State of Ohio Environmental Protection Agency

Street Address:
Lazarus Gov. Center
50 West Town Street, Suite 700
Columbus, OH 43215

TELE: (614) 644-3020 **FAX:** (614) 644-2329

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

RE: FINAL PERMIT TO INSTALL
LICKING COUNTY
Application No: 01-12093
Fac ID: 0145950432

DATE: 7/12/2007

CERTIFIED MAIL

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

Brookside Materials-Portable Wash Screen
Jerry Bennett
2850 Rohr Road
Groveport, OH 43125

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** **CDO**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install	**Issue Date: 7/12/2007**
Terms and Conditions	**Effective Date: 7/12/2007**

FINAL PERMIT TO INSTALL 01-12093

Application Number:	01-12093
Facility ID:	0145950432
Permit Fee:	**$1650**
Name of Facility:	Brookside Materials-Portable Wash Screen
Person to Contact:	Jerry Bennett
Address:	2850 Rohr Road Groveport, OH 43125

Location of proposed air contaminant source(s) [emissions unit(s)]:
2406 Johnstown Alexandria Road
Alexandria, **Ohio**

Description of proposed emissions unit(s):
Portable wash screen.

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
PE	

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

A. Applicable Emissions Limitations and/or Control Requirements

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

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

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	See Sections A.2.a
OAC rule 3745-17-07(B)	See section A.2.b
OAC rule 3745-17-08(B)	See section A.2.c

2. Additional Terms and Conditions

2.a Permit to Install 01-01343 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. To treat the unpaved and paved roadways and parking areas with water at sufficient treatment frequencies to ensure controlled potential particulate and PM10 emissions are less than 10.0 tons per year.

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 Brookside Materials LLC 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 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.

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2.e Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

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

paved roadways and parking areas	minimum inspection frequency
All	daily

unpaved roadways and parking areas	minimum inspection frequency
All	daily

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

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

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

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

   a. Emission Limitation
   Particulate and PM10 emissions shall be less than 10 tons/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:

   Unpaved Plant Service Road

   PE

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

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where:

E = size-specific emission factor (lb/VMT);
s = silt content of road surface material (%) = 4.8;
W = mean vehicle weight (tons) = 25;
a = constant (dimensionless) = 0.7;
b = constant (dimensionless) = 0.45;
k = particle size multiplier (dimensionless) = 4.9; and
p = number of rain days per year >0.01 in. = 140.

Therefore, E = 4.19 lb/VMT

Maximum travel = 12,000 VMT/year

(12,000 VMT/year)(4.19 Lb/VMT)(1 ton/2000 lbs) = 25.14 TPY uncontrolled PE

Assume 95% control efficiency for roadway watering

(25.14 TPY) (.05) = 1.26 TPY controlled PE

PM-10
$E= [k(s/12)^a(W/3)^b[(365-p)/365)]$

where:

E = size-specific emission factor (lb/VMT);
s = silt content of road surface material (%) = 4.8;
W = mean vehicle weight (tons) = 25;
a = constant (dimensionless) = 0.9;
b = constant (dimensionless) = 0.45;
k = particle size multiplier (dimensionless) = 1.5; and
p = number of rain days per year >0.01 in. = 140.

Therefore, E = 1.07 lb/VMT

Maximum travel = 12,000 VMT/year

(12,000 VMT/year)(1.07 Lb/VMT)(1 ton/2000 lbs) = 6.42 TPY uncontrolled PE

Assume 95% control efficiency for roadway watering

(6.42 TPY) (.05) = 0.32 TPY controlled PE

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Unpaved Haul Roads

PE

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

where:

E = size-specific emission factor (lb/VMT);
s = silt content of road surface material (%) = 4.8;
W = mean vehicle weight (tons) = 35;
a = constant (dimensionless) = 0.7;
b = constant (dimensionless) = 0.45;
k = particle size multiplier (dimensionless) = 4.9; and
p = number of rain days per year >0.01 in. = 140.

Therefore, E = 4.87 lb/VMT

Maximum travel = 12,000 VMT/year

(12,000 VMT/year)(4.87 Lb/VMT)(1 ton/2000 lbs) = 29.22 TPY uncontrolled PE

Assume 95% control efficiency for roadway watering

(29.22 TPY) (.05) = 1.46 TPY controlled PE

PM-10
$E= [k(s/12)^a(W/3)^b[(365-p)/365)]$

where:

E = size-specific emission factor (lb/VMT);
s = silt content of road surface material (%) = 4.8;
W = mean vehicle weight (tons) = 35;
a = constant (dimensionless) = 0.9;
b = constant (dimensionless) = 0.45;
k = particle size multiplier (dimensionless) = 1.5; and
p = number of rain days per year >0.01 in. = 140.

Therefore, E = 1.24 lb/VMT

Maximum travel = 12,000 VMT/year

(12,000 VMT/year)(1.24 Lb/VMT)(1 ton/2000 lbs) = 7.44 TPY uncontrolled PE

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Assume 95% control efficiency for roadway watering

(7.44 TPY) (.05) = 0.37 TPY controlled PE

Unpaved Parking Area

PE

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

where:

E = size-specific emission factor (lb/VMT);
s = silt content of road surface material (%) = 4.8;
W = mean vehicle weight (tons) = 4;
a = constant (dimensionless) = 0.7;
b = constant (dimensionless) = 0.45;
k = particle size multiplier (dimensionless) = 4.9; and
p = number of rain days per year >0.01 in. = 140.

Therefore, E = 1.81 lb/VMT

Maximum travel = 150 VMT/year

(150 VMT/year)(1.81 Lb/VMT)(1 ton/2000 lbs) = 0.14 TPY uncontrolled PE

Assume 95% control efficiency for roadway watering

(0.14 TPY) (.05) = 0.01 TPY controlled PE

PM-10

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

where:

E = size-specific emission factor (lb/VMT);
s = silt content of road surface material (%) = 4.8;
W = mean vehicle weight (tons) = 4;
a = constant (dimensionless) = 0.9;
b = constant (dimensionless) = 0.45;
k = particle size multiplier (dimensionless) = 1.5; and
p = number of rain days per year >0.01 in. = 140.

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Therefore, E = 0.46 lb/VMT

Maximum travel = 150 VMT/year

(150 VMT/year)(0.46 Lb/VMT)(1 ton/2000 lbs) = 0.35 TPY uncontrolled PE

Assume 95% control efficiency for roadway watering

(0.35 TPY) (.05) = 0.002 TPY controlled PE

Paved Entrance Road

The permittee may demonstrate compliance with the annual allowable PE limitation stated above for paved roadways and parking areas through the calculations in AP-42 section 13.2.1-2 (December, 2003) listed below. Compliance has been demonstrated using inputs representing Potential To Emit (PTE) conditions as follows:

$E = [k(sL/2)^{0.65} (W/3)^{1.5} - C](1-P/4N)$

PE

where:
E= size-specific emission factor (lb PE/vehicle mile traveled (VMT)
k= particle size multiplier= 0.082
sL= silt content of road surface material (g/m^2)= 7.1 g/m^2
W= mean vehicle weight (tons)= 25
C= emission factor for 1980s vehicle fleet exhaust, brake wear and tire wear= 0.0005 lb/VMT
P= number of wet days per averaging period with at least 0.01 inches of precipitation= 140
N= number of days per averaging period= 365

Using the values in the above equations, the PE factors were used to calculate emissions as follows:

E (paved)= 4.49 lb PE/VMT

To calculate the allowable emissions, multiply the emission factor by VMT/yr (3,500), to obtain the annual PE rates:

Total PE= (4.49 lb/VMT)x(3,500 VMT/yr)/(2000lbs/ton)= 7.86 TPY

Assume 95% control efficiency for roadway watering

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(7.86 TPY) (.05) = 0.39 TPY controlled PE

PM10

where:
E= size-specific emission factor (lb PE/vehicle mile traveled (VMT)
k= particle size multiplier= 0.016
sL= silt content of road surface material (g/m^2)= 8.2 g/m^2
W= mean vehicle weight (tons)= 25
C= emission factor for 1980s vehicle fleet exhaust, brake wear and tire wear= 0.0005 lb/VMT
P= number of wet days per averaging period with at least 0.01 inches of precipitation= 140
N= number of days per averaging period= 365

Using the values in the above equations, the PE factors were used to calculate emissions as follows:

E (paved)= 0.88 lb PM10/VMT

To calculate the allowable emissions, multiply the emission factor by VMT/yr (3,500), to obtain the annual PE rates:

Total PM10= (0.88 lb/VMT)x(3,500 VMT/yr)/(2000lbs/ton)= 1.54 TPY

Assume 95% control efficiency for roadway watering

(1.54 TPY) (.05) = 0.08 TPY controlled PE

F. Miscellaneous Requirements

None

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

A. Applicable Emissions Limitations and/or Control Requirements

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

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

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	See section A.2.a
OAC rule 3745-17-07(B)	See section A.2.c
OAC rule 3745-17-08(B)	See section A.2.d

2. Additional Terms and Conditions

2.a Permit to Install 01-12093 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. To maintain minimal drop heights for stackers and front-loaders, and chemical stabilization/dust suppressants and/or watering/sprinkling systems at sufficient treatment frequencies to ensure controlled potential particulate and PM10 emissions less than 10.0 tons per year.

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

2.c Brookside Materials LLC 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).

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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).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

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

storage pile identification	minimum load-in inspection frequency
all	daily

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

storage pile identification	minimum load-out inspection frequency
all	daily

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

storage pile identification	minimum wind erosion inspection frequency
all	daily

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

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

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6. The permittee may, upon receipt of written approval from the Ohio EPA, Central 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. All deviation reports unless otherwise specified shall be submitted in accordance with the General Terms and Conditions of this permit.

E. Testing Requirements

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

   a. <u>Emission Limitations:</u>

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Fugitive particulate emissions (PE) shall be less than 10.0 tons per year.

Fugitive particulate matter emissions of 10 microns or less in diameter (PM10) shall be less than 10.0 tons per year.
Applicable Compliance Method:
Compliance with fugitive PE and PM10 limitations shall be determined by using the emission factor equations in Section 13.2.4 in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 1/95) for aggregate handling and storage piles and the permittee-supplied operational parameters as submitted in PTI application 01-12093, received on October 18, 2006. Should further updates in AP-42 occur, the most current equations for aggregate handling and storage piles shall be used.

F. Miscellaneous Requirements

None

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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) - Portable CedarRapids Screen Plant (includes, screen, sand screws, classifying tank, and conveyors.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	See A.2.a
OAC rule 3745-17-07(B)	See A.2.b
OAC rule 3745-17-08(B)(1)	See A.2.b
40 CFR Part 60, Subpart OOO	See A.2.c

2. Additional Terms and Conditions

2.a Permit to Install 01-12093 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. to utilize reasonable available control measures and chemical stabilization/dust suppressants and/or watering/sprinkling systems at sufficient treatment frequencies to ensure particulate and PM10 emissions are less than 10.0 tons per year.

ii. to ensure the moisture content of any product passing through screening operations is greater than 10%.

2.b This emissions unit is a portable source and is applicable to the requirements of OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. Voluntary restrictions proposed by the permittee under OAC rule 3745-31-05(C) are more stringent than any requirements/emissions limitations as may be applicable under OAC 3745-17-07(B) and OAC 3745-17-08(B).

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2.c Visible emissions of fugitive dust shall not exceed 10% opacity, except as provided by rule.

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, for each part of the scalping operation that is not adequately enclosed, the permittee shall perform inspections of such parts of the screening operation in accordance with the following minimum frequencies:

Screening Operation	Minimum Inspection Frequency
All	Once During Each Day of Operation

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

3. 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.

D. Reporting Requirements

1. The permittee shall submit deviation reports, in accordance with the reporting requirements under the General Terms and Conditions of this permit, that identify 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.

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E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1. of the terms and condition of this permit shall be determined in accordance with the following methods:

   a. Emissions Limitations:

      Less than 10 tons/year of fugitive PM10
      Less than10 tons/year of fugitive PE

      Applicable Compliance Method:
      Compliance with fugitive PE limitations shall be determined by using the emission factor equations in Section 11.19.2-2, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 8/04), for screening. Should further updates in AP-42 occur, the most current equations for the applicable operation shall be used.

2. Visible emissions of fugitive dust shall not exceed 10% opacity, except as provided by rule.

   Applicable Compliance Method:
   The permittee shall conduct, or have conducted, emission testing for each conveying operation in accordance with the following requirements.

   i. On or after the sixtieth day after the PTI is issued, but not later than 180 days after PTI issuance, emissions testing shall be conducted.

   ii. The emission testing shall be conducted to demonstrate compliance with the opacity limitation.

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

   iv. 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 Central District Office.

   Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Central 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 these test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and

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approval prior to the test(s) may result in the Central District Office's refusal to accept the results of the emission test(s).

Personnel from the Central 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.

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

F. Miscellaneous Requirements

1. The following source is subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

Source Number	Source Description	NSPS Regulation (Subpart)
F011	400 TPH Model BHT-1512 Diester Primary Scalping Screen	000

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

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

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

b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);

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

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

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Reports are to be sent to:
Ohio Environmental Protection Agency
DAPC - Air Quality Modeling and Planning
P.O. Box 1049
Columbus, OH 43216-1049

and

Central District Office
Division of Air Pollution Control
50 West Town Street Suite 700
Columbus, OH 43215

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

   a. The portable source was issued a PTI that defined BAT requirements and the portable source continues to comply with those BAT requirements; and

   b. The portable source is currently in compliance with the currently effective PTI and the Permit to Operate (PTO); and

   c. The applicant has provided proper notice of intent to relocate the portable source to the director within a minimum of thirty days prior to the scheduled relocation; and

   d. The director has issued a notice stating that in the director's judgment, the proposed site is acceptable under rule 3745-15-07 of the Administrative Code, and

   e. The director has issued a notice stating that in the director's judgment, relocating the portable source will not result in the installation of a major stationary source, the modification of a major stationary source or the creation of a Title V source.

3. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI if the director has issued a site approval for the new location
In determining whether the director issues a site approval for a portable source, the applicant must demonstrate that the following criteria have been met pursuant to OAC rule 3745-31-05(E):

   a. The portable source is currently in compliance with the currently effective PTI and PTO.

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b. The portable source was issued a PTI that defined BAT requirements and the portable source continues to comply with those BAT requirements.

c. The portable source owner has identified the proposed site to Ohio EPA.

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Brookside Materials-Portable Wash Screen **Facility ID: 0145950432**
PTI Application: 01-12093
Issued: 7/12/2007

SIC CODE 1442 SCC CODE _____ EMISSIONS UNIT ID F001

EMISSIONS UNIT DESCRIPTION Roadways and Parking

DATE INSTALLED 8/07

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					<10
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

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

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

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IDENTIFY THE AIR CONTAMINANTS: _____

Brookside Materials-Portable Wash Screen **Facility ID: 0145950432**
PTI Application: 01-12093
Issued: 7/12/2007

SIC CODE 1442 SCC CODE EMISSIONS UNIT ID F002

EMISSIONS UNIT DESCRIPTION Aggregate Storage Piles

DATE INSTALLED 8/07

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					<10
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

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

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

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IDENTIFY THE AIR CONTAMINANTS: _____

Brookside Materials-Portable Wash Screen **Facility ID: 0145950432**
PTI Application: 01-12093
Issued: 7/12/2007

SIC CODE 1442 SCC CODE EMISSIONS UNIT ID P901

EMISSIONS UNIT DESCRIPTION Portable CedarRapids Screen Plant (includes, screen, sand screws, classifying tank, and conveyors.

DATE INSTALLED 8/07

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					<10
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

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

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

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Brookside Materials-Portable Wash Screen **Facility ID: 0145950432**
PTI Application: 01-12093
Issued: 7/12/2007

IDENTIFY THE AIR CONTAMINANTS: _____

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