State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL** **CERTIFIED MAIL**
**LUCAS COUNTY**

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: 04-01446**
**Fac ID:** 0448950003
**DATE: 10/12/2006**

Crestline Paving/Excavating, Inc.
Christopher James
P.O. Box 3356 1913 Nebraska Avenue
Toledo, OH 43607

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 of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 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. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of $70.00 which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. 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, OH 43215

Sincerely,

Michael W. Ahern

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

**CC:** **USEPA** **TDES**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

| | |
|---|---|
| **Permit To Install** | **Issue Date: 10/12/2006** |
| **Terms and Conditions** | **Effective Date: 10/12/2006** |

**FINAL PERMIT TO INSTALL 04-01446**

| | |
|---|---|
| Application Number: | 04-01446 |
| Facility ID: | 0448950003 |
| Permit Fee: | **$3300** |
| Name of Facility: | Crestline Paving/Excavating, Inc. |
| Person to Contact: | Christopher James |
| Address: | P.O. Box 3356 1913 Nebraska Avenue<br>Toledo, OH 43607 |

Location of proposed air contaminant source(s) [emissions unit(s)]:
**1913 Nebraska Avenue**
**Toledo**, **Ohio**

Description of proposed emissions unit(s):
**Portable Aggregate Processing Plant, roadways and storage piles.**

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

Joseph P. Koncelik

Director

## 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

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)**

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.

**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

| Pollutant | Tons Per Year |
|---|---|
| CO | 3.04 |
| NOx | 14.12 |
| PE | 41.91 |
| PM10 | 15.62 |
| SO2 | 0.93 |

| | |
|---|---|
| VOC | 1.15 |

## 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.

**Operations, Property, and/or Equipment - (F001) - Roadways and Parking**

| Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|
| OAC rule 3745-31-05(A)(3) | 7.4 tons/year of fugitive particulate matter of 10 microns or less (PM10) |
| | 25.2 tons/year of fugitive particulate emissions (PE) |
| | no visible PE except for 3 minutes during any 60-minute period |
| | best available control measures that are sufficient to minimize or eliminate visible PE of fugitive dust (See Sections A.I.2.a through A.I.2.f.) |
| OAC rule 3745-17-07(B)(5) | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). |
| OAC rule 3745-17-08(B) | (See Sections A.I.2.a through A.I.2.f.) |

**2. Additional Terms and Conditions**

**2.a** 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 application, the permittee has committed to treat the unpaved roadways and parking areas by application of chemical stabilization/dust suppressants and/or watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

**2.b** 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 unpaved roadways and parking areas that are 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.c** 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.d** Any unpaved roadway or parking area that is subsequently paved, will require a General Permit for paved roadways and parking areas.

**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.

## B. Operational Restrictions

None

## C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each of the roadway segments and parking areas in accordance with the following frequencies:

| unpaved roadways and parking areas | minimum inspection frequency |
|---|---|
| all roads and parking areas | 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 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 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 3.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:

   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 limitations in section A.I.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emission Limitations:
7.4 tons/year of fugitive PM10
25.2 tons/year of fugitive PE

Applicable Compliance Method:
Compliance with fugitive PE and PM10 limitations shall be determined by using the emission factor equations in Section 13.2.2, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 12/03) for unpaved roadways. Should further updates in AP-42 occur, the most current equations for unpaved roads shall be used. These emission limits in the General Permit were based on a maximum of 120,000 vehicle miles traveled per year, and a 95 % control efficiency for PE and PM10.

b. Emission Limitation:
No visible PE from unpaved roadways and parking areas except for a period of time not to exceed 3 minutes during any 60-minute observation period.

Applicable Compliance Method:
If required, compliance with the visible PE limitation listed 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").

## F. Miscellaneous Requirements

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

   a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;

   b. the portable emissions unit is operating pursuant to a currently effective permit to install, permit to operate or registration;

   c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,

   d. in the appropriate field office's judgement, the proposed site is acceptable under

the rule 3745-15-07 of the Administrative Code.

2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

   a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;

   b. the portable emissions unit is equipped with best available technology;

   c. the portable emission unit owner has identified the proposed site to Ohio EPA;

   d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

   e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;

   f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and,

   g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

   Any site approvals issued by the Ohio EPA, pursuant to section F.2. above, shall be valid for no longer than three years and are subject to renewal.

3. In order for the Toledo Division of Environmental Services and the appropriate Ohio EPA field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee shall file a "Notice of Intent to Relocate," within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Toledo Division of Environmental Services and the appropriate Ohio EPA field office having jurisdiction over the new site.

   Upon receipt of the notice, the Toledo Division of Environmental Services and/or appropriate Ohio EPA field office 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 of the emissions unit may result in 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.

4. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

   The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

## 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.

**Operations, Property, and/or Equipment - (F002) - Aggregate Storage Piles**

| Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|
| OAC rule 3745-31-05(A)(3) | 5.9 tons/year of fugitive particulate matter of 10 microns or less (PM10) |
| | 12.0 tons/year of fugitive particulate emissions (PE) |
| | no visible PE except for one minute during any 60-minute period |
| | best available control measures that are sufficient to minimize or eliminate visible PE of fugitive dust (See Sections A.2.a through A.2.e) |
| OAC rule 3745-17-07(B) | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). |
| OAC rule 3745-17-08(B) | (See Sections A.2.a through A.2.e) |

**2. Additional Terms and Conditions**

**2.a** 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 application, the permittee has committed to maintain minimal drop heights for stackers and front-loaders, and chemical stabilization/dust suppressants and/or watering/sprinkling systems at sufficient treatment frequencies to ensure compliance.

The operator shall avoid dragging any front-end loader bucket along the ground. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

**2.b** 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.c** 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 application, the permittee has committed to perform one or more of the following: (chemical stabilization, watering/sprinkling systems/hoses, covering the storage piles) to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

**2.d** 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 ensure compliance with the above-mentioned applicable requirements.

**2.e** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05(A)(3).

## B. Operational Restrictions

None

## C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

| storage pile identification | minimum load-in inspection frequency |
| --- | --- |
| all | daily |

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

| storage pile identification | minimum load-out inspection frequency |
|---|---|
| all | daily |

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

| storage pile identification | minimum wind erosion inspection frequency |
|---|---|
| all | daily |

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 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 6.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.

## D. Reporting Requirements

1. The permittee shall submit quarterly 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.

## E. Testing Requirements

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

   a. Emissions Limitations:
   5.9 tons/year of fugitive PM10
   12.0 tons/year of fugitive PE

   Applicable Compliance Method:
   Compliance with fugitive PE limitations shall be determined by using the emission factor equations in Sections 13.2.4 and 13.2.5, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 1/95), for load-in operations, load-out operations, and wind erosion. These emission limits in the General Permit were based on a maximum production of 3,000,000 tons per year, a maximum storage surface area greater than 6 acres but less than or

equal to 15 acres, and a 95 % overall control efficiency for PE and PM10.

b. Emission Limitation:
There shall be no visible PE except for a period of time not to exceed one minute in any 60-minute observation period.

Applicable Compliance Method:
Compliance with the visible PE limitations 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").

## F. Miscellaneous Requirements

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

    a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;

    b. the portable emissions unit is operating pursuant to a currently effective permit to install, permit to operate or registration;

    c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,

    d. in the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

    a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;

    b. the portable emissions unit is equipped with best available technology;

    c. the portable emission unit owner has identified the proposed site to Ohio EPA;

    d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

    e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;

    f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and,

g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to section F.2. above, shall be valid for no longer than three years and are subject to renewal.

3. In order for the Toledo Division of Environmental Services and the appropriate Ohio EPA field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee shall file a "Notice of Intent to Relocate," within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Toledo Division of Environmental Services and the appropriate Ohio EPA field office having jurisdiction over the new site.

   Upon receipt of the notice, the Toledo Division of Environmental Services and/or appropriate Ohio EPA field office 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 of the emissions unit may result in 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.

4. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

   The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

**Issued: 10/12/2006**

**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.

**Operations, Property, and/or Equipment - (P901) - Aggregate processing plant (crusher, screen, conveyors)powered by a 438 hp diesel engine**

| Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|
| Material handling (loading/unloading operations) | |
| OAC rule 3745-31-05(A)(3) | Particulate emissions (PE) from material handling shall not exceed 0.14 pound per hour. |
| | Particulate matter emissions of 10 microns or less (PM10) shall not exceed 0.02 pound per hour. |
| | Best available control measures that are sufficient to minimize or eliminate emissions of fugitive dust.<br><br>See Sections A.2.a through d. |
| OAC rule 3745-31-05(C) | Emissions shall not exceed, as a rolling, 12-month summation: |
| | 0.15 ton PE |
| | 0.02 ton PM10 |
| OAC rule 3745-17-07(B)(1) | See Section A.2.e. |
| OAC rule 3745-17-08(B), (B)(3) | See Section A.2.e. |
| 40 CFR, Part 60, Subpart OOO | Visible emissions of fugitive particulate shall not exceed 10% opacity as a 6-minute average.<br><br>See Section A.2.f. |
| Crushing and screening operations | |
| OAC rule 3745-31-05(A)(3) | PE from crushing and screening shall not exceed 2.8 pounds per hour. |
| | Particulate matter emissions of 10 microns or less (PM10) shall not exceed 1.0 pound per hour. |

Emissions Unit ID: **P901**

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|---|---|
| | Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust.<br><br>See Sections A.2.a through d. |
| OAC rule 3745-31-05(C) | Emissions shall not exceed, as a rolling, 12-month summation: |
| | 2.9 tons PE |
| | 1.1 tons PM10 |
| OAC rule 3745-17-07(B)(1) | Visible emissions of particulate shall not exceed 20% opacity as a 3-minute average. |
| OAC rule 3745-17-08(B), (B)(3) | See Section A.2.e. |
| 40 CFR, Part 60, Subpart OOO | Visible particulate emissions of fugitive dust shall not exceed 15% opacity as a 6-minute average, from any crusher;<br><br>visible particulate emissions of fugitive dust shall not exceed 10% opacity as a 6-minute average, from any screening operation;<br><br>visible particulate emissions of fugitive dust shall not exceed 0% opacity as a 6-minute average, from any wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin;<br><br>visible particulate emissions of fugitive dust shall not exceed 0% opacity as a 6-minute average, from any screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.<br><br>See Section A.2.f. |
| Plant conveyors and transfer points | |
| OAC rule 3745-31-05(A)(3) | PE from conveyors and transfer points shall not exceed 0.63 pound per hour. |
| | Particulate matter emissions of 10 microns or less (PM10) shall not exceed 0.2 pound per hour. |
| | Visible emissions of fugitive particulate shall not exceed 10% opacity as a three-minute average. |

| | |
|---|---|
| | Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust.<br><br>See Sections A.2.a through d. |
| OAC rule 3745-31-05(C) | Emissions shall not exceed, as a rolling, 12-month summation: |
| | 0.66 ton PE |
| | 0.2 ton PM10 |
| OAC rule 3745-17-07(B)(1) | See Section A.2.e. |
| OAC rule 3745-17-08(B), (B)(3) | See Section A.2.e. |
| 40 CFR, Part 60, Subpart OOO | Visible particulate emissions of fugitive dust shall not exceed 10% opacity as a 6-minute average, from any transfer point on belt conveyors and from any other emissions point (excluding crushers and truck dumping) where process materials are not saturated.<br><br>See Section A.2.f. |
| 438 hp diesel engine | |
| OAC rule 3745-31-05(A)(3) | Carbon monoxide (CO) emissions shall not exceed 2.93 pounds per hour. |
| | Nitrogen oxides (NOx) emissions shall not exceed 13.58 pounds per hour. |
| | PE shall not exceed 0.96 pound per hour. |
| | PM10 emissions shall not exceed 0.96 pound per hour. |
| | Sulfur dioxide ($SO_2$) emissions shall not exceed 0.90 pound per hour. |
| | Volatile organic compounds (VOC) emissions shall not exceed 1.10 pounds per hour. |
| | Visible emissions of particulate shall not exceed 10% opacity as a three-minute average, unless otherwise specified by the rule. |
| | The requirements of this rule also include compliance with OAC rules 3745-17-11(B)(5)(b) and 3745-18-06(G). |
| | See Section A.2.g. |
| OAC rule 3745-31-05(C) | Emissions shall not exceed, as a rolling, 12-month summation: |
| | 3.04 tons CO |
| | 14.12 tons NOx |
| | 1.0 ton PE |
| | 1.0 ton PM10 |
| | 0.93 ton SO2 |
| | 1.15 tons VOC |

| | |
|---|---|
| OAC rule 3745-17-07(A)(1) | See Section A.2.e. |
| OAC rule 3745-17-11(B)(5)(a) | PE shall not exceed 0.310 pound per mmBtu of actual heat input. |
| OAC rule 3745-18-06(G) | $SO_2$ emissions shall not exceed 0.5 pound per mmBtu of actual heat input. |
| OAC rule 3745-21-08(B) | See Section A.2.h. |
| OAC rule 3745-23-06(B) | See Section A.2.i. |

**2. Additional Terms and Conditions**

**2.a** The material handling operation(s) that are covered by this permit are subject to the following requirements and the permittee shall employ best available control measures for these material handling operations. In accordance with the permittee's's permit application, the permittee has committed to perform the following control measures as necessary for each operation identified below:

| operation | control measure(s) |
|---|---|
| conveyors & transfer points | use of wet suppression system |
| loading operations | maintain moisture content sufficient to minimize visible emissions of fugitive dust |
| crushing & screening | maintain or apply sufficient water to adequately control the fugitive dust emissions |

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

For each material handling operation that is not adequately enclosed, the above-identified control measures shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measures is unnecessary.

**2.b** For each material handling operation that is not adequately enclosed, the

above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that the use of control measure(s) is unnecessary.

**2.c** Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-07, 3745-17-08, and 3745-31-05.

**2.d** The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart OOO.

**2.e** The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2.f** The application and enforcement of the provisions of NSPS, as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements for 40 CFR Part 60 are also federally enforceable.

**2.g** The sulfur content of the diesel fuel received for combustion in this emissions unit shall not exceed 0.5% by weight.

**2.h** The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by complying with all applicable rules.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

**2.i** The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant

to OAC rule 3745-31-05(A)(3) in this Permit to Install.

On February 14, 2005, OAC rule 3745-23-06 was rescinded; therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the U.S. EPA approves the revision to OAC rule 3745-23-06, the requirement to satisfy the "latest available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

## B. Operational Restrictions

1. The quality of oil as received for combustion in this emissions unit shall meet the specifications of number 2 diesel fuel oil, as defined by the American Society for Testing and Materials in ASTM D396-78, 89, 90, 92, 96, or 98, "Standard Specification for Fuel Oils" (i.e., "on-spec" with ≤0.5% sulfur by weight).

2. The maximum hours of engine operation shall not exceed 2,080 hours per year as a rolling, 12-month summation. To ensure enforceability during the first 12 calendar months of operation following the startup of this emissions unit, the permittee shall not exceed the hours of operation specified in the following table:

| month(s) | maximum allowable cumulative hours of operation (hours) |
|---|---|
| 1 | 720 |
| 1-2 | 1,440 |
| 1-3 | 2,080 |
| 1-4 | 2,080 |
| 1-5 | 2,080 |
| 1-6 | 2,080 |
| 1-7 | 2,080 |
| 1-8 | 2,080 |
| 1-9 | 2,080 |
| 1-10 | 2,080 |
| 1-11 | 2,080 |
| 1-12 | 2,080 |

After the first 12 calendar months of operation following the startup of this emissions unit, compliance with the annual hours of operation limitation shall be based upon a

rolling, 12-month summation.

## C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the diesel stack and for any visible fugitive particulate emissions from the egress points (e.g. crushing, screening, conveying, and transfer points) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the location and color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to minimize or eliminate the visible emissions.

   If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA 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.

4. The permittee shall maintain records of the following information:

a. the date and reason any required inspection was not performed;

b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s):

c. the dates the control measure(s) was (were) implemented; and

d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 5.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

5. The monitoring and recordkeeping requirements of this section apply only for those calendar quarters during which the emissions unit is located in the State of Ohio.

6. For each day during which the permittee burns a fuel other than the number 2 diesel fuel oil specified above (i.e., "on-spec" with ≤0.5% sulfur by weight), the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

7. The permittee shall install and maintain a device (hour meter) capable of tracking the total hours of operation of the engine.

8. The permittee shall calculate and record the following on a monthly basis:

   a. the total hours of operation of each emissions unit, in hours;

   b. beginning after the first 12 calendar months of operation following issuance of this permit, the total hours of operation of each emissions unit as a rolling, 12-month summation, in hours. Also, during the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative hours of operation for each calendar month.

9. The monitoring and recordkeeping requirements of this section apply only for those calendar quarters during which the emissions unit is located in the State of Ohio.

## D. Reporting Requirements

Emissions Unit ID: **P901**

1. The permittee shall submit quarterly deviation (excursion) reports that:

   a. summarize any daily record(s) showing that the water spray system was not in service when the emissions unit was in operation,

   b. i. identify all days during which any visible particulate emissions were observed from the diesel engine serving this emissions unit;

      ii. identify all days during which any visible fugitive particulate emissions were observed from the from the egress points (i.e., named above) serving this emissions unit;

      iii. describe any corrective actions taken to minimize or eliminate the visible particulate and/or visible fugitive particulate emissions;

      iv. identify each day during which an inspection was not performed by the required frequency;

      v. identify all days during which a control measure (i.e. watering, water spraying, etc.), that was to be performed as a result of an inspection, was not implemented.

   c. summarize any daily record(s) showing that a fuel other than the number 2 diesel fuel oil specified (i.e., "on-spec" with ≤0.5% sulfur by weight) was burned in this emissions unit,

   d. identify all exceedances of the rolling, 12-month total hours of operation limitation; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative hours of operation limitations.

   If no deviations occurred during the calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that period.

2. The permittee of any screening operation, bucket elevator, or belt conveyor that processes saturated material and is subject to the no visible emission limit and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the 10 percent opacity limit and the emission test requirements of Section 60.11 of 40 CFR Part 60, subpart A and 40 CFR Part 60, subpart OOO. Likewise a screening operation, bucket elevator, or belt conveyor that processes unsaturated material but subsequently

processes saturated material shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the no visible emission limit.

3. All deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit by January 31, April 30, July 31, and October 31.

4. The reporting requirements of this section apply only for those calendar quarters during which the emissions unit is located in the State of Ohio.

5. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than the number 2 diesel fuel oil specified (i.e., "on-spec" with ≤0.5% sulfur by weight) was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

## E. Testing Requirements

1. If required, upon relocation of this emissions unit, and at such other times as may be required by the Ohio Environmental Protection Agency (Toledo Division of Environmental Services), the permittee shall conduct, or have conducted, fugitive visible particulate emission testing for emissions unit P901 for all transfer points, screens, and crushers in accordance with the following requirements:

   a. The emission testing shall be conducted within 30 days of startup of such facility. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates for particulate emissions in accordance with the provisions of 40 CFR 60, Subpart A, Section 60.8 and 40 CFR Part 60, Subpart OOO, Section 60.675.

   b. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9 (40 CFR Part 60, Appendix A). The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

   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 appropriate Ohio EPA District Office or local air agency.

   Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency.

   The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit 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 Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

   Personnel from the appropriate Ohio EPA District Office or 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.

   The permittee shall submit written reports of the results of all performance tests

conducted to demonstrate compliance with the standards in 40 CFR 60.672 of Subpart OOO, including reports of observations using Method 9 to demonstrate compliance with section A.2 of this permit.

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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

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

   a. Emissions Limitation:

      Visible emissions of fugitive particulate shall not exceed 20% opacity as a three-minute average.

      Applicable Compliance Method:

      Compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(4). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

   b. Emissions Limitations:

      Visible emissions of fugitive particulate emissions shall not exceed 0% opacity as a 6-minute average, from any wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill, or storage bin, or from any screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, unless otherwise specified by the rule.

      Applicable Compliance Method:

      Compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in 40 CFR 60.675. Alternative U.S. EPA

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

c. Emissions Limitations:

Visible emissions of fugitive particulate emissions shall not exceed 10% opacity as a 6-minute average, from any screening operation, unless otherwise specified by the rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in 40 CFR 60.675. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

d. Emissions Limitations:

Visible emissions of fugitive particulate emissions shall not exceed 15% opacity as a 6-minute average, from any crusher, unless otherwise specified by the rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in 40 CFR 60.675. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

e. Emissions Limitation:

The fugitive PE from material handling shall not exceed 0.14 pound per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum processing rate 500 tons per hour. Compliance may be demonstrated through calculations performed as follows: multiply the controlled emission factor in AP-42, Chapter 11.19.2 (revised 8/04) for truck unloading (0.00014#/t) and truck loading (0.00014#/t) by the actual processing rate per hour.

f. Emissions Limitation:

The fugitive PE from material handling shall not exceed 0.15 ton as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this

emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (0.14 lb/hr PE) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.

g. Emissions Limitation:

The fugitive PM10 emissions from material handling shall not exceed 0.02 pound per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum processing rate 500 tons per hour. Compliance may be demonstrated through calculations performed as follows: multiply the controlled emission factor in AP-42, Chapter 11.19.2 (revised 8/04) for truck unloading (0.000016#/t) and truck loading (0.000016#/t) by the actual processing rate per hour.

h. Emissions Limitation:

The fugitive PM10 emissions from material handling shall not exceed 0.02 ton as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (0.02 lb/hr PM10) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.

i. Emissions Limitation:

The fugitive PE from crushing, grizzly feeder, and screening operations shall not exceed 2.8 pounds per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum processing rate 500 tons per hour. Compliance may be demonstrated through calculations performed as follows: multiply a summation of the controlled emission factors in AP-42, Chapter 11.19.2 (revised 8/04) for crushing (0.0012#/t) grizzly feeder (0.0022#/t) and screens (0.0022#/t) by the actual processing rate per hour.

j. Emissions Limitation:

The fugitive PE from crushing, grizzly feeder, and screening shall not exceed and 2.9 tons as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (2.8 lb/hr PE) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.

k. Emissions Limitation:

The fugitive PM10 emissions from crushing and screening shall not exceed 1.0 pound per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum processing rate 500 tons per hour. Compliance may be demonstrated through calculations performed as follows: multiply the controlled emission factor in AP-42, Chapter 11.19.2 (revised 8/04) for crushing (0.00054#/t) and screens (0.00074#/t) by the actual processing rate per hour.

l. Emissions Limitation:

The fugitive PM10 emissions from crushing and screening shall not exceed 1.1 tons as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (1.0 lb/hr PM10) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.

m. Emissions Limitation:

The fugitive PE from plant conveyors and transfer points shall not exceed 0.63 pound per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum processing rate 500 tons per hour. Compliance may be demonstrated through calculations performed as follows: multiply a summation of the controlled emission factors in AP-42, Chapter 11.19.2 (revised 8/04) for conveyors (9x0.00014#/t) by the actual processing rate per hour.

n. Emissions Limitation:

The fugitive PE from plant conveyors and transfer points shall not exceed and 0.66 ton as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (0.63 lb/hr PE) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.

o. Emissions Limitation:

The fugitive PM10 emissions from plant conveyors and transfer points shall not exceed 0.2 pound per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum processing rate 500 tons per hour. Compliance may be demonstrated through calculations performed as follows: multiply the controlled emission factor in AP-42, Chapter 11.19.2 (revised 8/04) for conveyors (9x0.000045#/t) by the actual processing rate per hour.

p. Emissions Limitation:

The fugitive PM10 emissions from plant conveyors and transfer points shall not exceed 0.2 ton as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (0.2 lb/hr PM10) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.

q. Emissions Limitation**:**

Visible particulate emissions from each diesel engine exhaust stack shall not exceed 10 percent opacity as a three-minute average, except as specified by the rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(1). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

r. Emission Limitation:

The emissions of CO shall not exceed 2.93 pounds per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum operating load of 438 horsepower. Compliance may be demonstrated through calculations performed as follows: multiply the emission factor in AP-42, Chapter 3.3, Table 3.3-1, revised 10/96 (0.00668 lb/hp-hr) by the actual operating horsepower.

If required, the permittee shall demonstrate compliance with this emissions

limitation using Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

s. Emission Limitation:

The emissions of CO shall not exceed 3.04 tons as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (2.93 lbs/hr CO) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.

t. Emissions Limitation:

The emissions of NOx shall not exceed 13.58 pounds per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum operating load of 438 horsepower. Compliance may be demonstrated through calculations performed as follows: multiply the emission factor in AP-42, Chapter 3.3, Table 3.3-1, revised 10/96 (0.031 lb/hp-hr) by the actual operating horsepower.

If required, the permittee shall demonstrate compliance with this emissions limitation using Methods 1 through 4 and 7E of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

u. Emissions Limitation:

The emissions of NOx shall not exceed 14.12 tons as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (13.58 lbs/hr NOx) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.

v. Emissions Limitation:

PE shall not exceed 0.310 pound per mmBtu of actual heat input.

Applicable Compliance Method:

Compliance may be demonstrated through the emission factor in AP-42, Chapter 3.3, Table 3.3-1, revised 10/96 (0.31 lb/mmBtu).

If required, the permittee shall demonstrate compliance with this emissions limitation using Methods 1 through 5 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(10). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

w. Emissions Limitation:

PE shall not exceed 0.96 pound per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum operating load of 438 horsepower. Compliance may be demonstrated through calculations performed as follows: multiply the emission factor in AP-42, Chapter 3.3, Table 3.3-1, revised 10/96 (0.00220 lb/hp-hr) by the actual operating horsepower.

If required, the permittee shall demonstrate compliance with this emissions limitation using Methods 1 through 5 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(10). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

x. Emissions Limitation:

PE shall not exceed 1.00 ton as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (0.96 lb/hr PE) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.

y. Emission Limitation:

The emissions of PM10 shall not exceed 0.96 pound per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum operating load of 438 horsepower. Compliance may be demonstrated through calculations performed as follows: multiply the emission factor in AP-42, Chapter 3.3, Table 3.3-1, revised 10/96 (0.00220 lb/hp-hr) by the actual operating horsepower.

If required, the permittee shall demonstrate compliance with this emissions limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

z. Emission Limitation:

The emissions of PM10 shall not exceed 1.00 ton as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (0.96 lb/hr PM10) by the actual rolling, 12-month summation of the total hours of operation

and divide by 2,000 pounds per ton.

aa. Emission Limitation:

The emissions of $SO_2$ shall not exceed 0.5 pound per mmBtu of actual heat input.

Applicable Compliance Method:

Compliance may be demonstrated through the emission factor in AP-42, Chapter 3.3, Table 3.3-1, revised 10/96 (0.29 lb/mmBtu).

If required, the permittee shall demonstrate compliance with this emissions limitation using Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-18-04(E) and (F). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

bb. Emission Limitation:

The emissions of $SO_2$ shall not exceed 0.90 pound per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum operating load of 438 horsepower. Compliance may be demonstrated through calculations performed as follows: multiply the emission factor in AP-42, Chapter 3.3, Table 3.3-1, revised 10/96 (0.00205 lb/hp-hr) by the actual operating horsepower.

If required, the permittee shall demonstrate compliance with this emissions limitation using Methods 1 through 4 and 6 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-18-04(E) and (F). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

cc. Emission Limitation:

The emissions of $SO_2$ shall not exceed 0.93 ton as a rolling, 12-month summation.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (0.90 lb/hr $SO_2$) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.

dd. Emission Limitations:

The emissions of VOC shall not exceed 1.10 pounds per hour.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at the maximum operating load of 438 horsepower. Compliance may be demonstrated through calculations performed as follows: multiply the emission factor in AP-42, Chapter 3.3, Table 3.3-1, revised 10/96 (0.00251 lb/hp-hr) by the actual operating horsepower.

If required, the permittee shall demonstrate compliance with this emissions limitation using Methods 1 through 4 and 25 or 25A of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-21-10. Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

ee. Emission Limitations:

The emissions of VOC shall not exceed 1.15 tons as a rolling, 12-month summation.

Emissions Unit ID: **P901**

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 2,080 hours per rolling, 12-month period. Compliance may be demonstrated through calculations performed as follows: multiply the hourly allowable emissions rate (1.10 lbs/hr VOC) by the actual rolling, 12-month summation of the total hours of operation and divide by 2,000 pounds per ton.

## F. Miscellaneous Requirements

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

   a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;

   b. the portable emissions unit is operating pursuant to a currently effective permit to install, permit to operate or registration;

   c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,

   d. in the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

   a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;

   b. the portable emissions unit is equipped with best available technology;

   c. the portable emission unit owner has identified the proposed site to Ohio EPA;

   d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;

f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and,

g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to section F.2. above, shall be valid for no longer than three years and are subject to renewal.

3. In order for the Toledo Division of Environmental Services and the appropriate Ohio EPA field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee shall file a "Notice of Intent to Relocate," within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Toledo Division of Environmental Services and the appropriate Ohio EPA field office having jurisdiction over the new site.

   Upon receipt of the notice, the Toledo Division of Environmental Services and/or appropriate Ohio EPA field office 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 of the emissions unit may result in 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.

4. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

   The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

5. The terms and conditions of this PTI A.1 through E.1 are federally enforceable.