



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center
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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
CLINTON COUNTY
Application No: 05-12284**

CERTIFIED MAIL

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

DATE: 9/26/2002

Melvin Stone Co
Dennis Garrison
PO Box 158
Sabina, OH 45169

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 by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 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. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA

SWDO



**Permit To Install
Terms and Conditions**

**Issue Date: 9/26/2002
Effective Date: 9/26/2002**

FINAL PERMIT TO INSTALL 05-12284

Application Number: 05-12284
APS Premise Number: 0514000147
Permit Fee: **\$3600**
Name of Facility: Melvin Stone Co
Person to Contact: Dennis Garrison
Address: PO Box 158
Sabina, OH 45169

Location of proposed air contaminant source(s) [emissions unit(s)]:
**3581 St Rt 72
Sabina, Ohio**

Description of proposed emissions unit(s):
Portable Finlay 683 Secondary Screening 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 Related to Monitoring and Recordkeeping 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 application must be made to the Director for the installation or modification of any other emissions unit(s).

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 thirty (30) 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	13.34
SOx	0.90
NOx	13.58
VOC	1.08
CO	2.93

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>
B003 - 100 Horsepower Engine Electric Generator (Serial Number 00580534)	OAC rule 3745-31-05(A)(3)	0.22 lb particulate emissions (PE)/hr; 0.96 tons PE/yr;
		0.21 lb sulfur oxides (SOx)/hr; 0.90 tons SOx/yr;
		3.10 lbs nitrogen oxides (NOx)/hr; 13.58 tons NOx/yr;
		0.25 lb volatile organic compounds (VOCs)/hr; 1.08 tons VOC/yr;
		0.67 lbs carbon monoxide (CO)/hr; 2.93 tons CO/yr;
		Visible particulate emissions shall not exceed twenty percent (20%) opacity, as a three minute average, except during the startup and shut-down of equipment.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1) and OAC rule 3745-17-11(B)(5).
	OAC rule 3745-17-10(B)(5)	PE shall not exceed 0.020 lb/MMBtu of actual heat input.
	OAC rule 3745-18-06(B)	Exempt

2. Additional Terms and Conditions

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of #2 fuel oil (diesel) and compliance with specified emission limits.
- 2.b** The hourly and annual emission limitations outlined above are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records of operation are required to demonstrate compliance with these limits.

B. Operational Restrictions

- 1. The permittee shall burn only number two fuel oil (diesel) in this emissions unit.

C. Monitoring and/or Recordkeeping Requirements

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

D. Reporting Requirements

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

E. Testing Requirements

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

- a. Emission Limitation:

20% opacity

Applicable Compliance Method:

Compliance with OAC rule 3745-17-07(A)(1) shall be determined using the methods outlined in US EPA Reference Test Method 9 (40 CFR Part 60, Appendix A).

- b. Emission Limitation:

0.22 lb PE/hr;
0.96 tons PE/yr;
0.21 lb SO_x/hr;
0.90 tons SO_x/yr;
3.10 lbs NO_x/hr;
13.58 tons NO_x/yr ;

0.25 lb VOCs/hr;
1.08 tons VOC/yr;
0.67lbs CO/hr;
2.93 tons CO/yr;

Applicable Compliance Method:

Hourly compliance shall be determined by multiplying the air contaminate's respective emissions factor by the unit's horsepower (100).

Annual compliance shall be determined by multiplying the air contaminate's respective emissions factor by the unit's horsepower (100). The sum of the hourly emissions rate should then be multiplied by the annual hours of operation (8,760).

Emission factors from US EPA reference document AP-42, Table 3.3-1, October, 1996 edition.

<u>Pollutant</u>	<u>Emission factor</u>
PE	0.00220 lb/Hp-hr
SO _x	0.00205 lb/Hp-hr
NO _x	0.031 lb/Hp-hr
VOC	0.00247 lb/Hp-hr
CO	0.00668 lb/Hp-hr

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

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

- a. The portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- b. The portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
- c. The applicant has provided proper notice of intent to relocate the portable emissions unit to the Ohio EPA-Southwest District Office, Division of Air Pollution Control and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and
- d. In the Ohio EPA-Southwest District Office, Division of Air Pollution Control's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

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

- e. The portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
- f. The portable emissions unit is equipped with best available technology;
- g. The portable emission unit owner has identified the proposed site to the Ohio EPA;
- h. The Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
- i. A public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
- j. The owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and
- k. The portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to A.VI.1. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Department of Environmental Services and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Ohio EPA-Southwest District Office, Division of Air Pollution Control and the appropriate field office having jurisdiction over the new site.

Upon receipt of the notice, the Ohio EPA-Southwest District Office, Division of Air Pollution Control and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive the Ohio EPA's approval prior to relocation of the emissions unit may result in fines and civil penalties.

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>
F024 - Two 250 tons/hr 683 Supertrak Vibrating Screens: (1) 4 x 8 Deck; and (1) 5 x 12 Deck	OAC rule 3745-31-05(A)(3)	0.89 lb/hr and 3.94 tons/yr particulate emissions See section A.2.c.
	NSPS 40 CFR Part 60, Subpart OOO	The visible emissions of fugitive dust shall not exceed 10% opacity, as a 6-minute average, except as identified in 40 CFR Part 60.272 (d).
	OAC rule 3745-17-07(B)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. (See section A.2.b.)
	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section A

2. Additional Terms and Conditions

- 2.a The hourly and yearly emissions limitation of 0.89 lb/hr and 3.94 TPY respectively, were established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.
- 2.b These OAC rules and the application of RACM are applicable only when the emissions unit is located in an Appendix A area as specified in OAC rule 3745-17-08.
- 2.c The aggregate materials processed through any conveyor shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained. If the inherent moisture in the aggregate material is not sufficient to comply with

the opacity restrictions found in this permit, the permittee shall apply water, or any other suitable dust suppressant, at a rate sufficient to comply with the applicable opacity restriction.

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Upon completing the initial visible emissions compliance test as specified in Section E.2., the permittee shall conduct visible emissions evaluations at a minimum annually or upon relocation of the emissions unit. The visible emissions evaluations shall be performed during the period of May 1 through September 30.
2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from each crusher, screen, transfer point, and load-out operation. 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. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
 - c. the total duration of any visible emissions incident which exceeds the specified opacity limitations under Part II. A.; and
 - d. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedance occurs.
2. The permittee shall submit quarterly deviation (excursion) reports which identify the occurrences identified below:
 - 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.

These reports are due by the date described in Part 1-General Terms and Conditions of this permit under section (A)(2).

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 method(s):

- a. Emission Limitation-

0.89 lb/hr particulate emissions

Applicable Compliance Method-

Compliance shall be determined by multiplying each emissions units egress point's maximum hourly production rate (tons/hour) by the emissions factor of 0.00010 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the total.

- b. Emission Limitation-

3.94 tons/yr particulate emissions

Applicable Compliance Method-

Compliance shall be determined by multiplying each emissions unit's maximum hourly production rate (tons/hr) by the emissions factor of 0.00010 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), multiply the resultant by 8,760 hrs/yr, and dividing the total by 2,000 lbs/ton, and summing the total.

- c. Emission Limitation-

10% opacity, as a 6-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

- d. Emission Limitation-

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

2. Within 60 days of reaching maximum production, this facility shall conduct, or have conducted an opacity test for F015 in order to demonstrate compliance with the specified allowable opacity limitation. The opacity test shall be conducted in accordance with the test method specified in 40 CFR Part 60 Subpart OOO, [reference section 60.675].

Not later than 30 days prior to the proposed test date(s), this facility shall submit an Intent to Test notification to the Ohio EPA, Southwest District Office. The Intent to Test notification shall describe in detail the proposed test methods and procedures, the source operating parameters, the time(s) and the date(s) of the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in Ohio EPA, Southwest District Office's refusal to accept the results of the opacity test(s).

Personnel from Ohio EPA, Southwest District Office shall be permitted to witness the test(s). Personnel from this facility shall acquire data and information regarding the source operating parameters (including but not limited to, water flow rates and pressure employed for particulate emissions and opacity control at this plant).

A comprehensive written report on the results of the opacity test(s) (including opacity levels and the source operating parameters) shall be submitted to Ohio EPA, Southwest District Office within 30 days following completion of the test(s).

F. Miscellaneous Requirements

1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance.
2. Notice to Relocate a Portable or Mobile Source

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

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

- b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
- c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Ohio EPA, Southwest District Office and the appropriate field office having jurisdiction over the new site within a minimum of 30 days prior to the scheduled relocation; and,
- a. in Ohio EPA, Southwest District Office's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

OR

- 3. Under OAC rule 3745-31-05(F), portable or mobile sources may relocate to sites that have been pre-approved by the Director. The permittee may relocate the portable or mobile sources listed in this permit if:
 - a. the permittee has applied for and obtained a site approval for the new site from the Director;
 - b. the site approval is current and effective;
 - c. the permittee has complied with all of the conditions and restrictions contained in the site approval;
 - d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation.

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>
F025 - Material Handling- Seven 250 tons/hr Conveyors	OAC rule 3745-31-05(A)(3)	0.33 lb/hr and 1.42 tons/yr particulate emissions See section A.2.c.
	NSPS 40 CFR Part 60, Subpart OOO	The visible emissions of fugitive dust shall not exceed 10% opacity, as a 6-minute average for sources subject to this rule.
	OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average. (See section A.2.b.)
	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section A

2. Additional Terms and Conditions

- 2.a The hourly and yearly emissions limitation of 0.33 lb/hr and 1.42 TPY respectively, were established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
- 2.b These OAC rules and the application of RACM are applicable only when the emissions unit is located in an Appendix A area as specified in OAC rule 3745-17-08.
- 2.c The aggregate materials processed through any conveyor shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained. If the inherent moisture in the aggregate material is not sufficient to comply with the opacity restrictions found in this permit, the permittee shall apply water, or any other

suitable dust suppressant, at a rate sufficient to comply with the applicable opacity restriction.

- 2.d** The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Upon completing the initial visible emissions compliance test as specified in Section E.2., the permittee shall conduct visible emissions evaluations at a minimum annually or upon relocation of the emissions unit. The visible emissions evaluations shall be performed during the period of May 1 through September 30.
2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from each crusher, screen, transfer point, and load-out operation. 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. whether the emissions are representative of normal operations;
 - b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
 - c. the total duration of any visible emissions incident which exceeds the specified opacity limitations under Part II. A.; and
 - d. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedance occurs.

2. The permittee shall submit quarterly deviation (excursion) reports which identify the occurrences identified below:
 - 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.

These reports are due by the date described in Part 1-General Terms and Conditions of this permit under section (A)(2).

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 method(s):
 - a. Emission Limitation-

0.33 lb/hr particulate emissions

Applicable Compliance Method-

Compliance shall be determined by multiplying each emissions units egress point's maximum hourly production rate (tons/hour) by the emissions factor of 0.00010 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the total.
 - b. Emission Limitation-

1.42 tons/yr particulate emissions

Applicable Compliance Method-

Compliance shall be determined by multiplying each emissions unit's maximum hourly production rate (tons/hr) by the emissions factor of 0.00010 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), multiply the resultant by 8,760 hrs/yr, and dividing the total by 2,000 lbs/ton, and summing the total.
 - c. Emission Limitation-

10% opacity, as a 6-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

d. Emission Limitation-

20% opacity, as a 3-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

2. Within 60 days of reaching maximum production, this facility shall conduct, or have conducted an opacity test for F015 in order to demonstrate compliance with the specified allowable opacity limitation. The opacity test shall be conducted in accordance with the test method specified in 40 CFR Part 60 Subpart OOO, [reference section 60.675].

Not later than 30 days prior to the proposed test date(s), this facility shall submit an Intent to Test notification to the Ohio EPA, Southwest District Office. The Intent to Test notification shall describe in detail the proposed test methods and procedures, the source operating parameters, the time(s) and the date(s) of the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in Ohio EPA, Southwest District Office's refusal to accept the results of the opacity test(s).

Personnel from Ohio EPA, Southwest District Office shall be permitted to witness the test(s). Personnel from this facility shall acquire data and information regarding the source operating parameters (including but not limited to, water flow rates and pressure employed for particulate emissions and opacity control at this plant).

A comprehensive written report on the results of the opacity test(s) (including opacity levels and the source operating parameters) shall be submitted to Ohio EPA, Southwest District Office within 30 days following completion of the test(s).

F. Miscellaneous Requirements

1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance.

2. Notice to Relocate a Portable or Mobile Source

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

- a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
- c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Ohio EPA, Southwest District Office and the appropriate field office having jurisdiction over the new site within a minimum of 30 days prior to the scheduled relocation; and,
- a. in Ohio EPA, Southwest District Office's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

OR

3. Under OAC rule 3745-31-05(F), portable or mobile sources may relocate to sites that have been pre-approved by the Director. The permittee may relocate the portable or mobile sources listed in this permit if:
- a. the permittee has applied for and obtained a site approval for the new site from the Director;
 - b. the site approval is current and effective;
 - c. the permittee has complied with all of the conditions and restrictions contained in the site approval;
 - d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation.

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>
F026 - Storage Piles (encompassing 4.0 acres)	OAC rule 3745-31-05(A)(3)	7.02 tons/yr particulates emissions (PE) No visible particulate emissions except for one minute in any hour Best available control measures that are sufficient to minimize or eliminate visible particulate emissions of fugitive dust (see Sections A.2.b, A.2.c and A.2.f)
	OAC rule 3745-17-07(B)(6)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- 2.a The storage piles that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 are listed below:

All

- 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 treat the load-in and load-out materials with water to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
- 2.d The permittee shall employ 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 treat each storage pile with water to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 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:

<u>Storage pile identification</u>	<u>Minimum load-in inspection frequency</u>
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:

<u>Storage pile identification</u>	<u>Minimum load-out inspection frequency</u>
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:

<u>storage pile identification</u>	<u>minimum wind erosion inspection frequency</u>
All	Daily

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. The permittee 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:
- 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;
 - the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - the dates the control measures were implemented; and,
 - 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.

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 method(s):

- a. Emission Limitation-
1.5 tons/year particulate

Applicable Compliance Method-
Compliance shall be determined by using AP-42 13.2.4-3 emissions factor:

$$k = 0.74$$
$$U = 9.1 \text{ mph}$$
$$M = 4.0\%$$

$$\text{Emissions, lb/tn} = k(0.0032)[U/5^{1.3}/(M/2)^{1.4}]$$

$$= 0.74(0.0032)[(9.1 \text{ mph}/5)^{1.3}/(4.0/2)^{1.4}]$$
$$= 0.002 \text{ lb/tn}$$

Storage Load-in of Base Aggregate Storage Pile - 750,000 TPY

$$0.002 \text{ lb/tn (750,000 TPY)}(1 \text{ tn}/2,000 \text{ lbs})$$
$$= 0.75 \text{ TPY}$$

Storage Load-out of Base Aggregate Storage Pile - 750,000 TPY

$$\begin{aligned} &0.002 \text{ lb/tn (750,000 TPY)(1 tn/2,000 lbs)} \\ &= 0.75 \text{ TPY} \end{aligned}$$

Wind Erosion -

Silt Content (S)-	4.0 %
Surface area -	4.0 acres
Precipitation 0.01" (P) -	130 days per year
Wind velocity % >12 MPH (F)-	30 days per year

$$\begin{aligned} \text{Emissions, lb/day/acre} &= 1.79 (S/1.5)[365 \text{ days} - P]/235](F/15) \\ &= 1.79(4.0/1.5)[(365-130)/235](30/15) \\ &= 9.5 \text{ lb/day/acre} \\ &= 9.5 (4 \text{ acre})(365 \text{ days/year})(1 \text{ tn/2,000 lbs}) \\ &= 3.92 \text{ TPY} \end{aligned}$$

Total particulate emissions:

$$\begin{aligned} &= 1.5 \text{ TPY} + 3.92 \text{ TPY} + 1.6 \text{ TPY} \\ &= 7.02 \text{ tons per year} \end{aligned}$$

- b. Emission Limitation -
No visible emissions, except for one-minute per hour

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.

F. Miscellaneous Requirements

If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance.