State of Ohio Environmental Protection Agency

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

Street Address:
50 West Town Street, Suite 700
Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329
Mailing Address:
Lazarus Gov. Center
P.O. Box 1049

Application No: 06-08276
Fac ID: 0641090279
DATE: 9/4/2007

Ewusiak Development LLC Cardinal
Patrick Bennett
PO Box 252B
Colliers, WV 26035

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** **SEDO**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install	**Issue Date: 9/4/2007**
Terms and Conditions	**Effective Date: 9/4/2007**

FINAL PERMIT TO INSTALL 06-08276

Application Number:	06-08276
Facility ID:	0641090279
Permit Fee:	**$1300**
Name of Facility:	Ewusiak Development LLC Cardinal
Person to Contact:	Patrick Bennett
Address:	PO Box 252B Colliers, WV 26035

Location of proposed air contaminant source(s) [emissions unit(s)]:
306 County Road 7 East
Brilliant, **Ohio**

Description of proposed emissions unit(s):
Aggregate processing plant.

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

Chris Korleski
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 (i.e., postmarked) quarterly 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
NOx	24.99
CO	5.39
SO2	1.65
VOC	2.02
PE (stack)	1.77

PE (fugitive)	17.23

Issued: 9/4/2007

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 - Unpaved Roadways and Parking Areas - two road segments of 0.25 miles each (Portable with Ewusiak Cardinal crushing and screening operations)

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Fugitive particulate emissions (PE) shall not exceed 8.90 tons per year. See section A.2.a below.
OAC rule 3745-17-07(B)(5) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	No visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed thirteen minutes during any sixty minute observation period.
OAC rule 3745-17-08(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The permittee shall utilize reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See sections A.2.b through A.2.f).

2. Additional Terms and Conditions

2.a Permit to Install 06-08276 for this air contaminant source takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):

To treat the unpaved roadways and parking areas with water at sufficient treatment frequencies to achieve 95% control efficiency.

2.b The permittee shall employ reasonably available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.c The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

2.d Any unpaved roadway, which during the term of this permit is paved or takes on the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled using appropriate dust control measures for paved roadways. Any unpaved roadway that takes on the characteristics of a paved surface due to the application of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways. Any unpaved area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas. There shall be no visible particulate emissions from any paved roadway or parking area except for a period of time not to exceed six minutes during any sixty minute observation period.

2.e 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.f 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.

B. Operational Restrictions

Emissions Unit ID: **F001**

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform daily inspections of all roadways and parking areas.

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 kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, 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 deviation reports, in accordance with the reporting requirements of the General Terms and Conditions of this permit, 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.

E. Testing Requirements

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

   a. Emission Limitations:
   Fugitive particulate emissions (PE) shall not exceed 8.90 tons per year.

   Applicable Compliance Method:
   Compliance shall be determined based on the emission factor calculation for unpaved roadways and parking areas in AP-42 section 13.2.2, (11/06). Initial compliance has been determined utilizing inputs representing current conditions as follows:

   $EF= [k(s/12)^a(W/3)^b[(365-p)/365)]$

   Where:

   EF = size-specific emission factor (lb/VMT)
   s = silt content of road surface material (%) = 7.5 %
   W = mean vehicle weight (tons) = 57
   a = constant (dimensionless) = 0.7
   b = constant (dimensionless) = 0.45
   k = particle size multiplier (dimensionless) =4.9
   p = number of rain days per year >0.01 in. = 150

   Therefore, EF = 7.81 lb/VMT

   Maximum travel = 45,552 VMT/year

   (45,552 VMT/year)(7.81 lb/VMT)(1 ton/2000 lbs) = 177.98 TPY uncontrolled PE

   Assume 95% control efficiency for roadway watering (engineering estimate of permittee)
   (177.98 TPY) (0.05) = 8.90 TPY controlled PE

   b. Emission Limitation Method:

   There shall be no visible particulate emissions from any unpaved

roadway or parking area except for a period of time not to exceed thirteen minutes during any sixty minute observation period.

Applicable Compliance Method:

If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(C) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate exemption requirements have been met. The director may issue a "Notice of Site Approval" for either of the following situations: the permittee notifies the director a minimum of 30 days prior to relocating pursuant to OAC rule 3745-31-03(A)(1)(p)(i); or the permittee identifies pre-disclosed location(s) that meet the criteria found in OAC rule 3745-31-05(E).

2. Pursuant to OAC rules 3745-31-03(A)(1)(p)(i), 3745-31-03(A)(1)(p)(ii), and 3745-31-05(E), the following criteria must be met for all portable facilities seeking approval for relocation:

   a. the portable source must possess an issued permit to install (PTI) and demonstrate continuing compliance with any applicable best available technology determination and state and/or federal air pollution rule or law; and,

   b. the portable source is operating pursuant to a currently effective PTI and/or any applicable permit to operate (PTO) and demonstrates continuing compliance with the requirements of the permit(s).

3. In order to relocate a portable source in accordance with OAC rule 3745-31-03(A)(1)(p)(i) (i.e. the 30-day option), the following additional criteria must be met:

   a. the permittee has provided proper notice of intent to relocate the portable source to the permitting District Office/Local air agency a minimum of thirty days prior to the scheduled relocation;

   b. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the emissions

would not cause a nuisance in violation of OAC rule 3745-15-07, and that the relocation of the portable source would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site; and

c. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07, and that the relocation will not result in the installation or the modification of a major stationary source.

Using the 30-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval".

4. In order to relocate a portable source in accordance with OAC rules 3745-31-03(A)(1)(p)(ii) and 3745-31-05(E) (i.e. the 15-day option), the following additional criteria must be met:

a. the portable source owner has identified the proposed site(s) to the permitting District Office/Local air agency;

b. the owner of the proposed site(s) (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site(s);

c. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the portable source will have an acceptable environmental impact at the proposed site(s);

d. a public notice, consistent with OAC rule 3745-47, has been published in the county where the proposed site(s) is/are located;

e. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

Using the 15-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval", and following submittal of the 15-day written notice of the relocation. Any site approvals issued pursuant to OAC rule 3745-05(E) shall be valid for no longer than 3 years and are subject to renewal. Also, 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.

5. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

6. When a portable source is co-located at a stationary source, or is co-located with multiple portable sources, potential emissions from the portable source may be required to be combined for facility potential to emit calculations for Title V and PSD applicability. If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01 (KKK) and (III), the permittee shall submit an application and obtain a PTI for the new location prior

to moving the portable source. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745- 77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

Issued: 9/4/2007

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 - Storage Piles - two piles of strip mine overburden 0.03 acres each, max throughput of 3,284,600 tons (Portable with Ewusiak Cardinal crushing and screening operations)

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Fugitive PE shall not exceed 2.93 tons per year. See section A.2.a below.
OAC rule 3745-17-07(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	No visible particulate emissions from any material storage pile except for a period of time not to exceed thirteen minutes during any sixty minute observation period.
OAC rule 3745-17-08(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The permittee shall utilize reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See sections A.2.b through A.2.e).

2. Additional Terms and Conditions

2.a Permit to Install 06-08276 for this air contaminant source takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):

To treat storage piles with water, utilizing water sprays/sprinkling systems at sufficient treatment frequencies to achieve 80% control efficiency.

2.b The permittee shall employ reasonably 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 control fugitive emissions by utilizing water sprays/sprinkling systems at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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

2.d The permittee shall employ reasonably 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 watering storage piles to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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

B. Operational Restrictions

None

Emissions Unit ID: **F002**

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

   a. Emission Limitation:
   Fugitive PE shall not exceed 2.93 tons per year.

   Compliance Method:
   Compliance shall be determined based on the emission factor calculation for drop operations associated with storage piles in AP-42 section 13.2.4 (11/06).

   Initial compliance has been determined using inputs representing current conditions as follows:

   $EF = k\ (0.0032)\ [(U/5)^{1.3} / (M/2)^{1.4})]$

   Where:

   EF = emission factor expressed in pounds per ton (lbs/ton)
   k = particle size multiplier for TSP (dimensionless) = 0.74
   U = mean wind speed expressed in miles per hour (MPH) = 10
   M= material moisture content (%) = 4.0

Therefore, EF = 0.0022 lbs/ton

maximum annual load-in throughput = 3,284,600 tons/year
maximum annual load-out throughput = 3,284,600 tons/year
[(2 load-in activities) (3,284,600 tons/year) (0.0022 lb PE/ton) + (2 load-out activities) (3,284,600 tons/year)(0.0022 lb PE/ton)]/ 2000lb/ton
= 14.36 TPY of uncontrolled PE

Assume 80% control for watering
(14.36 TPY) (.20) = 2.87 TPY of controlled PE; and

the emission factor calculation for wind erosion from storage piles found in USEPA's Control of Open Fugitive Dust Sources (9/88). Initial compliance has been determined using inputs representing current conditions as follows:

EF = (1.7) (s/1.5) ((365-p)/235)) (f/15)

Where:

E= emission factor in pounds (lbs)/day/acre
s = silt content of road surface material (%) = 7.5%
p= number of rain days per year >0.01 in. = 150
f = percentage of time that wind speed exceeds 12 mph (%) = 50
A= total surface area of storage piles (acres) = 0.06

Therefore, EF= 25.92 lbs/day/acre

[(25.92 lbs/day/acre)(365 days/yr)(0.06 acres)]/2000 lbs/ton = 0.28 TPY uncontrolled PE

Assume 80% control for watering (RACM table 2.18-2)
(0.28 TPY) (0.20) = 0.06 TPY controlled PE

<u>TOTAL EMISSION SUMMARY</u>
Load-out = 2.87 TPY
Wind erosion = 0.06 TPY

Total emissions = 2.93 TPY

b. <u>Emission Limitation Method</u>:

There shall be no visible particulate emissions from any material storage pile except for a period of time not to exceed thirteen minutes during any sixty minute observation period.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(C) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate exemption requirements have been met. The director may issue a "Notice of Site Approval" for either of the following situations: the permittee notifies the director a minimum of 30 days prior to relocating pursuant to OAC rule 3745-31-03(A)(1)(p)(i); or the permittee identifies pre-disclosed location(s) that meet the criteria found in OAC rule 3745-31-05(E).

2. Pursuant to OAC rules 3745-31-03(A)(1)(p)(i), 3745-31-03(A)(1)(p)(ii), and 3745-31-05(E), the following criteria must be met for all portable facilities seeking approval for relocation:

   a. the portable source must possess an issued permit to install (PTI) and demonstrate continuing compliance with any applicable best available technology determination and state and/or federal air pollution rule or law; and,

   b. the portable source is operating pursuant to a currently effective PTI and/or any applicable permit to operate (PTO) and demonstrates continuing compliance with the requirements of the permit(s).

3. In order to relocate a portable source in accordance with OAC rule 3745-31-03(A)(1)(p)(i) (i.e. the 30-day option), the following additional criteria must be met:

   a. the permittee has provided proper notice of intent to relocate the portable source to the permitting District Office/Local air agency a minimum of thirty days prior to the scheduled relocation;

   b. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the emissions

would not cause a nuisance in violation of OAC rule 3745-15-07, and that the relocation of the portable source would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site; and

c. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07, and that the relocation will not result in the installation or the modification of a major stationary source.

Using the 30-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval".

4. In order to relocate a portable source in accordance with OAC rules 3745-31-03(A)(1)(p)(ii) and 3745-31-05(E) (i.e. the 15-day option), the following additional criteria must be met:

a. the portable source owner has identified the proposed site(s) to the permitting District Office/Local air agency;

b. the owner of the proposed site(s) (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site(s);

c. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the portable source will have an acceptable environmental impact at the proposed site(s);

d. a public notice, consistent with OAC rule 3745-47, has been published in the county where the proposed site(s) is/are located;

e. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

Using the 15-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval", and following submittal of the 15-day written notice of the relocation. Any site approvals issued pursuant to OAC rule 3745-05(E) shall be valid for no longer than 3 years and are subject to renewal. Also, 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.

5. Failure to submit said notification or failure to receive Ohio EPA approval prior to

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

6. When a portable source is co-located at a stationary source, or is co-located with multiple portable sources, potential emissions from the portable source may be required to be combined for facility potential to emit calculations for Title V and PSD applicability. If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01 (KKK) and (III), the permittee shall submit an application and obtain a PTI for the new location prior

to moving the portable source. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745- 77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

Issued: 9/4/2007

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 - Crusher - 500 ton/hr Terex Pegson 1412 Trakpactor portable Crusher, with attached 400hp diesel engine

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
500 TPH Crusher	
OAC rule 3745-31-05(C)	Fugitive particulate emissions shall not exceed 1.79 tons per year. See section A.2.a below.
40 CFR Part 60 Subpart OOO	Visible emissions of fugitive dust discharging from the crusher shall not exceed 15% opacity. Visible emissions of fugitive dust discharging from the transfer points and conveyors shall not exceed 10% opacity.
OAC rule 3745-17-07(B)(1) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60 Subpart OOO.
OAC rules 3745-17-08(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The permittee shall utilize reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See sections A.2.b through A.2.d).
400 HP attached diesel generator	

Emissions Unit ID: **P901**

OAC rule 3745-31-05(C) (synthetic minor to avoid TV and state modeling)	Emissions shall not exceed the following, as a rolling, 12-month summation: 9.26 tons nitrogen oxides (NOx); 1.99 tons carbon monoxide (CO); 0.61 tons sulfur dioxide (SO_2); 0.75 tons volatile organic carbons (VOC); and 0.66 tons particulate emissions (stack PE). See Section B.1 and section A.2.a. below.
OAC rule 3745-17-11(B)(5)(a)	Emissions shall not exceed 0.310 lb PE/million Btu of actual heat input.
OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule.
OAC rule 3745-18-06(G)	Exempt. See Section A.2.e below.

2. Additional Terms and Conditions

2.a Permit to Install 06-08276 for this air contaminant source takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):

i. Hours of operation limited to 1,493 per year to limit potential NOx emissions.

ii. The use of wet suppression to control potential fugitive PE emissions.

2.b The material handling operations that are covered by this permit and subject to the above-mentioned requirements are listed below:

load-in to crusher
grizzly
crusher
conveyors (two)

2.c The permittee shall employ reasonably available control measures for the material handling operations listed above, for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain

sufficient moisture content of the material, using water sprays as necessary, to maintain compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.d 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.e This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).

B. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 1,493 hours, based upon a rolling, 12 month summation.

   To ensure enforceability during the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the operating hours levels specified in the following table:

Month(s)	Maximum Allowable Cumulative Operating Hours
1	730
1-2	1,460
1-3	1,493
1-4	1,493
1-5	1,493
1-6	1,493
1-7	1,493
1-8	1,493
1-9	1,493
1-10	1,493
1-11	1,493
1-12	1,493

After the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, compliance with the annual operating hours limitation shall be based upon a rolling, 12 month summation of the operating hours.

2. The permittee shall burn only number two fuel oil in this emissions unit.

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

material handling operation(s)	minimum inspection frequency
load-in to crusher	Daily
grizzly	Daily
crusher	Daily
conveyors (two)	Daily

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

2. For materials handling operations 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 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.

   The information in 2.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.

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

   a. the operating hours for each month; and

   b. beginning after the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the rolling, 12 month summation of the operating hours.

Also, during the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the permittee shall record the cumulative operating hours for each calendar month.

4. For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. For material handling operations the permittee shall submit deviation reports that identify any of the following occurrences:

   a. each day during which an inspection was not performed by the required frequency; and,

   b. each instance when a control measure, that was to be performed 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.

3. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12 month limitation on the hours of operation; and for the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, all exceedances of the maximum allowable cumulative hours of operation. These reports shall be submitted in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit.

4. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

5. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at appropriate times:

   a. construction date (no later than 30 days after such date);

b. actual start-up date (within 15 days after such date); and

c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC- Permit Management Unit
50 West Town Street, Suite 700
PO Box 1049
Columbus, Ohio 43216-1049

and

Ohio EPA Southeast District Office
Division of Air Pollution Control
2195 Front Street
Logan, Ohio 43138.

E. Testing Requirements

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

a. Emission Limitation:
Fugitive particulate emissions shall not exceed 1.79 tons per year.

Applicable Compliance Method:
Compliance with the annual emission limitation shall be demonstrated by the following calculations based on the emission factors in AP-42 sections 13.2.4 (11/06) and 11.19.2 (8/04); and the maximum annual throughput of 746,500 TPY (Based on 1,493 hrs of operation restriction).

Transfer Points, Grizzly, and Crusher

maximum annual throughput = (hours of operation)(maximum plant throughput in tons per hour)=(1493 hr/yr)(500 ton/hr)=746,500 ton/yr

PE = [[(# transfer points)(transfer points EF)(Max Annual Total)] + [(Screening

EF(grizzly))(Max Annual Tons)]+[(Crushing EF)(Max Annual Tons)]]/2000 lbs/ton
PE = [[(2)(0.00014 lbs/ton)(746,500 TPY)] + [(0.0022 lbs/ton)(746,500 TPY)] + [(0.0012 lbs/tons)(746,500 TPY)]]/ 2000lbs/ton
= 1.37 TPY controlled PE

<u>Load-In to Crusher</u>

$EF = k\ (0.0032)\ [(U/5)^{1.3} / (M/2)^{1.4})]$

Where:

EF = emission factor expressed in pounds per ton (lbs/ton)
k = particle size multiplier for TSP (dimensionless) = 0.74
U = mean wind speed expressed in miles per hour (MPH) = 10
M= material moisture content (%) = 4.00

Therefore, EF = 0.002209 lbs/ton

maximum annual load-in throughput = 746,500 TPY

PE = [(0.002209 lb/ton)(746,500 TPY)]/2000lbs/ton
= 0.82TPY uncontrolled PE

Assume 50% control for watering (RACM Table 2.1.3-3)
(0.82 TPY)(0.5) = 0.41 controlled PE

Total Aggregate Handling = Transfer Points and Crusher + Load-In to Crusher
= 1.37 TPY + 0.41 TPY
= 1.79 TPY controlled fugitive PE.

b. Emission Limitation:
Visible emissions of fugitive dust discharging from the transfer points, or conveyors, shall not exceed 10% opacity.

Applicable Compliance Method:
The permittee shall demonstrate compliance with this emission limitation in accordance with Method 9 of 40 CFR Part 60, Appendix A. See Section E.2.

c. Emission Limitation:
Visible emissions of fugitive dust discharging from the crusher shall not exceed 15% opacity.

Applicable Compliance Method:
The permittee shall demonstrate compliance with this emission limitation in accordance with Method 9 of 40 CFR Part 60, Appendix A. See Section E.2.

d. Emission Limitation**:**
Emissions of NO_x shall not exceed 9.26 tons as a rolling, 12-month summation.

Compliance Method**:**
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly NO_x emission rate by the total number of hours of operation during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.031 lb/HP-hr) by the maximum rated

capacity of P901 (400 HP).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Methods 1-4 and Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

e. Emission Limitation:
Emissions of CO shall not exceed 1.99 tons, as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly CO emission rate by the total number of hours of operation during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.00668 lb/HP-hr) by the maximum rated capacity of P901 (400 HP).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-4 and Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

f. Emission Limitation:
Emissions of VOC shall not exceed 0.75 ton, as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly VOC emission rate by the total number of hours operated during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.36 lb/million Btu) by the maximum rated capacity of P901 (2.8 Million Btu/hr).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-4 and Method 18, 25, or 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

g. Emission Limitation:
Emissions of SO_2 shall not exceed 0.61 ton, as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly SO_2 emission rate by the total number of hours operated during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.00205 lb/HP-hr) by the maximum rated capacity of P901 (400 HP).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-4 and Method 6. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

h. Emission Limitation:
Particulate emissions shall not exceed 0.66 ton, as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly PE emission rate by the total number of hours operated during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-2, 10/1996 (0.0022 lb/HP-hr) by the rated capacity of P901 (400 HP).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-5. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

i. Emission Limitation:
Particulate emissions shall not exceed 0.310 lb/million Btu actual heat input.

Applicable Compliance Method:
Compliance shall be based upon an emission factor of 0.31 lb/million Btu. This

emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

j. Emission Limitation:
Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Method 9 of 40 CFR 60 , Appendix A.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 180 days of start-up of the emissions unit.

b. The emissions testing shall be conducted to demonstrate compliance with the visible emission limitations for fugitive emissions for each crusher, screening operation, transfer point, and conveyor as specified in Section A.2.b of this permit, and in accordance with the requirements of 40 CFR Part 60.675.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable emission rate(s): for visible emissions, Method 9 of 40 CFR 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Southeast District Office.

e. No later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Southeast District Office. 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, Southeast District Office's refusal to accept the results of the emissions test(s).

f. Personnel from the Ohio EPA, Southeast District Office 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.

g. 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 Ohio EPA, Southeast District Office within 30 days following completion of test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Southeast District Office.

F. Miscellaneous Requirements

1. At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate exemption requirements have been met. The director may issue a "Notice of Site Approval" for either of the following situations: the permittee notifies the director a minimum of 30 days prior to relocating pursuant to OAC rule 3745-31-03(A)(1)(p)(i); or the permittee identifies pre-disclosed location(s) that meet the criteria found in OAC rule 3745-31-05(E).

2. Pursuant to OAC rules 3745-31-03(A)(1)(p)(i), 3745-31-03(A)(1)(p)(ii), and 3745-31-05(E), the following criteria must be met for all portable facilities seeking approval for relocation:

   a. the portable source must possess an issued permit to install (PTI) and demonstrate continuing compliance with any applicable best available technology determination and state and/or federal air pollution rule or law; and,

   b. the portable source is operating pursuant to a currently effective PTI and/or any applicable permit to operate (PTO) and demonstrates continuing compliance with the requirements of the permit(s).

3. In order to relocate a portable source in accordance with OAC rule 3745-31-03(A)(1)(p)(i) (i.e. the 30-day option), the following additional criteria must be

met:

a. the permittee has provided proper notice of intent to relocate the portable source to the permitting District Office/Local air agency a minimum of thirty days prior to the scheduled relocation;

b. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the emissions would not cause a nuisance in violation of OAC rule 3745-15-07, and that the relocation of the portable source would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site; and

c. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07, and that the relocation will not result in the installation or the modification of a major stationary source.

Using the 30-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval".

4. In order to relocate a portable source in accordance with OAC rules 3745-31-03(A)(1)(p)(ii) and 3745-31-05(E) (i.e. the 15-day option), the following additional criteria must be met:

a. the portable source owner has identified the proposed site(s) to the permitting District Office/Local air agency;

b. the owner of the proposed site(s) (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site(s);

c. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the portable source will have an acceptable environmental impact at the proposed site(s);

d. a public notice, consistent with OAC rule 3745-47, has been published in the county where the proposed site(s) is/are located;

e. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

Using the 15-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval", and following submittal of the 15-day written notice of the relocation. Any site approvals issued pursuant to OAC rule 3745-05(E) shall be valid for no longer than 3 years and are subject to renewal. Also, 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.

5. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

6. When a portable source is co-located at a stationary source, or is co-located with multiple portable sources, potential emissions from the portable source may be required to be combined for facility potential to emit calculations for Title V and PSD applicability. If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01 (KKK) and (III), the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745- 77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

Issued: 9/4/2007

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 - P902 - Portable 800 ton/hr Primary screener - Terex Powerscreen Horizon 6203 with attached 300hp diesel engine.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
800 TPH Screener	
OAC rule 3745-31-05(C)	Fugitive particulate emissions shall not exceed 2.06 tons per year See section A.2.a below.
40 CFR Part 60 Subpart OOO	Visible emissions of fugitive dust discharging from the screening operations, transfer points, and conveyors, shall not exceed 10% opacity.
OAC rule 3745-17-07(B)(1) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60 Subpart OOO.
OAC rules 3745-17-08(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The permittee shall utilize reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See sections A.2.b through A.2.d).
300 HP attached diesel engine	

OAC rule 3745-31-05(C) (synthetic minor to avoid Title V and state modeling)	Emissions shall not exceed the following as a rolling, 12-month summation: 6.94 tons nitrogen oxides (NOx); 1.50 tons carbon monoxide (CO); 0.46 tons sulfur dioxide (SO_2); 0.56 tons volatile organic compounds (VOC); and 0.49 tons particulate emissions (stack PE). See Section B.1 and section A.2.a. below
OAC rule 3745-17-11(B)(5)(a)	Emissions shall not exceed 0.310 lb PE/million Btu of actual heat input.
OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule.
OAC rule 3745-18-06(G)	Exempt. See Section A.2.e below.

2. Additional Terms and Conditions

2.a Permit to Install 06-08276 for this air contaminant source takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):

i. Hours of operation limited to 1,493 per year to limit potential NOx emissions.

ii. The use of wet suppression to control potential fugitive PE emissions.

2.b The material handling operations that are covered by this permit and subject to the above-mentioned requirements are listed below:

load-in to screen
screen
conveyor

2.c The permittee shall employ reasonably available control measures for the material handling operations listed above, for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance

with the permittee's permit application, the permittee has committed to maintain sufficient moisture content of the material, using water sprays as necessary, to maintain compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.d 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.e This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).

B. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 1,493 hours, based upon a rolling, 12 month summation.

   To ensure enforceability during the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the operating hours levels specified in the following table:

Month(s)	Maximum Allowable Cumulative Operating Hours
1	730
1-2	1,460
1-3	1,493
1-4	1,493
1-5	1,493
1-6	1,493
1-7	1,493
1-8	1,493
1-9	1,493
1-10	1,493
1-11	1,493
1-12	1,493

After the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, compliance with the annual operating hours limitation shall be based upon a rolling, 12 month summation of the operating hours.

2. The permittee shall burn only number two fuel oil in this emissions unit.

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

material handling operation(s)	minimum inspection frequency
load-in to screen	Daily
screen	Daily
conveyor	Daily

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

2. For materials handling operations 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 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.

   The information in 2.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.

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

a. the operating hours for each month; and

b. beginning after the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the rolling, 12 month summation of the operating hours.

Also, during the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the permittee shall record the cumulative operating hours for each calendar month.

4. For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. For material handling operations the permittee shall submit deviation reports that identify any of the following occurrences:

   a. each day during which an inspection was not performed by the required frequency; and,

   b. each instance when a control measure, that was to be performed 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.

3. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12 month limitation on the hours of operation; and for the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, all exceedances of the maximum allowable cumulative hours of operation. These reports shall be submitted in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit.

4. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

5. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at appropriate times:

   a. construction date (no later than 30 days after such date);

   b. actual start-up date (within 15 days after such date); and

   c. date of performance testing (if required, at least 30 days prior to testing).

   Reports are to be sent to:

   Ohio Environmental Protection Agency
   DAPC- Permit Management Unit
   50 West Town Street, Suite 700
   PO Box 1049
   Columbus, Ohio 43216-1049

   and

   Ohio EPA Southeast District Office
   Division of Air Pollution Control
   2195 Front Street
   Logan, Ohio 43138.

E. Testing Requirements

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

   a. Emission Limitation:
   Fugitive particulate emissions shall not exceed 2.06 tons per year.

   Applicable Compliance Method:
   Compliance with the annual emission limitation shall be demonstrated by the following calculations based on the emission factors in AP-42 sections 13.2.4 (11/06) and 11.19.2 (8/04); and the maximum annual throughput of 1,194,400 TPY (Based on 1493 hrs of operation restriction).

   Transfer Points and Screen

   maximum annual throughput = (hours of operation)(maximum plant throughput in tons per hour)=(1493 hr/yr)(800 ton/hr)=1,194,500 ton/yr

   PE = [[(# transfer points)(transfer points EF)(Max Annual Total)] + [(Screening EF)(Max Annual Tons)]]/2000 lbs/ton
   PE = [[(1)(0.00014 lbs/ton)(1,194,400 TPY)] + [(0.0022 lbs/ton)(1,194,400 TPY)]]/ 2000lbs/ton
   = 1.39 TPY controlled PE

   Load-In to Screen

   $EF = k\ (0.0032)\ [(U/5)^{1.3}/\ (M/2)^{1.4})]$

   Where:

   EF = emission factor expressed in pounds per ton (lbs/ton)
   k = particle size multiplier for TSP (dimensionless) = 0.74
   U = mean wind speed expressed in miles per hour (MPH) = 10
   M= material moisture content (%) = 4.00

   Therefore, EF = 0.002209 lbs/ton

   maximum annual load-in throughput = 1,194,400 TPY

PE = [(0.002209 lb/ton)(1,194,400 TPY)]/2000lbs/ton
= 1.32 TPY uncontrolled PE

Assume 50% control for watering (RACM Table 2.1.3-3)
(1.32 TPY)(0.5) = 0.66 controlled PE

Total Aggregate Handling = Transfer Points and Screen + Load-In to Screen
= 1.39 TPY + 0.66 TPY
= 2.06 TPY controlled fugitive PE.

b. Emission Limitation:
Visible emissions of fugitive dust discharging from the screening operation, transfer points, or conveyors, shall not exceed 10% opacity.

Applicable Compliance Method:
The permittee shall demonstrate compliance with this emission limitation in accordance with Method 9 of 40 CFR Part 60, Appendix A. See Section E.2.

c. Emission Limitation**:**
Emissions of NO_x shall not exceed 6.97 tons as a rolling, 12-month summation.

Compliance Method**:**
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly NO_x emission rate by the total number of hours of operation during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.031 lb/HP-hr) by the maximum rated capacity of P902 (300 HP).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Methods 1-4 and Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

d. Emissions Limitation:
Emissions of CO shall not exceed 1.50 tons, as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated

by multiplying the hourly CO emission rate by the total number of hours of operation during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.00668 lb/HP-hr) by the maximum rated capacity of P902 (300 HP).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-4 and Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

e. Emission Limitation:
Emissions of VOC shall not exceed 0.57 ton, as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly VOC emission rate by the total number of hours operated during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.36 lb/Million Btu) by the maximum rated capacity of P902 (2.1 Million Btu/hr).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-4 and Method 18, 25, or 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

f. Emissions Limitation:
Emissions of SO_2 shall not exceed 0.46 ton, as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly SO_2 emission rate by the total number of hours operated during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.00205 lb/HP-hr) by the maximum rated capacity of P902 (300 HP).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-4 and Method 6. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

g. Emission Limitation:
Particulate emissions shall not exceed 0.49 ton, as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly PE emission rate by the total number of hours operated during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-2, 10/1996 (0.0022 lb/HP-hr) by the rated capacity of P902 (300 HP).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-5. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

h. Emission Limitation:
Particulate emissions shall not exceed 0.310 lb/million Btu actual heat input.

Applicable Compliance Method:
Compliance shall be based upon an emission factor of 0.31 lb/million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

i. Emission Limitation:
Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Method 9 of 40 CFR 60 , Appendix A.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

   a. The emission testing shall be conducted within 180 days of start-up of the emissions unit.

   b. The emissions testing shall be conducted to demonstrate compliance with the visible emission limitations for fugitive emissions for each crusher, screening operation, transfer point, and conveyor as specified in Section A.2.b of this permit, and in accordance with the requirements of 40 CFR Part 60.675.

   c. The following test method(s) shall be employed to demonstrate compliance with the allowable emission rate(s): for visible emissions, Method 9 of 40 CFR 60, Appendix A.

   d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Southeast District Office.

   e. No later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Southeast District Office. 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, Southeast District Office's refusal to accept the results of the emissions test(s).

   f. Personnel from the Ohio EPA, Southeast District Office 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.

   g. 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

Ohio EPA, Southeast District Office within 30 days following completion of test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Southeast District Office.

F. Miscellaneous Requirements

1. At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate exemption requirements have been met. The director may issue a "Notice of Site Approval" for either of the following situations: the permittee notifies the director a minimum of 30 days prior to relocating pursuant to OAC rule 3745-31-03(A)(1)(p)(i); or the permittee identifies pre-disclosed location(s) that meet the criteria found in OAC rule 3745-31-05(E).

2. Pursuant to OAC rules 3745-31-03(A)(1)(p)(i), 3745-31-03(A)(1)(p)(ii), and 3745-31-05(E), the following criteria must be met for all portable facilities seeking approval for relocation:

   a. the portable source must possess an issued permit to install (PTI) and demonstrate continuing compliance with any applicable best available technology determination and state and/or federal air pollution rule or law; and,

   b. the portable source is operating pursuant to a currently effective PTI and/or any applicable permit to operate (PTO) and demonstrates continuing compliance with the requirements of the permit(s).

3. In order to relocate a portable source in accordance with OAC rule 3745-31-03(A)(1)(p)(i) (i.e. the 30-day option), the following additional criteria must be met:

   a. the permittee has provided proper notice of intent to relocate the portable source to the permitting District Office/Local air agency a minimum of thirty days prior to the scheduled relocation;

   b. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the emissions would not cause a nuisance in violation of OAC rule 3745-15-07, and that the relocation of the portable source would not result in the installation of a major stationary source or a modification of an existing major stationary source at the

new site; and

c. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07, and that the relocation will not result in the installation or the modification of a major stationary source.

Using the 30-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval".

4. In order to relocate a portable source in accordance with OAC rules 3745-31-03(A)(1)(p)(ii) and 3745-31-05(E) (i.e. the 15-day option), the following additional criteria must be met:

   a. the portable source owner has identified the proposed site(s) to the permitting District Office/Local air agency;

   b. the owner of the proposed site(s) (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site(s);

   c. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the portable source will have an acceptable environmental impact at the proposed site(s);

   d. a public notice, consistent with OAC rule 3745-47, has been published in the county where the proposed site(s) is/are located;

   e. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

   Using the 15-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval", and following submittal of the 15-day written notice of the relocation. Any site approvals issued pursuant to OAC rule 3745-05(E) shall be valid for no longer than 3 years and are subject to renewal. Also, 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.

5. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

6. When a portable source is co-located at a stationary source, or is co-located with

multiple portable sources, potential emissions from the portable source may be required to be combined for facility potential to emit calculations for Title V and PSD applicability. If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01 (KKK) and (III), the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745- 77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

Emissions Unit ID: **P903**

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 - P903 - 400 ton/hr Secondary screener - Powerscreen Powertrack 1400 Portable Screener with attached 300hp diesel engine.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
400 TPH Screener	
OAC rule 3745-31-05(C)	Fugitive particulate emissions shall not exceed 1.03 tons per year. See section A.2.a below.
40 CFR Part 60 Subpart OOO	Visible emissions of fugitive dust discharging from the screening operations, transfer points, and conveyors, shall not exceed 10% opacity.
OAC rule 3745-17-07(B)(1) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60 Subpart OOO.
OAC rules 3745-17-08(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The permittee shall utilize reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See sections A.2.b through A.2.d).
300 HP attached diesel engine	

OAC rule 3745-31-05(C) (synthetic minor to avoid Title V and state modeling)	Emissions shall not exceed the following as a rolling, 12-month summation: 6.94 tons nitrogen oxides (NOx); 1.50 tons carbon monoxide (CO); 0.46 tons sulfur dioxide (SO_2); 0.56 tons volatile organic carbons (VOC); and 0.49 tons particulate emissions (stack PE). See Section B.1 and section A.2.a. below
OAC rule 3745-17-11(B)(5)(a)	Emissions shall not exceed 0.310 lb PE/million Btu of actual heat input.
OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule.
OAC rule 3745-18-06(G)	Exempt. See Section A.2.e below.

2. Additional Terms and Conditions

2.a Permit to Install 06-08276 for this air contaminant source takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):

i. Hours of operation limited to 1,493 per year to limit potential NOx emissions.

ii. The use of wet suppression to control potential fugitive PE emissions.

2.b The material handling operations that are covered by this permit and subject to the above-mentioned requirements are listed below:

load-in to screen
screen
conveyor

2.c The permittee shall employ reasonably available control measures for the material handling operations listed above, for the purpose of ensuring

compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain sufficient moisture content of the material, using water sprays as necessary, to maintain compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.d 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.e This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).

B. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 1,493 hours, based upon a rolling, 12 month summation.

To ensure enforceability during the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the operating hours levels specified in the following table:

Month(s)	Maximum Allowable Cumulative Operating Hours
1	730
1-2	1,460
1-3	1,493
1-4	1,493
1-5	1,493
1-6	1,493
1-7	1,493
1-8	1,493
1-9	1,493
1-10	1,493

1-11	1,493
1-12	1,493

After the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, compliance with the annual operating hours limitation shall be based upon a rolling, 12 month summation of the operating hours.

2. The permittee shall burn only number two fuel oil in this emissions unit.

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

material handling operation(s)	minimum inspection frequency
load-in to screen	Daily
screen	Daily
conveyor	Daily

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

2. For materials handling operations 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 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.

The information in 2.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.

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

   a. the operating hours for each month; and

   b. beginning after the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the rolling, 12 month summation of the operating hours.

Also, during the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the permittee shall record the cumulative operating hours for each calendar month.

4. For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. For material handling operations the permittee shall submit deviation reports that identify any of the following occurrences:

   a. each day during which an inspection was not performed by the required frequency; and,

   b. each instance when a control measure, that was to be performed 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.

3. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12 month limitation on the hours of operation; and for the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, all exceedances of the maximum allowable cumulative hours of operation. These reports shall be submitted in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit.

4. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

5. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at appropriate times:

   a. construction date (no later than 30 days after such date);

   b. actual start-up date (within 15 days after such date); and

c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC- Permit Management Unit
50 West Town Street, Suite 700
PO Box 1049
Columbus, Ohio 43216-1049

and

Ohio EPA Southeast District Office
Division of Air Pollution Control
2195 Front Street
Logan, Ohio 43138.

E. Testing Requirements

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

a. Emission Limitation:
Fugitive particulate emissions shall not exceed 1.03 tons per year.

Applicable Compliance Method:
Compliance with the annual emission limitation shall be demonstrated by the following calculations based on the emission factors in AP-42 sections 13.2.4 (11/06) and 11.19.2 (8/04); and the maximum annual throughput of 597,200 TPY (Based on 1493 hrs of operation restriction).

Transfer Points and Screen

maximum annual throughput = (hours of operation)(maximum plant throughput in tons per hour)=(1493 hr/yr)(400 ton/hr)=597,200 ton/yr

PE = [[(# transfer points)(transfer points EF)(Max Annual Total)] + [(Screening EF)(Max Annual Tons)]]/2000 lbs/ton
PE = [[(1)(0.00014 lbs/ton)(597,200 TPY)] + [(0.0022 lbs/ton)(597,200 TPY)]]/

2000lbs/ton
= 0.70 TPY controlled PE

Load-In to Screen

$EF = k\ (0.0032)\ [(U/5)^{1.3} / (M/2)^{1.4})]$

Where:

EF = emission factor expressed in pounds per ton (lbs/ton)
k = particle size multiplier for TSP (dimensionless) = 0.74
U = mean wind speed expressed in miles per hour (MPH) = 10
M= material moisture content (%) = 4.00

Therefore, EF = 0.002209 lbs/ton

maximum annual load-in throughput = 597,200 TPY

PE = [(0.002209 lb/ton)(746,500 TPY)]/2000lbs/ton
= 0.66TPY uncontrolled PE

Assume 50% control for watering (RACM Table 2.1.3-3)
(0.66 TPY)(0.5) = 0.33 controlled PE

Total Aggregate Handling = Transfer Points and Screen + Load-In to Screen
= 0.70 TPY + 0.33 TPY
= 1.03 TPY controlled fugitive PE.

b. Emission Limitation:
Visible emissions of fugitive dust discharging from the screening operation, transfer points, or conveyors, shall not exceed 10% opacity.

Applicable Compliance Method:
The permittee shall demonstrate compliance with this emission limitation in accordance with Method 9 of 40 CFR Part 60, Appendix A. See Section E.2.

c. Emission Limitation**:**
Emissions of NO_x shall not exceed 6.94 tons as a rolling, 12-month summation.

Compliance Method**:**

Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly NO_x emission rate by the total number of hours of operation during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.031 lb/HP-hr) by the maximum rated capacity of P903 (300 HP).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Methods 1-4 and Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

d. Emission Limitation:
Emissions of CO shall not exceed 1.50 tons, as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly CO emission rate by the total number of hours of operation during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.00668 lb/HP-hr) by the maximum rated capacity of P903 (300 HP).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-4 and Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

e. Emission Limitation:
Emissions of VOC shall not exceed 0.56 ton, as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly VOC emission rate by the total number of hours operated during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.36 lb/million Btu) by the maximum rated

capacity of P903 (2.1 million Btu/hr).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-4 and Method 18, 25, or 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

f. Emission Limitation:
Emissions of SO_2 shall not exceed 0.46 ton, as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly SO_2 emission rate by the total number of hours operated during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.00205 lb/HP-hr) by the maximum rated capacity of P903 (300 HP).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-4 and Method 6. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

g. Emission Limitation:
Particulate emissions shall not exceed 0.49 ton, as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly PE emission rate by the total number of hours operated during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-2, 10/1996 (0.0022 lb/HP-hr) by the rated capacity of P903 (300 HP).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-5. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

h. Emission Limitation:
Particulate emissions shall not exceed 0.310 lb/million Btu actual heat input.

Applicable Compliance Method:
Compliance shall be based upon an emission factor of 0.31 lb/million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

i. Emission Limitation:
Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Method 9 of 40 CFR 60 , Appendix A.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 180 days of start-up of the emissions unit.

b. The emissions testing shall be conducted to demonstrate compliance with the visible emission limitations for fugitive emissions for each crusher, screening operation, transfer point, and conveyor as specified in Section A.2.b of this permit, and in accordance with the requirements of 40 CFR Part 60.675.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable emission rate(s): for visible emissions, Method 9 of 40 CFR 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Southeast District Office.

e. No later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Southeast District Office. 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, Southeast District Office's refusal to accept the results of the emissions test(s).

f. Personnel from the Ohio EPA, Southeast District Office 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.

g. 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 Ohio EPA, Southeast District Office within 30 days following completion of test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Southeast District Office.

F. Miscellaneous Requirements

1. At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install

(PTI) providing the appropriate exemption requirements have been met. The director may issue a "Notice of Site Approval" for either of the following situations: the permittee notifies the director a minimum of 30 days prior to relocating pursuant to OAC rule 3745-31-03(A)(1)(p)(i); or the permittee identifies pre-disclosed location(s) that meet the criteria found in OAC rule 3745-31-05(E).

2. Pursuant to OAC rules 3745-31-03(A)(1)(p)(i), 3745-31-03(A)(1)(p)(ii), and 3745-31-05(E), the following criteria must be met for all portable facilities seeking approval for relocation:

   a. the portable source must possess an issued permit to install (PTI) and demonstrate continuing compliance with any applicable best available technology determination and state and/or federal air pollution rule or law; and,

   b. the portable source is operating pursuant to a currently effective PTI and/or any applicable permit to operate (PTO) and demonstrates continuing compliance with the requirements of the permit(s).

3. In order to relocate a portable source in accordance with OAC rule 3745-31-03(A)(1)(p)(i) (i.e. the 30-day option), the following additional criteria must be met:

   a. the permittee has provided proper notice of intent to relocate the portable source to the permitting District Office/Local air agency a minimum of thirty days prior to the scheduled relocation;

   b. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the emissions would not cause a nuisance in violation of OAC rule 3745-15-07, and that the relocation of the portable source would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site; and

   c. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07, and that the relocation will not result in the installation or the modification of a major stationary source.

   Using the 30-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval".

4. In order to relocate a portable source in accordance with OAC rules

3745-31-03(A)(1)(p)(ii) and 3745-31-05(E) (i.e. the 15-day option), the following additional criteria must be met:

a. the portable source owner has identified the proposed site(s) to the permitting District Office/Local air agency;

b. the owner of the proposed site(s) (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site(s);

c. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the portable source will have an acceptable environmental impact at the proposed site(s);

d. a public notice, consistent with OAC rule 3745-47, has been published in the county where the proposed site(s) is/are located;

e. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

Using the 15-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval", and following submittal of the 15-day written notice of the relocation. Any site approvals issued pursuant to OAC rule 3745-05(E) shall be valid for no longer than 3 years and are subject to renewal. Also, 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.

5. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

6. When a portable source is co-located at a stationary source, or is co-located with multiple portable sources, potential emissions from the portable source may be required to be combined for facility potential to emit calculations for Title V and PSD applicability. If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01 (KKK) and (III), the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745- 77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

Emissions Unit ID: **P903**

Issued: 9/4/2007

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 - P904 - Powerscreen M-85 Portable 500 ton/hr Radial Stacker (conveyor) with attached 80hp diesel engine.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Radial Stacker	
OAC rule 3745-31-05(C)	Fugitive particulate emissions shall not exceed 0.52 tons per year. See section A.2.a below.
40 CFR Part 60 Subpart OOO	Visible emissions of fugitive dust discharging from the screening operations, transfer points, and conveyors, shall not exceed 10% opacity.
OAC rule 3745-17-07(B)(1) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60 Subpart OOO.
OAC rules 3745-17-08(B) (applicable only if this emissions unit is located in an area identified in Appendix A of OAC rule 3745-17-08)	The permittee shall utilize reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See sections A.2.b through A.2.d).
80 HP attached diesel engine	

OAC rule 3745-31-05(C) (synthetic minor to avoid Title V and state modeling)	Emissions shall not exceed the following as a rolling, 12-month summation: 1.85 tons nitrogen oxides (NOx); 0.40 tons carbon monoxide (CO); 0.12 tons sulfur dioxide (SO_2); 0.15 tons volatile organic carbons (VOC); and 0.13 tons particulate emissions (stack PE). See Section B.1 and section A.2.a. below
OAC rule 3745-17-11(B)(5)(a)	Emissions shall not exceed 0.310 lb PE/million Btu of actual heat input.
OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule.
OAC rule 3745-18-06(G)	Exempt. See Section A.2.e below.

2. Additional Terms and Conditions

2.a Permit to Install 06-08276 for this air contaminant source takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):

i. Hours of operation limited to 1,493 per year to limit potential NOx emissions.

ii. The use of wet suppression to control potential fugitive PE emissions.

2.b The material handling operations that are covered by this permit and subject to the above-mentioned requirements are listed below:

Load-in to stacker
conveyors (two)

2.c The permittee shall employ reasonably available control measures for the material handling operations listed above, for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance

with the permittee's permit application, the permittee has committed to maintain sufficient moisture content of the material, using water sprays as necessary, to maintain compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.d 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.e This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).

B. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 1,493 hours, based upon a rolling, 12 month summation.

   To ensure enforceability during the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the operating hours levels specified in the following table:

Month(s)	Maximum Allowable Cumulative Operating Hours
1	730
1-2	1,460
1-3	1,493
1-4	1,493
1-5	1,493
1-6	1,493
1-7	1,493
1-8	1,493
1-9	1,493
1-10	1,493
1-11	1,493
1-12	1,493

After the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, compliance with the annual operating hours limitation shall be based upon a rolling, 12 month summation of the operating hours.

2. The permittee shall burn only number two fuel oil in this emissions unit.

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

material handling operation(s)	minimum inspection frequency
Load-in to stacker	Daily
conveyors (two)	Daily

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

2. For materials handling operations 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 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.

   The information in 2.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.

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

a. the operating hours for each month; and

b. beginning after the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the rolling, 12 month summation of the operating hours.

Also, during the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the permittee shall record the cumulative operating hours for each calendar month.

4. For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. For material handling operations the permittee shall submit deviation reports that identify any of the following occurrences:

   a. each day during which an inspection was not performed by the required frequency; and,

   b. each instance when a control measure, that was to be performed 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.

3. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12 month limitation on the hours of operation; and for the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, all exceedances of the maximum allowable cumulative hours of operation. These reports shall be submitted in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit.

4. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

5. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement

to report the following at appropriate times:

a. construction date (no later than 30 days after such date);

b. actual start-up date (within 15 days after such date); and

c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC- Permit Management Unit
50 West Town Street, Suite 700
PO Box 1049
Columbus, Ohio 43216-1049

and

Ohio EPA Southeast District Office
Division of Air Pollution Control
2195 Front Street
Logan, Ohio 43138.

E. Testing Requirements

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

   a. Emission Limitation:
   Fugitive particulate emissions shall not exceed 0.52 tons per year.

   Applicable Compliance Method:
   Compliance with the annual emission limitation shall be demonstrated by the following calculations based on the emission factors in AP-42 sections 13.2.4 (11/06) and 11.19.2 (8/04); and the maximum annual throughput of 746,500 TPY (Based on 1493 hrs or operation restriction).

   Transfer Points

   maximum annual throughput = (hours of operation)(maximum plant throughput in tons per hour)=(1493 hr/yr)(500 ton/hr)=746,500 ton/yr

   PE = [[(# transfer points)(transfer points EF)(Max Annual Total)]]/2000 lbs/ton
   PE = [[(2)(0.00014 lbs/ton)(746,500 TPY)]]/ 2000lbs/ton
   = 0.10 TPY controlled PE

   Load-In to Stacker

   $EF = k\ (0.0032)\ [(U/5)^{1.3}/\ (M/2)^{1.4})]$

   Where:

   EF = emission factor expressed in pounds per ton (lbs/ton)
   k = particle size multiplier for TSP (dimensionless) = 0.74
   U = mean wind speed expressed in miles per hour (MPH) = 10
   M= material moisture content (%) = 4.00

   Therefore, EF = 0.002209 lbs/ton

   maximum annual load-in throughput = 746,500 TPY

   PE = [(0.002209 lb/ton)(746,500 TPY)]/2000lbs/ton

Emissions Unit ID: **P904**

= 0.82TPY uncontrolled PE

Assume 50% control for watering (RACM Table 2.1.3-3)
(0.82 TPY)(0.5) = 0.41 controlled PE

Total Aggregate Handling = Transfer Points + Load-In to Stacker
= 0.10 TPY + 0.41 TPY
= 0.52 TPY controlled fugitive PE.

b. Emission Limitation:
Visible emissions of fugitive dust discharging from the screening operation, transfer points, or conveyors, shall not exceed 10% opacity.

Applicable Compliance Method:
The permittee shall demonstrate compliance with this emission limitation in accordance with Method 9 of 40 CFR Part 60, Appendix A. See Section E.2.

c. Emission Limitation:
Emissions of NO_x shall not exceed 1.85 tons as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly NO_x emission rate by the total number of hours of operation during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.031 lb/HP-hr) by the maximum rated capacity of P904 (80 HP).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Methods 1-4 and Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

d. Emission Limitation:
Emissions of CO shall not exceed 0.40 ton, as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly CO emission rate by the total number of hours of operation during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.00668 lb/HP-hr) by the maximum rated capacity of P904 (80 HP).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-4 and Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

e. Emission Limitation:
Emissions of VOC shall not exceed 0.15 ton, as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly VOC emission rate by the total number of hours operated during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.36 lb/million Btu) by the maximum rated capacity of P904 (0.56 million Btu/hr).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-4 and Method 18, 25, or 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

f. Emission Limitation:
Emissions of SO_2 shall not exceed 0.12 ton, as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly SO_2 emission rate by the total number of hours operated during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-1, 10/1996 (0.00205 lb/HP-hr) by the maximum rated capacity of P904 (80 HP).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-4 and Method 6. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

g. Emission Limitation:

Particulate emissions shall not exceed 0.13 ton, as a rolling, 12-month summation.

Compliance Method:
Compliance with the rolling, 12-month emission limitation shall be demonstrated by multiplying the hourly PE emission rate by the total number of hours operated during each rolling, 12-month period and dividing by 2000 lbs/ton.

The hourly emission rate shall be determined by multiplying the emission factor from AP-42, Table 3.3-2, 10/1996 (0.0022 lb/HP-hr) by the rated capacity of P904 (80 HP).

Emissions testing, if required, shall be conducted using the following test method: 40 CFR Part 60, Appendix A, Method 1-5. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Southeast District Office.

h. Emission Limitation:
Particulate emissions shall not exceed 0.310 lb/million Btu actual heat input.

Applicable Compliance Method:
Compliance shall be based upon an emission factor of 0.31 lb/million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

i. Emission Limitation:
Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Method 9 of 40 CFR 60 , Appendix A.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 180 days of start-up of the emissions unit.

b. The emissions testing shall be conducted to demonstrate compliance with the visible emission limitations for fugitive emissions for each crusher, screening operation, transfer point, and conveyor as specified in Section A.2.b of this permit, and in accordance with the requirements of 40 CFR Part 60.675.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable emission rate(s): for visible emissions, Method 9 of 40 CFR 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Southeast District Office.

e. No later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Southeast District Office. 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, Southeast District Office's refusal to accept the results of the emissions test(s).

f. Personnel from the Ohio EPA, Southeast District Office 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.

g. 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 Ohio EPA, Southeast District Office within 30 days following completion of test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Southeast District Office.

F. Miscellaneous Requirements

1. At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate exemption requirements have been met. The director may issue a "Notice of Site Approval" for either of the following situations: the permittee notifies the director a minimum of 30 days prior to relocating pursuant to OAC rule 3745-31-03(A)(1)(p)(i); or the permittee identifies pre-disclosed location(s) that meet the criteria found in OAC rule 3745-31-05(E).

2. Pursuant to OAC rules 3745-31-03(A)(1)(p)(i), 3745-31-03(A)(1)(p)(ii), and 3745-31-05(E), the following criteria must be met for all portable facilities seeking approval for relocation:

   a. the portable source must possess an issued permit to install (PTI) and demonstrate continuing compliance with any applicable best available technology determination and state and/or federal air pollution rule or law; and,

   b. the portable source is operating pursuant to a currently effective PTI and/or any applicable permit to operate (PTO) and demonstrates continuing compliance with the requirements of the permit(s).

3. In order to relocate a portable source in accordance with OAC rule 3745-31-03(A)(1)(p)(i) (i.e. the 30-day option), the following additional criteria must be met:

   a. the permittee has provided proper notice of intent to relocate the portable source to the permitting District Office/Local air agency a minimum of thirty days prior to the scheduled relocation;

   b. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the emissions would not cause a nuisance in violation of OAC rule 3745-15-07, and that the relocation of the portable source would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site; and

   c. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07, and that the relocation will not result in the installation or the modification of a major stationary source.

   Using the 30-day option, the portable source may only be relocated upon receipt of the

"Notice of Site Approval".

4. In order to relocate a portable source in accordance with OAC rules 3745-31-03(A)(1)(p)(ii) and 3745-31-05(E) (i.e. the 15-day option), the following additional criteria must be met:

   a. the portable source owner has identified the proposed site(s) to the permitting District Office/Local air agency;

   b. the owner of the proposed site(s) (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site(s);

   c. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the portable source will have an acceptable environmental impact at the proposed site(s);

   d. a public notice, consistent with OAC rule 3745-47, has been published in the county where the proposed site(s) is/are located;

   e. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

   Using the 15-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval", and following submittal of the 15-day written notice of the relocation. Any site approvals issued pursuant to OAC rule 3745-05(E) shall be valid for no longer than 3 years and are subject to renewal. Also, 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.

5. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

6. When a portable source is co-located at a stationary source, or is co-located with multiple portable sources, potential emissions from the portable source may be required to be combined for facility potential to emit calculations for Title V and PSD applicability. If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01 (KKK) and (III), the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745- 77-01, must also

meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.