceed 24.0 pounds per hour; 25.92 tons per year.

Applicable Compliance Method:

Compliance shall be determined by using the following equation.

$$EP = 0.024 \times HP$$

$$EY = EP \times HR/2000 \quad \text{where}$$

EP = emission rate, pounds per hour
 0.024 = emission factor lb/hphr
 HP = horsepower rating of emission unit
 EY = emission rate, tons per year
 HR = operating hours per year of emissions unit
 2000 = conversion factor, lbs per ton

3. Emission Limitation:
 Carbon monoxide emissions shall not exceed 5.5 pounds per hour; 5.94 tons per year.

Applicable Compliance Method:

Compliance shall be determined by using the following equation:

$$EP = 0.0055 \times HP$$

$$EY = EP \times HR/2000 \quad \text{where}$$

EP = emission rate, pounds per hour

0.0055 = emission factor lb/hphr

HP = horsepower rating of emission unit

EY = emission rate, tons per year

HR = operating hours per year of emissions unit

2000 = conversion factor, lbs per ton

4. Emission Limitation:
 Sulfur dioxide emissions shall not exceed 4.05 pounds per hour; 4.37 tons per year.

Applicable Compliance Method:

Compliance shall be determined by using the following equation:

$$EP = 0.00405 \times HP$$

$$EY = EP \times HR/2000 \quad \text{where}$$

EP = emission rate, pounds per hour

0.00405 = emission factor lb/hphr

HP = horsepower rating of emission unit

EY = emission rate, tons per year

HR = operating hours of emissions unit per year

2000 = conversion factor, lbs per ton

5. Emission Limitation:
 Fugitive particulate emissions from tub grinding operations shall not exceed 6.62 tons per year.

Applicable Compliance Method:

Compliance shall be determined by using the following equation:

$$E = 175 \times 27 \times 7.41 \times 0.0005 \times 0.35 \times HR/2000 \quad \text{where}$$

JDS Trucking LLC
PTI Application: 02 21562
Issue

Facility ID: 0247001023

Emissions Unit ID: P002

E = emission rate, tons per year
175 = production rate of emissions unit, cubic yards per hour
27 = conversion factor, cubic feet per cubic yard
7.41 = average density of material processed, lb per cubic foot
0.0005 = conversion factor, tons per pound
0.35 = emission factor, lb emissions per ton processed
HR = operating hours of emissions unit per year
2000 = conversion factor, lbs per ton

6. Emission Limitation:
Visible fugitive emissions shall not exceed 10 percent opacity as a three-minute average

Applicable Compliance Method:

Compliance shall be demonstrated by using Method 9, of 40 CFR, Part 60, Appendix A, if required.

F. Miscellaneous Requirements

None