



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

UNION COUNTY

Application No: 01-12100

Fac ID: 0180000169

DATE: 7/5/2007

Shelly Materials York Center
Katherine Hanna
301 Frank Rd
Columbus, OH 43207

CERTIFIED MAIL

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
Subpart 000	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

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
Terms and Conditions**

**Issue Date: 7/5/2007
Effective Date: 7/5/2007**

FINAL PERMIT TO INSTALL 01-12100

Application Number: 01-12100

Facility ID: 0180000169

Permit Fee: **\$3000**

Name of Facility: Shelly Materials York Center

Person to Contact: Katherine Hanna

Address: 301 Frank Rd
Columbus, OH 43207

Location of proposed air contaminant source(s) [emissions unit(s)]:

**20620 Spangler Rd
West Mansfield, Ohio**

Description of proposed emissions unit(s):

Lime line.

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

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**

<u>Pollutant</u>	<u>Tons Per Year</u>
Particulate Emissions	2.61

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 - (F010) - Screen--Production Engineered Products with 4 conveyors

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p><u>Particulate emissions from the material handling shall not exceed 0.52 pounds per hour and 0.13 ton per year.</u></p> <p><u>Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b through A.2.d)</u></p> <p><u>The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart OOO.</u></p>
40 CFR Part 60, Subpart OOO	Visible emissions or fugitive dust shall not exceed 10% opacity except as provided by rule.

2. Additional Terms and Conditions

- 2.a** The Screen and Modified number 9 aggregate and Lime Lines that are covered by this permit and subject to the above-mentioned requirements are listed below:

Screen and Modified number 9 aggregate and Lime Lines

- 2.b** The permittee shall employ best available control measures for the above-identified material handling operation(s) 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 perform the following control measure(s) to ensure compliance:

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Shelly Materials York Center

PTI Application: 01-12100

Issued: 7/5/2007

Facility ID: 0180000169

Emissions Unit ID: F010

Emissions units

control measure(s)

Screen and Modified number 9 aggregate and Lime Lines	Inherent moisture / water suppression system.
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Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c** For each emissions unit that is not adequately enclosed, the above-identified control measure 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 is necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure shall continue during the operation of the emissions units until further observation confirms that use of the control measure is unnecessary.
- 2.d** Implementation of the above-mentioned control measure in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.

B. Operational Restrictions

- 1. The Modified number 9 aggregate and Lime lines shall not process or convey more than 50,000 tons of aggregate per 12 month period.

C. Monitoring and/or Recordkeeping Requirements

- 1. Except as otherwise provided in this section, the permittee shall perform inspections of such Modified number 9 aggregate and Lime lines that are not adequately enclosed, in accordance with the following minimum frequencies:

<u>emissions Units</u>	<u>minimum inspection frequency</u>
Screen and Modified number 9 aggregate and Lime Lines	Daily

- 2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
- 3. The permittee may, upon receipt of written approval from the 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.

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:
 - c. the dates the control measure was implemented; and
 - d. on a calendar quarter basis, the total number of days the control measure was implemented.

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

5. The permittee shall maintain monthly records of the following information:
 - a. the rolling, 12 month summation of the production rates for the Modified number 9 aggregate and Lime lines.

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.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the Modified number 9 aggregate and Lime lines production limitation of 50,000 tons per 12 month period.
3. 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 limitation(s) in Section A.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation:

Particulate emissions from the screen and Modified number 9 aggregate and Lime Line shall not exceed 0.52 pounds per hour and 0.13 tons per year.

Applicable Compliance Method:

Compliance shall be demonstrated by summing the calculated hourly emission rate for each conveying or handling or screening operation, these emission are specified in USEPA reference document AP-42, 11.19.2-2 (8/2004). The resulting sum shall be multiplied by the maximum hourly production rate (110 tons/hr. PTI application 08/28/06). See the following calculations:

Screening

Where:

$$E = (e)(p)/2000$$

$$(0.0036 \text{ Lbs/ton}) (110 \text{ TPH}) = 0.4 \text{ Lbs/Hr}$$

$$(0.0036 \text{ Lbs/ton}) (50,000 \text{ Tons/12 month period}) / 2000 \text{ Lbs/ton} = 0.1 \text{ TPY PE}$$

e = Emission factor (controlled) per ton processed = 0.0036 lb/ton

p = Maximum rated production capacity. (110 TPH)

Transfer Points

Where:

$$E = (e)(p)/2000$$

$$0.00014 \text{ Lb/ton} (110 \text{ TPH})(8 \text{ transfer points}) = 0.12 \text{ Lbs/Hr}$$

$$0.00014 \text{ Lb/ton} (50,000 \text{ Tons/yr})(8 \text{ transfer points}) / 2000 \text{ Lbs/ton} = 0.03 \text{ TPY PE}$$

e = Emission factor (controlled) = 0.00014 Lb/ton

p = Maximum rated production capacity. (110 TPH)

2. Emission Limitation:

- a. 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 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)
F010	Screen and Modified number 9 aggregate and Lime Line	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).

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

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 - (F011) - Storage Piles Modified number 9 aggregate and Lime Line

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Particulate emissions shall not exceed 2.48 tons per year. No visible emissions except for one minute in any hour Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b, through A.2.f)

2. Additional Terms and Conditions

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

All storage piles used by sources contained in the application.

- 2.b 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 add water in sufficient quantities to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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

- 2.d** 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 add water in sufficient quantities to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The above-mentioned control measure 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.f** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the 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 load-in operation at each storage pile in accordance with the following frequencies:

storage pile identification	minimum load-in inspection frequency
Piles, modified number 9 aggregate and lime	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
Piles, modified number 9 aggregate and lime	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

Piles, modified number 9 Daily
aggregate and lime

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 have ended.
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 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.
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.

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. Emission limitation-
There shall be no visible emissions except for a period not to exceed one minute during any 60 minute observation period from storage piles.

Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

2. Emission Limitation:
Particulate emissions shall not exceed and 2.48 tons per year.

Applicable Compliance Method:

Compliance shall be demonstrated by summing the calculated emission rate for each ton of material placed in and removed from the storage piles as per emission factors specified in AP 42 and Fugitive Dust Background Documentation and Technical Information Document for Best Available Control Measures, USEPA September 1992 and Ohio EPA RACM manual table 2.1.2-8 (1980). The resulting sum shall be multiplied by the maximum yearly production rate (50,000 tons/yr. PTI application, 08/28/06). See the following calculations:

Storage Pile Load In and Out

Modified number 9 aggregate storage pile

$$E = K(0.0032)[(U/5)^{1.3} / M/2)^{1.4}]$$

$$0.74(0.0032)[(30/5)^{1.3} / (1.87/2)^{1.4}]$$

$$(0.0024) [(10.27) / (0.91)]$$

$$(0.0024) (11.29) = 0.027 \text{ lb/ton} \times 167 \text{ TPD} = 4.53 \text{ Lb/hr.}$$

$$(0.027 \text{ lb/ton}) (50,000 \text{ Tons/yr})(2 \text{ load in and out}) / 2000 \text{ lb/ton} = 1.35 \text{ TPY PE}$$

$$1.35 \text{ TPY/PE} (95 \% \text{ control efficiency}) = 0.07 \text{ TPY/PE}$$

Lime Line storage pile

$$E = K(0.0032) \left[\frac{(U/5)^{1.3}}{M/2} \right]^{1.4}$$

$$0.74(0.0032) \left[\frac{(30/5)^{1.3}}{(8.79/2)} \right]^{1.4}$$

$$(0.0024) \left[\frac{(10.27)}{(7.95)} \right]$$

$$(0.0024) (1.29) = 0.0031 \text{ lb/ton}$$

$$(0.0031 \text{ lb/ton}) (50,000 \text{ Tons/yr})(2 \text{ load in and out}) / 2000 \text{ lb/ton} = 0.16 \text{ TPY PE}$$

$$0.16 \text{ TPY/PE (95 \% control efficiency)} = 0.008 \text{ TPE/PE}$$

Where:

E = emission factor (lb/ton)

k = particle size multiplier (dimensionless) (0.74)

U = Mean wind speed mph, (30) default used

M = material moisture content (1.87 - 8.79%)

Wind Erosion

$$E = (1.7)(s/1.5) \left[\frac{(365-p)}{235} \right] (f/15) (A)$$

$$(1.7)(30.08/1.5) \left[\frac{(365-140)}{235} \right] (30/15)(4)$$

$$(1.7) (20.1) \quad (0.96) \quad (2.0) (4)$$

$$(34.1) \quad (0.96) \quad (2.0) (4) = 262 \text{ Lbs/day/acre}$$

$$262 \text{ Lbs/day/acre (365 days)} / 2000 \text{ Lbs/ton} = 47.8 \text{ TPY/ PE}$$

$$47.8 \text{ TPY/PE (95 \% control efficiency)} = 2.4 \text{ TPY/PE}$$

Where:

E = Emission factor

s = Silt content of the stored material (based on applicant testing) worst case - driest-estimate) (1.87%)

p = Number of days > 0.01 inch precipitation (NWS Toledo station) (140 days)

f = Percent of time winds exceed 12 mph at mean pile height (Akron-Canton) (30%)

A = Total surface area of storage piles (worst case estimate) (4.0 acres).

F. Miscellaneous Requirements

None

SIC CODE 1422 SCC CODE 30501625 EMISSIONS UNIT ID F010

EMISSIONS UNIT DESCRIPTION Screen--Production Engineered Products with 4 conveyors

DATE INSTALLED 1-05

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	Attainment	0.52	0.13	0.52	0.13
PM ₁₀					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? Subpart NESHAP? PSD? OFFSET POLICY?
 000

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

Enter Determination Compliance with permitted emissions limits

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NA

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

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.

Shelly Materials York Center
PTI Application: 01-12100
Issued: 7/5/2007

Facility ID: 0180000169

AIR TOXICS MODELING PERFORMED*? _____ YES NA NO

IDENTIFY THE AIR CONTAMINANTS: Particulate emissions

SIC CODE 1422 SCC CODE 30501625 EMISSIONS UNIT ID F011

EMISSIONS UNIT DESCRIPTION Storage Piles Modified number 9 aggregate and Lime Line

DATE INSTALLED 1-05

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	Attainment		2.48		2.48
PM ₁₀					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? Subpart _____ NESHAP? _____ PSD? _____ OFFSET POLICY? _____
 OOO

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

Enter Determination Compliance with permitted emissions limits

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NA

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

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