



State of Ohio Environmental Protection Agency

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

Street Address:

122 S. Front Street

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 05-10423

DATE: 3/29/00

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,

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA

SWDO



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install

Issue Date: 3/29/00

FINAL PERMIT TO INSTALL 05-10423

Application Number: 05-10423
APS Premise Number: 0514000147
Permit Fee: **\$6700**
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)]:

**228 Melvin Rd
Wilmington, Ohio**

Description of proposed emissions unit(s):

LIMESTONE QUARRY-PRIMARY, SECONDARY AND RIP RAP PLANTS.

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 are inadequate 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 prove to be inadequate 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

Melvin Stone Co
PTI Application: 05-10423
Issued: 3/29/00

Facility ID: 0514000147

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 Matter (PM)	57.0

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

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F002 -Paved Roads (with Unpaved Shoulders)/ Parking Areas Modified In 1997 (See Section A.2.a.)	OAC rule 3745-31-05	no visible particulate emissions except for one minute during any 60-minute period (see Section A.2.k for annual emissions limitation) best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.c, A.2.d. and A.2.f through A.2.j)
Unpaved Roadways (See Section A.2.b)	OAC rule 3745-31-05	no visible emissions except for 3 minutes during any 60-minute period (see Section A.2.k for annual emissions limitation) best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.e. through A.2.i.)

2. Additional Terms and Conditions

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

paved roadways:

0.34 mile asphalt service road

paved parking areas:

0.02 mile asphalt parking area

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

unpaved roadways:

0.4 mile service and 0.55 mile haul limestone roads

- 2.c** The permittee shall employ best available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas via broom sweeping and flushing them with water to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.d** The permittee shall employ best available control measures on the unpaved shoulders of all paved roadways for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved shoulders of all paved roadways with chemical stabilization, watering and/or surface improvements at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with chemical stabilization, watering and/or surface improvements at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.f** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

9

Melvin Stone Co
PTI Application: 05 10422
Issued

Facility ID: 0514000147

Emissions Unit ID: F002

- 2.g Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.
- 2.h The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.i Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.j Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
- 2.k Particulate emissions from emissions unit F002 shall not exceed 30.1 TPY.

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:

<u>paved roadways and parking areas</u>	<u>minimum inspection frequency</u>
All	daily
<u>unpaved roadways</u>	<u>minimum inspection frequency</u>
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,
 - 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 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 permittee shall submit quarterly deviation (excursion) reports which identify the occurrences identified above (D.1.a. and D.1.b.). 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 emission limitation for the paved and unpaved roadways and parking areas 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)(d) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

None

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

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F003 - Limestone Aggregate Storage Piles Modified In 1997 load-in and load-out of storage piles (see Section A.2.a for identification of storage piles) wind erosion from storage piles (see Section A.2.a for identification of storage piles)	OAC rule 3745-31-05 OAC rule 3745-31-05	no visible emissions except for one minute in any hour (see Section A.2.g for annual emissions limitation) best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b, A.2.c and A.2.f) no visible emissions except for one minute in any hour (see Section A.2.g for annual emissions limitation) best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.d through A.2.f)

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:

Limestone Aggregate (pile #1)

Limestone Aggregate (pile #2)
Limestone Aggregate (pile #3)
Limestone Aggregate (pile #4)
Limestone Aggregate (pile #5)
Limestone Aggregate (pile #6)
Limestone Aggregate (pile #7)
Washed Limestone Aggregate (pile #1)
Washed Limestone Aggregate (pile #2)
Washed Limestone Aggregate (pile #3)
Washed Limestone Aggregate (pile #4)
Washed Limestone Aggregate (pile #5)
Washed Limestone Aggregate (pile #6)
Washed Limestone Sand (pile #1)
Washed Limestone Sand (pile #2)

- 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 and/or any other suitable dust suppression chemicals 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 and/or any other suitable dust suppression chemicals via the spray tower at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The 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.

2.g Particulate emissions from emissions unit F003 shall not exceed 10.3 TPY.

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</u>	<u>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:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and,
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar

quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and,
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The permittee shall submit quarterly deviation (excursion) reports which identify the occurrences identified above (D.1.a. and D.1.b.). 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 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

None

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>
F005 - Primary Plant-1200 TPH Wedag Humbolt PEG 160210 Primary Impact Crusher Modified In 1997	OAC rule 3745-31-05	0.84 lb/hr and 0.9 TPY PM
	NSPS 40 CFR Part 60, Subpart OOO	15% opacity, as a 6-minute average (See Sections A.2.c. and A.2.d.)
	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
	OAC rule 3745-17-07(B)(1) (See Section A.2.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) (See Section A.2.b.)	Reasonably available control measures (RACM). (See Section A.2.b.)

2. Additional Terms and Conditions

- 2.a The hourly emission limitation was 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, the stated visible emission opacity requirement, and the application of

RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.

- 2.c** The aggregate materials processed through the primary crusher shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crusher and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
- 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

1. The maximum annual production rate for this facility shall not exceed 2,500,000 tons.
2. The inherent moisture content of the raw material processed shall not be any less than 2.88%.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.
2. The permittee shall test the inherent moisture content of the raw material on an annual basis.

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for the facility, as well as the corrective actions that were taken to achieve compliance. The results of the annual raw material's inherent moisture content shall also be included. These reports shall be submitted by January 31 of each year.
2. The permittee shall notify the Director [the appropriate Ohio EPA District Office or local air agency (LAA)] 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 LAA) within 30 days after the exceedance occurs.
3. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report

Melvin Stone Co
PTI Application: 05 10422
Issued

Facility ID: 0514000147

Emissions Unit ID: F005

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 of 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 - Permit Management Unit
P.O. Box 163669
Columbus, Ohio 43216-3669

and

Ohio Environmental Protection Agency
Southwest District Office
DAPC
401 E. Fifth Street
Dayton, Ohio 45402-2911

E. Testing Requirements

1. Within 60 days of reaching maximum production, this facility shall conduct, or have conducted, an opacity test for F005 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 60.675].

Not later than 30 days prior to the proposed test date(s), this facility shall submit an Intent to Test (ITT) notification to the Ohio EPA Southwest District Office (OEPA SWDO). The ITT 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 OEPA SWDO's refusal to accept the results of the opacity test(s).

Personnel from OEPA SWDO 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 emission and opacity control at this plant). Data reduction of opacity readings (to determine compliance with opacity limitations) shall be based upon 6-minute averages, and if applicable, 3-minute averages.

A comprehensive written report of the results of the opacity test(s) (including opacity levels and the source operating parameters) shall be submitted to OEPA SWDO within 30 days following completion of the test(s).

2. During August of every year, this facility shall sample the inherent moisture content of the raw material processed at this facility.
3. Compliance with the emission limitation in this permit for emissions unit F005 shall be determined in accordance with the following method(s):

a. Emission Limitation

0.84 lb/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 1200 tons/hour by the emission factor of 0.00070 lb/ton, as specified in AP-42, Table 11.19.2-2.

b. Emission Limitation

0.9 TPY PM

Applicable Compliance Method

Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of 0.00070 lb/ton, as specified in AP-42, Table 11.19.2-2, and dividing by 2,000 pounds per ton.

c. Emission Limitation

15% opacity, as a 6-minute average

Applicable Compliance Method

22

Melvi

PTI A

Issued: 3/29/00

Emissions Unit ID: **F005**

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

F. Miscellaneous Requirements

None

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>
F006 - Primary Plant-1200 TPH Diester BXHT-1514 Primary Screen Modified in 1997	OAC rule 3745-31-05	2.1 lbs/hr and 2.2 TPY PM
	NSPS 40 CFR Part 60, Subpart OOO	10% opacity, as a 6-minute average (See Sections A.2.c. and A.2.d.)
	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
	OAC rule 3745-17-07(B)(1) (See Section A.2.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) (See Section A.2.b.)	Reasonably available control measures (RACM). (See Section A.2.b.)

2. Additional Terms and Conditions

- 2.a The hourly emission limitation was 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, the stated visible emission opacity requirement, and the application of

Melvin Stone Co
PTI Application: 05 10422
Issued

Facility ID: 0514000147

Emissions Unit ID: F006

RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.

- 2.c** The aggregate materials processed through the primary screen shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the screen and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
- 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

1. The maximum annual production rate for this facility shall not exceed 2,500,000 tons.
2. The inherent moisture content of the raw material processed shall not be any less than 2.88%.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.
2. The permittee shall test the inherent moisture content of the raw material on an annual basis.

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for the facility, as well as the corrective actions that were taken to achieve compliance. The results of the annual raw material's inherent moisture content shall also be included. These reports shall be submitted by January 31 of each year.
2. The permittee shall notify the Director [the appropriate Ohio EPA District Office or local air agency (LAA)] 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 LAA) within 30 days after the exceedance occurs.
3. 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 of 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 - Permit Management Unit
P.O. Box 163669
Columbus, Ohio 43216-3669

and

Ohio Environmental Protection Agency
Southwest District Office
DAPC
401 E. Fifth Street
Dayton, Ohio 45402-2911

E. Testing Requirements

- 1. Within 60 days of reaching maximum production, this facility shall conduct, or have conducted, an opacity test for F006 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 60.675].

Not later than 30 days prior to the proposed test date(s), this facility shall submit an Intent to Test (ITT) notification to the Ohio EPA Southwest District Office (OEPA SWDO). The ITT 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 OEPA SWDO's refusal to accept the results of the opacity test(s).

Personnel from OEPA SWDO 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 emission and opacity control at this plant). Data reduction of opacity readings (to determine compliance with opacity

limitations) shall be based upon 6-minute averages, and if applicable, 3-minute averages.

A comprehensive written report of the results of the opacity test(s) (including opacity levels and the source operating parameters) shall be submitted to OEPA SWDO within 30 days following completion of the test(s).

2. During August of every year, this facility shall sample the inherent moisture content of the raw material processed at this facility.
3. Compliance with the emission limitation in this permit for emissions unit F006 shall be determined in accordance with the following method(s):

- a. Emission Limitation

2.1 lbs/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 1200 tons/hour by the emission factor of 0.001764 lb/ton, as specified in AP-42, Table 11.19.2-2.

- b. Emission Limitation

2.2 TPY PM

Applicable Compliance Method

Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of 0.001764 lb/ton, as specified in AP-42, Table 11.19.2-2, and dividing by 2,000 pounds per ton.

- c. Emission Limitation

10% opacity, as a 6-minute average

Applicable Compliance Method

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

28

Melvi

PTI A

Issued: 3/29/00

Emissions Unit ID: **F006**

Subpart 000.

F. Miscellaneous Requirements

None

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>
F007 - Primary Plant Material Handling-Five 1200 TPH Conveyors Modified In 1997	OAC rule 3745-31-05	0.6 lb/hr and 0.6 TPY PM
	NSPS 40 CFR Part 60, Subpart OOO	10% opacity, as a 6-minute average (See Sections A.2.c. and A.2.d.)
	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
	OAC rule 3745-17-07(B)(1) (See Section A.2.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) (See Section A.2.b.)	Reasonably available control measures (RACM). (See Section A.2.b.)

2. Additional Terms and Conditions

- 2.a The hourly emission limitation was 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, the stated visible emission opacity requirement, and the application of RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.
- 2.c The aggregate materials processed through the conveyors shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the conveyors and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
- 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

- 1. The maximum annual production rate for this facility shall not exceed 2,500,000 tons.
- 2. The inherent moisture content of the raw material processed shall not be any less than 2.88%.

C. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.
- 2. The permittee shall test the inherent moisture content of the raw material on an annual basis.

D. Reporting Requirements

- 1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for the facility, as well as the corrective actions that were taken to achieve compliance. The results of the annual raw material's inherent moisture content shall also be included. These reports shall be submitted by January 31 of each year.
- 2. The permittee shall notify the Director [the appropriate Ohio EPA District Office or local air agency (LAA)] 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 LAA) within 30 days after the exceedance occurs.

Melvin Stone Co
PTI Application: 05 10422
Issued

Facility ID: 0514000147

Emissions Unit ID: F007

3. 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 of 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 - Permit Management Unit
P.O. Box 163669
Columbus, Ohio 43216-3669

and

Ohio Environmental Protection Agency
Southwest District Office
DAPC
401 E. Fifth Street
Dayton, Ohio 45402-2911

E. Testing Requirements

1. Within 60 days of reaching maximum production, this facility shall conduct, or have conducted, an opacity test for F007 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 60.675].

Not later than 30 days prior to the proposed test date(s), this facility shall submit an Intent to Test (ITT) notification to the Ohio EPA Southwest District Office (OEPA SWDO). The ITT 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 OEPA SWDO's refusal to accept the results of the

opacity test(s).

Personnel from OEPA SWDO 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 emission and opacity control at this plant). Data reduction of opacity readings (to determine compliance with opacity limitations) shall be based upon 6-minute averages, and if applicable, 3-minute averages.

A comprehensive written report of the results of the opacity test(s) (including opacity levels and the source operating parameters) shall be submitted to OEPA SWDO within 30 days following completion of the test(s).

2. During August of every year and/or upon relocation of this portable emissions unit, this facility shall sample the inherent moisture content of the raw material processed at the facility's current location.
3. Compliance with the emission limitation in this permit for emissions unit F007 shall be determined in accordance with the following method(s):

- a. Emission Limitation

0.6 lb/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rates of each conveyor by the emission factor of 1.008 E-4 lb/ton, as specified in AP-42, Table 11.19.2-2, and summing the emission rates for all five conveyors.

- b. Emission Limitation

0.6 TPY PM

Applicable Compliance Method

Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for the calendar year, multiplying by 5 (for the five conveyors), and then multiplying by the emission factor of 1.008 E-4 lb/ton, as specified in AP-42, Table 11.19.2-2, and dividing by 2,000 pounds per ton.

c. Emission Limitation

10% opacity, as a 6-minute average

Applicable Compliance Method

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

F. Miscellaneous Requirements

None

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>
F008 - Secondary Plant-1200 TPH Cedar Rapids Single Cage Secondary 60 Inch Cage Crusher Modified In 1997	OAC rule 3745-31-05	1.5 lbs/hr and 1.5 TPY PM
	NSPS 40 CFR Part 60, Subpart OOO	15% opacity, as a 6-minute average (See Sections A.2.c. and A.2.d.)
	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
	OAC rule 3745-17-07(B)(1) (See Section A.2.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) (See Section A.2.b.)	Reasonably available control measures (RACM). (See Section A.2.b.)

2. Additional Terms and Conditions

- 2.a The hourly emission limitation was 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, the stated visible emission opacity requirement, and the application of RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.
- 2.c The aggregate materials processed through the secondary crusher shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the conveyors and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
- 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

- 1. The maximum annual production rate for this facility shall not exceed 2,500,000 tons.
- 2. The inherent moisture content of the raw material processed shall not be any less than 2.88%.

C. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.
- 2. The permittee shall test the inherent moisture content of the raw material on an annual basis.

D. Reporting Requirements

- 1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for the facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
- 2. The permittee shall notify the Director [the appropriate Ohio EPA District Office or local air agency (LAA)] 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 LAA) within 30 days after the exceedance occurs.

Melvin Stone Co
PTI Application: 05 10422
Issued

Facility ID: 0514000147

Emissions Unit ID: F008

3. 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 of 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 - Permit Management Unit
P.O. Box 163669
Columbus, Ohio 43216-3669

and

Ohio Environmental Protection Agency
Southwest District Office
DAPC
401 E. Fifth Street
Dayton, Ohio 45402-2911

E. Testing Requirements

1. Within 60 days of reaching maximum production, this facility shall conduct, or have conducted, an opacity test for F008 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 60.675].

Not later than 30 days prior to the proposed test date(s), this facility shall submit an Intent to Test (ITT) notification to the Ohio EPA Southwest District Office (OEPA SWDO). The ITT 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 OEPA SWDO's refusal to accept the results of the opacity test(s).

Personnel from OEPA SWDO 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 emission and opacity control at this plant). Data reduction of opacity readings (to determine compliance with opacity limitations) shall be based upon 6-minute averages, and if applicable, 3-minute averages.

A comprehensive written report of the results of the opacity test(s) (including opacity levels and the source operating parameters) shall be submitted to OEPA SWDO within 30 days following completion of the test(s).

2. During August of every year, this facility shall sample the inherent moisture content of the raw material processed at the facility's current location.
3. Compliance with the emission limitation in this permit for emissions unit F008 shall be determined in accordance with the following method(s):

- a. Emission Limitation

1.5 lbs/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 1200 tons/hour by the emission factor of 0.001239 lb/ton, as specified in AP-42, Table 11.19.2-2.

- b. Emission Limitation

1.5 TPY PM

Applicable Compliance Method

Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of 0.001239 lb/ton, as specified in AP-42, Table 11.19.2-2, and dividing by 2,000 pounds per ton.

- c. Emission Limitation

Melvin Stone Co
PTI Application: 05 10422
Issued

Facility ID: 0514000147

Emissions Unit ID: F008

15% opacity, as a 6-minute average

Applicable Compliance Method

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

F. Miscellaneous Requirements

None

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>
F009 - Secondary Plant-1200 TPH Stedman Triple Roll Secondary 4132-3 Model Crusher Modified In 1997	OAC rule 3745-31-05 NSPS 40 CFR Part 60, Subpart OOO OAC rule 3745-17-11(B) OAC rule 3745-17-07(B)(1) (See Section A.2.b.) OAC rule 3745-17-08(B) (See Section A.2.b.)	1.5 lbs/hr and 1.5 TPY PM 15% opacity, as a 6-minute average (See Sections A.2.c. and A.2.d.) The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05. The visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average (See Section A.2.b.) Reasonably available control measures (RACM). (See Section A.2.b.)

2. Additional Terms and Conditions

- 2.a The hourly emission limitation was 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, the stated visible emission opacity requirement, and the application of RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.
- 2.c** The aggregate materials processed through the secondary crusher shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the conveyors and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
- 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

- 1. The maximum annual production rate for this facility shall not exceed 2,500,000 tons.
- 2. The inherent moisture content of the raw material processed shall not be any less than 2.88%.

C. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.
- 2. The permittee shall test the inherent moisture content of the raw material on an annual basis.

D. Reporting Requirements

- 1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for the facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
- 2. The permittee shall notify the Director [the appropriate Ohio EPA District Office or local air agency (LAA)] 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 LAA) within 30 days after the exceedance occurs.

3. 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 of 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 - Permit Management Unit
P.O. Box 163669
Columbus, Ohio 43216-3669

and

Ohio Environmental Protection Agency
Southwest District Office
DAPC
401 E. Fifth Street
Dayton, Ohio 45402-2911

E. Testing Requirements

1. Within 60 days of reaching maximum production, this facility shall conduct, or have conducted, an opacity test for F009 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 60.675].

Not later than 30 days prior to the proposed test date(s), this facility shall submit an Intent to Test (ITT) notification to the Ohio EPA Southwest District Office (OEPA SWDO). The ITT 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 OEPA SWDO's refusal to accept the results of the opacity test(s).

Personnel from OEPA SWDO 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 emission and opacity control at this plant). Data reduction of opacity readings (to determine compliance with opacity limitations) shall be based upon 6-minute averages, and if applicable, 3-minute averages.

A comprehensive written report of the results of the opacity test(s) (including opacity levels and the source operating parameters) shall be submitted to OEPA SWDO within 30 days following completion of the test(s).

2. During August of every year, this facility shall sample the inherent moisture content of the raw material processed at the facility's current location.
3. Compliance with the emission limitation in this permit for emissions unit F009 shall be determined in accordance with the following method(s):

- a. Emission Limitation

1.5 lbs/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 1200 tons/hour by the emission factor of 0.001239 lb/ton, as specified in AP-42, Table 11.19.2-2.

- b. Emission Limitation

1.5 TPY PM

Applicable Compliance Method

Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of 0.001239 lb/ton, as specified in AP-42, Table 11.19.2-2, and dividing by 2,000 pounds per ton.

- c. Emission Limitation

15% opacity, as a 6-minute average

Applicable Compliance Method

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

F. Miscellaneous Requirements

None

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>
F010 - Secondary Plant-1200 TPH Triple Roll Pioneer Tertiary 3040 Model Crusher Modified In 1997	OAC rule 3745-31-05	1.5 lbs/hr and 1.5 TPY PM
	NSPS 40 CFR Part 60, Subpart OOO	15% opacity, as a 6-minute average (See Sections A.2.c. and A.2.d.)
	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
	OAC rule 3745-17-07(B)(1) (See Section A.2.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) (See Section A.2.b.)	Reasonably available control measures (RACM). (See Section A.2.b.)

2. Additional Terms and Conditions

- 2.a The hourly emission limitation was 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, the stated visible emission opacity requirement, and the application of RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.
- 2.c** The aggregate materials processed through the tertiary crusher shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the conveyors and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
- 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

1. The maximum annual production rate for this facility shall not exceed 2,500,000 tons.
2. The inherent moisture content of the raw material processed shall not be any less than 2.88%.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.
2. The permittee shall test the inherent moisture content of the raw material on an annual basis.

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for the facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
2. The permittee shall notify the Director [the appropriate Ohio EPA District Office or local air agency (LAA)] 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 LAA) within 30 days after the exceedance occurs.
3. 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 of 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 - Permit Management Unit
P.O. Box 163669
Columbus, Ohio 43216-3669

and

Ohio Environmental Protection Agency
Southwest District Office
DAPC
401 E. Fifth Street
Dayton, Ohio 45402-2911

E. Testing Requirements

1. Within 60 days of reaching maximum production, this facility shall conduct, or have conducted, an opacity test for F010 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 60.675].

Not later than 30 days prior to the proposed test date(s), this facility shall submit an Intent to Test (ITT) notification to the Ohio EPA Southwest District Office (OEPA SWDO). The ITT 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 OEPA SWDO's refusal to accept the results of the opacity test(s).

Personnel from OEPA SWDO 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 emission and opacity control at this plant). Data reduction of opacity readings (to determine compliance with opacity limitations) shall be based upon 6-minute averages, and if applicable, 3-minute averages.

A comprehensive written report of the results of the opacity test(s) (including opacity levels and the source operating parameters) shall be submitted to OEPA SWDO within 30 days following completion of the test(s).

2. During August of every year, this facility shall sample the inherent moisture content of the raw material processed at the facility's current location.
3. Compliance with the emission limitation in this permit for emissions unit F010 shall be determined in accordance with the following method(s):
 - a. Emission Limitation

1.5 lbs/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 1200 tons/hour by the emission factor of 0.001239 lb/ton, as specified in AP-42, Table 11.19.2-2.
 - b. Emission Limitation

1.5 TPY PM

Applicable Compliance Method

Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of 0.001239 lb/ton, as specified in AP-42, Table 11.19.2-2, and dividing by 2,000 pounds per ton.
 - c. Emission Limitation

15% opacity, as a 6-minute average

Applicable Compliance Method

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

F. Miscellaneous Requirements

None

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>
F011 - Secondary Plant- Six 750 TPH Hewitt Robins Washing Screens-Two 6X20 And Two 5x16 Installed In 1997-Two 5X12 Installed In 1972 And Modified In 1997	OAC rule 3745-31-05	3.4 lbs/hr and 3.8 TPY PM
	NSPS 40 CFR Part 60, Subpart OOO	10% opacity, as a 6-minute average (See Sections A.2.c. and A.2.d.)
	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
	OAC rule 3745-17-07(B)(1) (See Section A.2.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) (See Section A.2.b.)	Reasonably available control measures (RACM). (See Section A.2.b.)

2. Additional Terms and Conditions

- 2.a The hourly emission limitation was 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, the stated visible emission opacity requirement, and the application of

RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.

- 2.c** The aggregate materials processed through the primary screen shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the screen and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
- 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

- 1. The maximum annual production rate for this facility shall not exceed 1,750,000 tons.
- 2. The inherent moisture content of the raw material processed shall not be any less than 2.88%.

C. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.
- 2. The permittee shall test the inherent moisture content of the raw material on an annual basis.

D. Reporting Requirements

- 1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for the facility, as well as the corrective actions that were taken to achieve compliance. The results of the annual raw material's inherent moisture content shall also be included. These reports shall be submitted by January 31 of each year.
- 2. The permittee shall notify the Director [the appropriate Ohio EPA District Office or local air agency (LAA)] 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 LAA) within 30 days after the exceedance occurs.

Melvin Stone Co
PTI Application: 05 10422
Issued

Facility ID: 0514000147

Emissions Unit ID: F011

3. 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 of 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 - Permit Management Unit
P.O. Box 163669
Columbus, Ohio 43216-3669

and

Ohio Environmental Protection Agency
Southwest District Office
DAPC
401 E. Fifth Street
Dayton, Ohio 45402-2911

E. Testing Requirements

1. During August of every year, this facility shall sample the inherent moisture content of the raw material processed at this facility.
2. Compliance with the emission limitation in this permit for emissions unit F011 shall be determined in accordance with the following method(s):
 - a. Emission Limitation

3.4 lbs/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of 750 tons/hour by the emission factor of 0.00441 lb/ton, as specified in AP-42, Table 11.19.2-2.

b. Emission Limitation

3.8 TPY PM

Applicable Compliance Method

Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of 0.00441 lb/ton, as specified in AP-42, Table 11.19.2-2, and dividing by 2,000 pounds per ton.

c. Emission Limitation

10% opacity, as a 6-minute average

Applicable Compliance Method

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

F. Miscellaneous Requirements

None

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>
F012 - Secondary Plant Material Handling-Thirty Six 1200 TPH Conveyors-2 Installed In 1997-34 Installed In 1972 And Modified In 1997	OAC rule 3745-31-05	4.4 lb/hr and 4.6 TPY PM
	NSPS 40 CFR Part 60, Subpart OOO	10% opacity, as a 6-minute average (See Sections A.2.c. and A.2.d.)
	OAC rule 3745-17-11(B)	The limit based on this rule is less stringent than the particulate limit established above as BAT under 3745-31-05.
	OAC rule 3745-17-07(B)(1) (See Section A.2.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) (See Section A.2.b.)	Reasonably available control measures (RACM). (See Section A.2.b.)

2. Additional Terms and Conditions

- 2.a The hourly emission limitation was 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, the stated visible emission opacity requirement, and the application of

Melvin Stone Co
PTI Application: 05 10422
Issued

Facility ID: 0514000147

Emissions Unit ID: F012

RACM are not applicable since the emissions unit is not located in an Appendix A area as specified in OAC rule 3745-17-08.

2.c The aggregate materials processed through the conveyors shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the conveyors and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.

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

1. The maximum annual production rate for this facility shall not exceed 2,500,000 tons.
1. The inherent moisture content of the raw material processed shall not be any less than 2.88%.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.
2. The permittee shall test the inherent moisture content of the raw material on an annual basis.

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for the facility, as well as the corrective actions that were taken to achieve compliance. The results of the annual raw material's inherent moisture content shall also be included. These reports shall be submitted by January 31 of each year.
2. The permittee shall notify the Director [the appropriate Ohio EPA District Office or local air agency (LAA)] 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 LAA) within 30 days after the exceedance occurs.
3. 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 of 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 - Permit Management Unit
P.O. Box 163669
Columbus, Ohio 43216-3669

and

Ohio Environmental Protection Agency
Southwest District Office
DAPC
401 E. Fifth Street
Dayton, Ohio 45402-2911

E. Testing Requirements

1. Within 60 days of reaching maximum production, this facility shall conduct, or have conducted, an opacity test for F012, except for the conveyors following F011, (24" x 42' C32, 24" x 104' C33, 24" x 42' C34, 24" x 104' C35, 24" x 39' C36, 24" x 104' C37, 24" x 39' C38, 24" x 104' C39, 24" x 160' C40, 24" x 125' C41, 24" x 130' C42, 24" x 38' C43, 24" x 26' C44, 24" x 85' C45 and 24" x 150' C46) 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 60.675].

Not later than 30 days prior to the proposed test date(s), this facility shall submit an Intent to Test (ITT) notification to the Ohio EPA Southwest District Office (OEPA SWDO). The ITT 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 OEPA SWDO's refusal to accept the results of the

opacity test(s).

Personnel from OEPA SWDO 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 emission and opacity control at this plant). Data reduction of opacity readings (to determine compliance with opacity limitations) shall be based upon 6-minute averages, and if applicable, 3-minute averages.

A comprehensive written report of the results of the opacity test(s) (including opacity levels and the source operating parameters) shall be submitted to OEPA SWDO within 30 days following completion of the test(s).

2. During August of every year and/or upon relocation of this portable emissions unit, this facility shall sample the inherent moisture content of the raw material processed at the facility's current location.
3. Compliance with the emission limitation in this permit for emissions unit F012 shall be determined in accordance with the following method(s):

a. Emission Limitation

4.4 lbs/hr PM

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rates of each conveyor by the emission factor of 1.008 E-4 lb/ton, as specified in AP-42, Table 11.19.2-2, and summing the emission rates for all thirty-four conveyors.

b. Emission Limitation

4.6 TPY PM

Applicable Compliance Method

Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for the calendar year, multiplying by 34 (for the thirty-four conveyors), and then multiplying by the emission factor of 1.008 E-4 lb/ton, as specified in AP-42, Table 11.19.2-2, and dividing by 2,000 pounds per ton.

c. Emission Limitation

10% opacity, as a 6-minute average

Applicable Compliance Method

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

59

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Issued: 3/29/00

Emissions Unit ID: **F012**

F. Miscellaneous Requirements

None