



State of Ohio Environmental Protection Agency

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P.O. Box 1049  
Columbus, OH 43216-1049

**RE: DRAFT PERMIT TO INSTALL**

**RICHLAND COUNTY**

**Application No:** 03-16210

**Fac ID:** 0370000214

**CERTIFIED MAIL**

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
OOO	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

**DATE:** 9/30/2004

Mid-Ohio Resources, Inc.  
Uwe Seeler  
26673 Jelloway Road  
Danville, OH 43014

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$2400** will be due. Please do not submit any payment now.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Sincerely,

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

**PUBLIC NOTICE PUBLIC HEARING**  
**OHIO ENVIRONMENTAL PROTECTION AGENCY**  
**ISSUANCE OF DRAFT PERMIT TO INSTALL #03-16210 TO**  
**MID-OHIO RESOURCES, INC.**

Public notice is hereby given that the Ohio EPA - Division of Air Pollution Control (DAPC) has issued, on September 30, 2004 a draft Permit to Install (PTI) #03-16210 to Mid-Ohio Resources, Inc. for a sand and gravel processing plant and associated operations of mineral extraction, storage piles, and plant roadways.

The sand and gravel processing plant and associated operations are proposed to be located in Richland County at State Route 97 and Bixler Road, Bellville, Ohio.

Copies of the draft PTI are available for review at Ohio EPA's Northwest District Office, 347 North Dunbridge Road, Bowling Green, Ohio, (419) 352-8461. An Ohio EPA information session and public hearing concerning the draft PTI will be held on November 9, 2004 at St. Paul Lutheran Church, 48 Church St., Bellville, Ohio. The information session will begin at 7:00 PM. The public hearing will follow immediately and continue until all persons have had the opportunity to provide testimony related to the proposed permit.

All interested persons are entitled to attend or be represented and give written or oral comments on the draft permit at the hearing. Written comments must be received by Ohio EPA at the close of the business day on November 16, 2004. Comments received after this date will not be considered to be a part of the official record. Written comments may be submitted at the hearing or sent to: Jan Tredway of Ohio EPA's Northwest District Office, 347 North Dunbridge Road, Bowling Green, Ohio 43402.



**DRAFT PERMIT TO INSTALL 03-16210**

Application Number: 03-16210  
Facility ID: 0370000214  
Permit Fee: **To be entered upon final issuance**  
Name of Facility: Mid-Ohio Resources, Inc.  
Person to Contact: Uwe Seeler  
Address: 26673 Jelloway Road  
Danville, OH 43014

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**State Route 91 and Bixler Road  
Bellville, Ohio**

Description of proposed emissions unit(s):  
**Sand and gravel 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

Director

## Part I - GENERAL TERMS AND CONDITIONS

### A. Permit to Install General Terms and Conditions

#### 1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

#### 2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

#### 3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

#### 4. Inspections and Information Requests

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

Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

**5. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

**6. Permit Transfers**

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

**7. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

**8. Termination of Permit to Install**

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**9. Construction of New Sources(s)**

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

the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

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

**10. Public Disclosure**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

**11. Applicability**

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

**12. Best Available Technology**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

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

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

**14. Construction Compliance Certification**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

**15. Fees**

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

**B. Permit to Install Summary of Allowable Emissions**

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)  
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
PE	19.85

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

**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F001 - Plant roadways and parking areas.	OAC rule 3745-31-05 (A)(3)	8.90 tons of particulate emissions (PE)/year (fugitive)
paved roadways (See Section A.2.c)	OAC rule 3745-31-05 (A)(3)	no visible emissions except for a period of time not to exceed one minute during any 60-minute observation period
	OAC rule 3745-17-07 (B)	best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See Sections A.2.c, A.2.d, A.2.f, A.2.h, A.2.i, and A.2.j)
	OAC rule 3745-17-08 (B)	See Section A.2.b
		See Section A.2.a
unpaved roadways and parking areas (See Section A.2.c)	OAC rule 3745-31-05 (A)(3)	no visible emissions except for a period of time not to exceed three minutes during any 60-minute observation period
		best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.c, A.2.e, A.2.f, A.2.g, A.2.h, A.2.i, and A.2.j)

OAC rule 3745-17-07 (B)

See Section A.2.b

OAC rule 3745-17-08 (B)

See Section A.2.a

**2. Additional Terms and Conditions**

**2.a** The company is not located within an “Appendix A” area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

**2.b** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (B) pursuant to OAC rule 3745-17-07 (B)(11)(e).

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

paved roadways:

entrance road

unpaved roadways:

service road

haul road

unpaved parking areas:

parking area

**2.d** The permittee shall employ best available control measures on all paved roadways 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 paved roadways by watering and flushing at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

**2.e** The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee’s permit application, the permittee has committed to treat the unpaved roadways and parking areas with chemical dust suppressants

and/or 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.f The needed frequencies of implementation of the control measures shall be determine of this permit. Implementation of the control measures shall not be necessary for a paved roadway 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.g Any unpaved roadway or parking area, 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 with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.
- 2.h 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.i Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.j Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

**B. Operational Restrictions**

None

**C. Monitoring and/or Recordkeeping Requirements**

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

paved roadways

minimum inspection frequency

entrance road

once during each day of operation

unpaved roadways and parking areas

minimum inspection frequency

service road

once during each day of operation

haul road

once during each day of operation

parking area

once during each day of operation

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
3. The permittee may, upon receipt of written approval from the Northwest District Office, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
  - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
  - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
  - c. the dates the control measures were implemented; and
  - d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be 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 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:**  
8.90 tons of fugitive PE/year

**Applicable Compliance Method:**

The emission limitation was established by combining the uncontrolled emissions\* generated from paved and unpaved roadways and applying a control efficiency of 95% for use of best available control measures (watering, flushing, and use of chemical dust suppressants). Therefore, provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the ton per year PE limitation will be assumed.

\* Uncontrolled emissions were determined by using the maximum vehicle miles traveled and emission factors below:

paved - 4.45 lb/VMT [AP-42, Section 13.2.1.2 (12/03)] & 3,800 VMT  
unpaved - 14.65 lb/VMT and [AP-42 Section 13.2.2.2 (12/03)] & 23,150 VMT

- b. **Emission Limitation:**  
no visible emissions except for a period of time not to exceed one minute during any 60-minute observation period (paved roadways)

**Applicable Compliance Method:**

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

c. **Emission Limitation:**

no visible emissions except for a period of time not to exceed three minutes during any 60-minute observation period (unpaved roadways and parking areas)

**Applicable Compliance Method:**

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

**F. Miscellaneous Requirements**

1. The permittee shall not construct, install, or modify any emission units contained in PTI #03-16210 until authorization is received by the Ohio EPA for storm water discharges associated with construction activity under the National Pollutant Discharge Elimination System (NPDES).

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

**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F002 -Plant aggregate storage piles load-in and load-out of storage piles (See Section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)	3.49 tons of particulate emissions (PE)/year (fugitive)
	OAC rule 3745-31-05 (A)(3)	no visible emissions except for a period of time not to exceed one minute during any 60-minute observation period
	OAC rule 3745-17-07 (B)	best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See Sections A.2.d, A.2.e, and A.2.h)
	OAC rule 3745-17-08 (B)	See Section A.2.b
wind erosion from storage piles (See Section A.2.a for identification of storage piles)	OAC rule 3745-31-05 (A)(3)	See Section A.2.a
		no visible emissions except for a period of time not to exceed one minute during any 60-minute observation period.
	OAC rule 3745-17-07 (B)	best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See Sections A.2.f through A.2.h)
	OAC rule 3745-17-08 (B)	See Section A.2.b
		See Section A.2.a

## 2. Additional Terms and Conditions

- 2.a** The company is not located within an “Appendix A” area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).
- 2.b** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (B) pursuant to OAC rule 3745-17-07 (B)(11)(e).
- 2.c** The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:
- storage pile identification:
- all storage piles
- 2.d** The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee’s permit application, the permittee has committed to minimizing drop height and applying water, as necessary, 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 measures 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 measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during any such operation until further observation confirms that use of the measures is unnecessary.
- 2.f** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee’s permit application, the permittee has committed to applying water to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.g** The above-mentioned control measure 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 is necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

- 2.h** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-08 and 3745-31-05.

**B. Operational Restrictions**

None

**C. Monitoring and/or Recordkeeping Requirements**

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

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
all storage piles	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:

<u>storage pile identification</u>	<u>minimum load-out inspection frequency</u>
all storage piles	once during each day of operation

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:

<u>storage pile identification</u>	<u>minimum wind erosion inspection frequency</u>
all storage piles	once during each day of operation

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

6. The permittee may, upon receipt of written approval from the Northwest District Office, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
  - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
  - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
  - c. the dates the control measures were implemented; and
  - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

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

#### **D. Reporting Requirements**

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

#### **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:**  
3.49 ton of PE/year (fugitive) from storage piles

**Applicable Compliance Method:**

The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying a 95% control efficiency for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rate of 1,000,000 tons per year. Wind erosion emissions are based on a maximum surface area of 18 acres for all storage piles as listed in the permit application:

The emission rate was determined as follows:

- i. Load-in - emissions associated with load-in operations were established by multiplying a maximum load-in rate of 1,000,000 tons per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.041 lb PE/ton], applying a 95% control efficiency and dividing by 2000lbs/ton. (1.03 tons PE/yr)
- ii. Load-out - emissions associated with load-out operations were established by multiplying a maximum load-out rate of 1,000,000 tons per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.041 lb PE/ton], applying a 95% control efficiency and dividing by 2000 lb/ton. (1.03 tons PE/yr)
- iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 18 acres, the appropriate emission factor from USEPA's control of Open Fugitive Dust Sources (9/88) [8.71 lb PE/day/acre], a maximum operating schedule of 365 days per year and dividing by 2000 lb/ton and applying a 95% control efficiency. (1.43 ton PE/yr)

Therefore, provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the ton per year PE limitation will be assumed.

b. **Emission Limitation:**

No visible emissions except for a period of time not to exceed one minute during any 60-minute observation period.

**Applicable Compliance Method:**

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. The permittee shall not construct, install, or modify any emission units contained in PTI #03-16210 until authorization is received by the Ohio EPA for storm water discharges associated with construction activity under the National Pollutant Discharge Elimination System (NPDES).

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

**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F003 - mineral extraction (includes overburden removal, reclamation, and loading; sand and gravel loading)	OAC rule 3745-31-05(A)(3)	0.17 ton of particulate emissions (PE)/year (fugitive)  use of best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See Sections A.2.a. through A.2.d)  opacity restrictions (See Section A.2.e)
	OAC rule 3745-17-07(B)	See Section A.2.g
	OAC rule 3745-17-08(B)	See Section A.2.f

**2. Additional Terms and Conditions**

- 2.a The mineral extraction operations that are covered by this permit and subject to the above-mentioned requirements are listed below:

overburden removal, reclamation, and loading; sand and gravel loading

- 2.b The permittee shall employ best available control measures for the above-identified mineral extraction operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permit application, the permittee has committed to perform the following control measures to ensure compliance:

**mineral extraction operation**

overburden removal and reclamation

**control measure(s)**

minimize area of disturbed land surface, reclaim land surface as expeditiously as possible, maintenance

of inherent moisture content with water truck

overburden loading into trucks

prevent haul vehicle overloading, maintain low drop height from front end loader bucket

sand and gravel loading into trucks

prevent haul vehicle overloading, maintain low drop height from front end loader bucket

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

- 2.c For each mineral extraction operation, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the mineral extraction operation(s) until further observation confirms that use of the control measure(s) is unnecessary.
- 2.d Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
- 2.e Visible particulate emissions shall not exceed 20% opacity as a 3-minute average from the following mineral extraction operations: overburden removal and reclamation, sand and gravel loading into trucks, and overburden loading into trucks.
- 2.f The company is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).
- 2.g This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

**B. Operational Restrictions**

The permittee shall not process more than 1,000,000 tons of sand and gravel per year.

**C. Monitoring and/or Recordkeeping Requirements**

- 1. Except as otherwise provided in this section, for mineral extraction operations, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

mineral extraction operation

minimum inspection frequency

all

once per day of operation

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
3. The permittee may, upon receipt of written approval from the Ohio EPA Northwest District Office, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
  - a. the date and reason any required inspection was not performed;
  - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
  - c. the dates the control measure(s) was (were) implemented; and
  - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 4.d. shall be kept separately for each mineral extraction operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

5. The permittee shall maintain monthly records of the quantity of sand and gravel processed at the plant, in tons per month. For each month, the permittee shall also calculate the annual, year-to-date, amount of sand and gravel processed (cumulative total of each month to date from January to December).

**D. Reporting Requirements**

1. The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. each day during which an inspection was not performed by the required frequency; and
  - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit annual deviation reports that identify exceedances of the annual limit of the amount of sand and gravel processed. If no deviations occurred during a calendar year, the permittee shall submit an annual report, which states that no deviations occurred during that calendar year. The reports shall be submitted annually, by January 31 of each year and shall cover the previous calendar year.

**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:**  
0.17 ton of PE/year (fugitive)

**Applicable Compliance Method:**

The annual particulate emission limitations were developed by applying the following emission factors/equations and control efficiencies to the associated process weight rates:

Mineral Extraction Operation	Maximum Process Weight Rate	Control Efficiency	Emission Factor	Emission Factor Citation
Overburden Removal	25,000 tons/year	90%	0.07 lb/ton removed	AP-42 Table 11.9.4, 7/98
Overburden Loading into Trucks	25,000 tons/year	90%	Predictive Emission Factor	AP-42 Table 13.2.4.3, 1/95
Sand and Gravel Loading into Trucks	1,000,000 tons/year	90%	Predictive Emission Factor	AP-42 Table 13.2.4.3, 1/95

Therefore, provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the ton per year PE limitation will be assumed.

- b. **Emission Limitation:**  
Visible particulate emissions shall not exceed 20% opacity as a 3-minute average from the following mineral extraction operations: overburden removal and reclamation, sand and gravel loading into trucks, and overburden loading into trucks.

**Applicable Compliance Method:**

If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 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)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

**Mid-Ohio Resources, Inc.**

**PTI Application: 03-16210**

**Issued: To be entered upon final issuance**

**Facility ID: 0370000214**

**Emissions Unit ID: F003**

**F. Miscellaneous Requirements**

1. The permittee shall not construct, install, or modify any emission units contained in PTI #03-16210 until authorization is received by the Ohio EPA for storm water discharges associated with construction activity under the National Pollutant Discharge Elimination System (NPDES).

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

**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F004 - Sand and gravel processing plant	OAC rule 3745-31-05 (A) (3)	7.29 tons of particulate emissions (PE)/year (fugitive)
		visible emission restrictions (See Section A.2.e)
		best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See Sections A.2.a)
		See Section A.2.b
	OAC rule 3745-17-07 (B)	See Section A.2.d
	OAC rule 3745-17-08 (B)	See Section A.2.c
	40 CFR, Part 60, Subpart OOO	visible emission restrictions (See Section A.2.e)

**2. Additional Terms and Conditions**

- 2.a The permittee shall employ best available control measures for this emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the material processed is at a level that is more than sufficient to comply with all applicable requirements. If at any time the moisture content is not sufficient to meet the above applicable requirements, the permittee shall employ best available control measures to ensure compliance.
- 2.b The requirements of this rule also include compliance with 40 CFR Part 60, Subpart OOO.

**Mid-Ohio Resources, Inc.****PTI Application: 03-16210****Issued: To be entered upon final issuance****Facility ID: 0370000214****Emissions Unit ID: F004**

- 2.c** The company is not located within an “Appendix A” area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).
- 2.d** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (B) pursuant to OAC rule 3745-17-07 (B)(11)(e).
- 2.e** Visible emissions from the material processing equipment shall not exceed the following opacity restrictions:

<b>Emission Point (Company ID)</b>	<b>Equipment Type</b>	<b>Opacity Limit as a 6- minute average, unless otherwise specified</b>	<b>Regulatory Basis for Limit</b>
dredge to conveyor	transfer point	no visible emissions	40 CFR Part 60, Subpart OOO
conveyor to hopper	transfer point	no visible emissions	40 CFR Part 60, Subpart OOO
front end loader to hopper	transfer point	10% as a 3-minute average	OAC rule 3745-31-05 (A) (3)
hopper to DS1 screen	transfer point	no visible emissions	40 CFR Part 60, Subpart OOO
DS1 screen	screen	no visible emissions	40 CFR Part 60, Subpart OOO
DS1 screen to DCR1 crusher	transfer point	no visible emissions	40 CFR Part 60, Subpart OOO
DCR1 crusher	crushing	15%	40 CFR Part 60, Subpart OOO
DCR1 crusher to DC1 conveyor	transfer point	10%	40 CFR Part 60, Subpart OOO
DC1 conveyor to cyclone	transfer point	10%	40 CFR Part 60, Subpart OOO
cyclone to DS2 dewatering screen	transfer point	10%	40 CFR Part 60, Subpart OOO
DS2 dewatering screen	screening	no visible emissions	40 CFR Part 60, Subpart OOO

**Mid-Ohio Resources, Inc.****PTI Application: 03-16210****Issued: To be entered upon final issuance****Facility ID: 0370000214****Emissions Unit ID: F004**

DS2 dewatering screen to DC1 conveyor	transfer point	no visible emissions	40 CFR Part 60, Subpart 000
DC1 conveyor to DC2 conveyor	transfer point	no visible emissions	40 CFR Part 60, Subpart 000
DC2 conveyor to DC3 conveyor	transfer point	no visible emissions	40 CFR Part 60, Subpart 000
DC3 conveyor to DC4 conveyor	transfer point	no visible emissions	40 CFR Part 60, Subpart 000
DC4 conveyor to field hopper	transfer point	no visible emissions	40 CFR Part 60, Subpart 000
field hopper to DC5 conveyor	transfer point	10%	40 CFR Part 60, Subpart 000
DC5 conveyor to DC6 conveyor	transfer point	10%	40 CFR Part 60, Subpart 000
DC6 conveyor to PC1 Conveyor	transfer point	10%	40 CFR Part 60, Subpart 000
PC1 conveyor to PC2 conveyor	transfer point	10%	40 CFR Part 60, Subpart 000
PC2 conveyor to S1 washing screen	transfer point	10%	40 CFR Part 60, Subpart 000
S1 washing screen	screen	no visible emissions	40 CFR Part 60, Subpart 000
S1 washing screen CR1 crusher	transfer point	no visible emissions	40 CFR Part 60, Subpart 000
CR1 crusher	crusher	15%	40 CFR Part 60, Subpart 000
CR1 crusher to PC2 conveyor	transfer point	10%	40 CFR Part 60, Subpart 000
PC3 conveyor to S1 washing screen	transfer point	10%	40 CFR Part 60, Subpart 000
S1 washing screen	screen	no visible emissions	40 CFR Part 60, Subpart 000
S1 washing screen to fraction bin 1	transfer point	no visible emissions	40 CFR Part 60, Subpart 000

S1 washing screen to fraction bin 2	transfer point	no visible emissions	40 CFR Part 60, Subpart 000
S1 washing screen to fraction bin 3	transfer point	no visible emissions	40 CFR Part 60, Subpart 000
S1 washing screen to classifier	transfer point	no visible emissions	40 CFR Part 60, Subpart 000
classifier	screen	no visible emissions	40 CFR Part 60, Subpart 000
classifier to dewatering screen	transfer point	no visible emissions	40 CFR Part 60, Subpart 000
dewatering screen	screen	no visible emissions	40 CFR Part 60, Subpart 000
classifier to dewatering screen	transfer point	no visible emissions	40 CFR Part 60, Subpart 000
dewatering screen	screen	no visible emissions	40 CFR Part 60, Subpart 000
classifier to dewatering screen	transfer point	no visible emissions	40 CFR Part 60, Subpart 000
dewatering screen	screen	no visible emissions	40 CFR Part 60, Subpart 000
dewatering screen to fraction bin 4	transfer point	no visible emissions	40 CFR Part 60, Subpart 000
dewatering screen to fraction bin 5	transfer point	no visible emissions	40 CFR Part 60, Subpart 000
dewatering screen to fraction bin 6	transfer point	no visible emissions	40 CFR Part 60, Subpart 000
fraction bin 1 to PC4 reversing conveyor	transfer point	10%	40 CFR Part 60, Subpart 000
fraction bin 2 to PC4 reversing conveyor	transfer point	10%	40 CFR Part 60, Subpart 000
fraction bin 3 to PC4 reversing conveyor	transfer point	10%	40 CFR Part 60, Subpart 000
fraction bin 4 to PC4 reversing conveyor	transfer point	10%	40 CFR Part 60, Subpart 000

fraction bin 5 to PC4 reversing conveyor	transfer point	10%	40 CFR Part 60, Subpart 000
fraction bin 6 to PC4 reversing conveyor	transfer point	10%	40 CFR Part 60, Subpart 000
PC4 reversing conveyor to PC5 conveyor or PC7 conveyor	transfer point	10%	40 CFR Part 60, Subpart 000
PC5 conveyor to PC6 conveyor or storage pile	transfer point	10%	40 CFR Part 60, Subpart 000
PC7 conveyor to PC8 conveyor or storage pile	transfer point	10%	40 CFR Part 60, Subpart 000

## B. Operational Restrictions

1. The permittee shall not process more than 1,000,000 tons of sand and gravel per year.

## C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the quantity of sand and gravel processed at the plant, in tons per month. For each month, the permittee shall also calculate the annual, year-to-date, amount of sand and gravel processed (cumulative total of each month to date from January to December).
2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any fugitive dust emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the location and color of the emissions;
  - b. the total duration of any visible emissions incident; and
  - c. any corrective actions taken to minimize eliminate the visible emissions.

## D. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

2. The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR, Part 60, Subpart OOO, including the reports of opacity observations using Method 9 to demonstrate compliance with this subpart.
3. The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
  - a. for a crusher, grinding mill, bucket elevator, bagging operations, or enclosed truck or railcar loading station:
    - i. the rated capacity, in tons per hour, of the existing facility being replaced, and
    - ii. the rated capacity, in tons per hour, of the replacement equipment;
  - b. for a conveyor belt:
    - i. the width of the existing belt being replaced, and
    - ii. the width of the replacement conveyor belt; and

The notification shall be submitted within 30 days of the equipment replacement.

4. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
  - 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  
Lazarus Government Center  
P.O. Box 1049  
Columbus, OH 43216-1049

and Ohio EPA, Northwest District Office  
347 North Dunbridge Road  
Bowling Green, OH 43402

## **E. Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing for all transfer points, screens, and crushers for emissions unit F004.
2. Testing shall be conducted in accordance with the provisions of 40 CFR Part 60, Subpart A, Section 60.8 and 40 CFR Part 60, Subpart OOO, Section 60.675.

In accordance with the provisions of 40 CFR Part 60, Subpart OOO, Section 60.675 (h), initial method 9 performance tests under 60.11 and 60.675 are not required for wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to, but not including the next crusher, grinding mill or storage bin.

3. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, by not later than 180 days after initial startup of such facility and at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates for particulate emissions.
4. The following test methods shall be employed to demonstrate compliance with the allowable visible emissions rates:
  - a. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.
5. The tests shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operation parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA District Office's air agency's refusal to accept the results of the emission tests.
6. Personnel from the Ohio EPA District Office's air agency shall be permitted to witness the test, 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 unit and /or the performance of the control equipment. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Division of Air Pollution Control within 30 days following completion of the tests.
7. Compliance with the emissions limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation: 7.29 tons PE/yr (fugitive)

Applicable Compliance Method: The emission limitation was established by combining the emissions from front-end loading, crushing, screening, and transfer points based on a maximum processing rate of 1,000,000 tons of sand and gravel per year.

The emission rate was determined as follows:

- i. front-end loading: emissions associated with front end loading were established by multiplying the AP-42 emission factor of 0.00000336 lb PE/ton (Section 11.10.2 - 6/03) by the maximum annual processing rate of 1,000,000 tons and dividing by 2000 lbs/ton. (0.002 ton PE/yr)
- ii. crushing: emissions associated with crushing were established by multiplying the AP-42 emission factor of 0.0012 lb PE/ton (Section 11.19.2 - 6/03) by the maximum annual processing rate of 1,000,000 tons for primary crushing and 250,000 tons for secondary crushing and dividing by 2000 lbs/ton. (0.75 tons PE/yr)
- iii. screening: emissions associated with screening were established by multiplying the AP-42 emission factor of 0.0021 lb PE/ton (Section 11.19.2 - 6/03) by the maximum annual processing rate of 1,000,000 tons for the primary screen, 1,000,000 tons for the primary dewatering screen, 1,250,000 tons for secondary washing screen, and 500,000 tons for dewatering screens and dividing by 2000 lbs/ton. (3.94 tons PE/yr)
- iv. transfer points: emissions associated with transfer points were established by multiplying the AP-42 emission factor of 0.00013 lb PE/ton (Section 11.19.2 - 6/03), the maximum annual processing rate of 1,000,000 tons, a total of 40 transfer points, and dividing by 2000 lbs/ton. (2.60 tons PE/yr)

Therefore, provided compliance is shown with the annual processing rate of 1,000,000 tons of sand and gravel, compliance with the ton per year PE limitation will be assumed.

- b. Emission Limitation: 10% opacity, as a 3-minute average for front loader dumping into feeder

Applicable Compliance Method: If required, compliance shall be demonstrated using Test Method 9 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)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

- c. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15% opacity.

Applicable Compliance Method: Compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO as specified in sections E.1 through E.6 above.

- d. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any transfer point or screen, any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method: Compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO as specified in sections E.1 through E.6 above.

- e. Emission Limitation: no visible emissions from any wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin.

Applicable Compliance Method: Compliance shall be demonstrated using Method 22 of 40 CFR, Part 60, Appendix A.

## **F. Miscellaneous Requirements**

1. The permittee shall not construct, install, or modify any emission units contained in PTI #03-16210 until authorization is received by the Ohio EPA for storm water discharges associated with construction activity under the National Pollutant Discharge Elimination System (NPDES).