



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL CERTIFIED MAIL
HANCOCK 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: 03-13276

DATE: 2/2/00

National Lime & Stone Co
Ryan Phillips
551 Lake Cascades Pkwy
Findlay, OH 45839

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

NWDO



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install

Issue Date: 2/2/00

FINAL PERMIT TO INSTALL 03-13276

Application Number: 03-13276
APS Premise Number: 0332010059
Permit Fee: **\$2100**
Name of Facility: National Lime & Stone Co
Person to Contact: Ryan Phillips
Address: 551 Lake Cascades Pkwy
Findlay, OH 45839

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

**9860 County Rd 313
Findlay, Ohio**

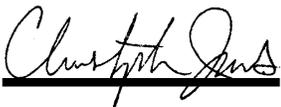
Description of proposed emissions unit(s):

750 TPH secondary aggregate line, 500 TPH tertiary aggregate line, and 1000 TPH railcar loadout system (modifications).

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

National Lime & Stone Co
PTI Application: 03-13276
Issued: 2/2/00

Facility ID: 0332010059

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	14.70*
PM10	6.84

* PM10 is included in the total PE.

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

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
750 TPH Secondary Aggregate Line with Water Sprays (Modification)	OAC rule 3745-31-05	10.93 tons of PE/year (fugitive)* 5.05 tons of PM ₁₀ /year (fugitive)
		Use of best available control measures
	OAC rule 3745-17-07 (B)	None (See A.2.d)
	OAC rule 3745-17-08 (B)	None (See A.2.c)
	40 CFR Part 60 Subpart OOO	10% opacity for transfer points and screening operations (See A.2.f) 15% opacity for the tertiary crusher, at which a capture system is not used (See A.2.f) 0.05 g/dscm for the secondary crushers controlled by a baghouse

* PM₁₀ is included in the total PE

2. Additional Terms and Conditions

- 2.a The permittee shall employ best available control measures on all material processing and handling emission points associated with the aggregate processing plant for the purpose of ensuring compliance with all applicable requirements. In accordance with the PTI application, the permittee has committed to applying water, or any other suitable dust

Emissions Unit ID: **F019**

suppressant, at appropriate locations on the aggregate processing line. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.b** The above mentioned control measure(s) shall be employed for the appropriate material processing and handling emission points of the aggregate processing plant if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material processing and handling operation(s) until further observation confirms that use of the control measure(s) is necessary.
- 2.c** The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08 (A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08 (B).
- 2.d** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (B) pursuant to OAC rule 3745-17-07 (B)(11)(e).
- 2.e** In accordance with 40 CFR, Part 60, Section 60.672 (a), the baghouse controlling the secondary crushers (Stedman Horizontal and Cage Mill) shall not discharge into the atmosphere any stack emissions which contain particulate matter in excess of 0.05 g/dscm.
- 2.f** Visible particulate emissions from the aggregate processing equipment included under this permit shall not exceed the following opacity restrictions:

<u>Emissions Point</u>	<u>Equipment Type</u>	<u>Opacity Limit</u>	<u>Regulatory Basis</u>
Feeder #1 - Conveyor #12	Transfer Point	10%	NSPS, Subpart OOO
Feeder #2 - Conveyor #12	Transfer Point	10%	NSPS, Subpart OOO
Conveyor #12 - Conveyor #13	Transfer Point	10%	NSPS, Subpart OOO
Conveyor #13 - Primary Screen	Transfer Point	10%	NSPS, Subpart OOO

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PTI A
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Emissions Unit ID: **F019**

Primary Screen	Screen	10%	NSPS, Subpart OOO
Primary Screen - Conveyor #21	Transfer Point	10%	NSPS, Subpart OOO
Conveyor #21 - Conveyor #22	Transfer Point	10%	NSPS, Subpart OOO

Conveyor #22 - Stock Pile	Transfer Point	10%	NSPS, Subpart OOO
Primary Screen - Conveyor #19	Transfer Point	10%	NSPS, Subpart OOO
Conveyor #19 - Conveyor #20	Transfer Point	10%	NSPS, Subpart OOO
Conveyor #20 - Stock Pile	Transfer Point	10%	NSPS, Subpart OOO
Primary Screen - Conveyor #14	Transfer Point	10%	NSPS, Subpart OOO
Conveyor #14 - Surge Bin w/ Vibrating Conveyors	Transfer Point	10%	NSPS, Subpart OOO
Surge Bin w/ Vibrating Conveyors	Transfer Point	10%	NSPS, Subpart OOO
Surge Bin w/ Vibrating Conveyors - Secondary Crusher (Stedman Horiz.)	Transfer Point	10%	NSPS, Subpart OOO
Secondary Crusher (Stedman Horiz.)	Secondary Crusher	See A.2.e	NSPS, Subpart OOO
Secondary Crusher (Stedman Horiz.) - Conveyor #13	Transfer Point	10%	NSPS, Subpart OOO
Surge Bin w/ Vibrating	Transfer Point	10%	NSPS, Subpart OOO

Conveyor - Secondary Crusher (Stedman Cage Mill)				
Secondary Crusher (Cage Mill)	Secondary Crusher	See A.2.e		NSPS, Subpart OOO
Secondary Crusher (Cage Mill) - Conveyor #13	Transfer Point	10%		NSPS, Subpart OOO
Primary Screen - Conveyor #23 or Conveyor #17-	Transfer Point	10%		NSPS, Subpart OOO
Conveyor #23 - Tertiary Crusher (Canica)	Transfer Point	10%		NSPS, Subpart OOO
Tertiary Crusher (Canica)	Tertiary Crusher	15%		NSPS, Subpart OOO
Tertiary Crusher (Canica) - Conveyor #17	Transfer Point	10%		NSPS, Subpart OOO
Conveyor #17 - Conveyor #18	Transfer Point	10%		NSPS, Subpart OOO
Conveyor #18 - Stock Pile	Transfer Point	10%		NSPS, Subpart OOO
Baghouse Discharge - Conveyor #13	Transfer Point	10%		NSPS, Subpart OOO

B. Operational Restrictions

1. The maximum annual aggregate throughput for this emissions unit shall not exceed 2,250,000

tons.

2. The pressure drop across the baghouse associated with this emissions units shall be maintained within the range of * inches of water while the emissions unit is in operation.

* Not more than 60 days following the issuance of this permit, the permittee shall notify the Ohio EPA, Northwest District Office, in writing, of the pressure drop across the baghouse. The permittee shall operate the baghouse in accordance with these reported values.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the amount (tons per month and total tons, to date, for the calendar year) of aggregate processed through the secondary crushing system of emissions unit F019.
2. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
3. Except as otherwise provided in this section, the permittee shall perform daily inspections of the aggregate processing plant emission points specified in section A.2.f. These inspections shall be performed during expected worst case operating conditions.
4. The permittee may, upon receipt of written approval from the Ohio EPA, Northwest District Office, modify the above-mentioned inspection frequency if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
5. The permittee shall maintain records of the following information:
 - a. the date and reason why any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measure(s) was (were) implemented;
 - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 5.d shall be kept separately for each aggregate processing plant emission point identified in section A.2.f, 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 annual reports that identify any exceedances of the annual aggregate

Emissions Unit ID: F019

throughput limitation, as well as the corrective actions taken to achieve compliance. These reports shall be submitted by January 31 of each year.

2. The permittee shall submit pressure drop deviation (excursion) reports that identify that all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in B.2.
3. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not performed.
4. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation: 10.93 tons of PE per year and 5.05 tons of PM₁₀ per year

Applicable Compliance Method: Compliance with the emission limitations shall be determined in accordance with the record keeping requirements in C.1 and AP-42 emission factors (Crushed Stone Processing, Section 11.19.2, 1/95).
 - b. Emission Limitation: 10% opacity for transfer points and screens

Applicable Compliance Method: Method 9 of 40 CFR Part 60, Appendix A (See Section E.2)
 - c. Emission Limitation: 0.05 g/dscm for secondary crushers

Applicable Compliance Method: Method 5 of 40 CFR Part 60, Appendix A (See Section E.2)
 - d. Emission Limitation: 15% opacity for tertiary crushers (See Section E.2)

Applicable Compliance Method: Method 9 of 40 CFR Part 60, Appendix A

2. Emission Testing Requirements:

The permittee shall conduct, or have conducted, emission testing for all transfer points, screens, and the secondary crushers of emissions unit F019. [Note: Any transfer points, screens, and secondary crushers for which emission testing was previously conducted during the opacity tests performed in accordance with the requirements of 40 CFR Part 60 Subpart OOO in the months of June and August, 1997 are exempt from this requirement.]

Testing shall be conducted in accordance with the provisions of 40 CFR Part 60, Subpart A, Section 60.8 and 40 CFR Part 60, Subpart OOO, Section 60.675.

The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility and at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates for particulate emissions.

Method 9 of 40 CFR, Part 60, Appendix A shall be the test method employed to demonstrate compliance with the allowable visible emission rates. Method 5 of 40 CFR, Part 60, Appendix A shall be the test method employed to demonstrate compliance with the mass allowable emission rate of 0.05 g/dscm for the secondary crushers.

The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio Environmental Protection Agency, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio Environmental Protection Agency, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Northwest District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA Northwest District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions unit and/or the performance of the control equipment. A comprehensive written report on the emissions test(s) shall be signed by the person or persons responsible for the test(s) and submitted to the Ohio Environmental Protection Agency, Northwest District Office, Division of Air Pollution Control within 30 days following completion of the tests.

National Lime & Stone Co
PTI Application: 03 13376
Issued

Facility ID: 0332010059

Emissions Unit ID: F019

F. Miscellaneous Requirements

None.

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

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>
500 TPH Tertiary Aggregate Line with Water Sprays (Modification)	OAC rule 3745-31-05	2.49 tons of PE/year (fugitive)* 1.17 tons of PM ₁₀ /year (fugitive)
		Use of best available control measures
	OAC rule 3745-17-07 (B)	None (See A.2.d)
	OAC rule 3745-17-08 (B)	None (See A.2.c)
	40 CFR Part 60 Subpart OOO	10% opacity for dry transfer points and screening operations (See A.2.e)
		No visible emissions from wet screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill, or surge bin (See A.2.e)

* PM₁₀ is included in the total PE

2. Additional Terms and Conditions

- 2.a** The permittee shall employ best available control measures on all material processing and

handling emission points associated with the aggregate processing plant for the purpose of ensuring compliance with all applicable requirements. In accordance with the PTI application, the permittee has committed to applying water, or any other suitable dust suppressant, at appropriate locations on the aggregate processing line. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.b** The above mentioned control measure(s) shall be employed for the appropriate material processing and handling emission points of the aggregate processing plant if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material processing and handling operation(s) until further observation confirms that use of the control measure(s) is necessary.
- 2.c** The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08 (A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08 (B).
- 2.d** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (B) pursuant to OAC rule 3745-17-07 (B)(11)(e).
- 2.e** Visible particulate emissions from the aggregate processing equipment included under this permit shall not exceed the following opacity restrictions:

<u>Emissions Point</u>	<u>Equipment Type</u>	<u>Opacity Limit</u>	<u>Regulatory Basis</u>
Feeder #3 - Conveyor #25	Transfer Point	10%	NSPS, Subpart OOO
Conveyor #25 - Tertiary Wash Screen	Transfer Point	10%	NSPS, Subpart OOO
Tertiary Wash Screen	Screen	No Visible Emissions	NSPS, Subpart OOO
Tertiary Wash Screen -	Transfer Point	No Visible Emissions	NSPS, Subpart OOO

Emissions Unit ID: F020

Conveyor #26			
Conveyor #26 - Conveyor #27	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Conveyor #27 - Stock Pile	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Tertiary Wash Screen - Conveyor #28	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Conveyor #28 - Conveyor #29	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Conveyor #29 - Stock Pile	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Tertiary Wash Screen - Conveyor #32	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Conveyor #32 - Conveyor #33	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Conveyor #33 - Stock Pile	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Tertiary Wash Screen - Sand Wash Screw	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Sand Wash Screw - Conveyor #30	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Conveyor #30 - Conveyor #31	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Conveyor #31 - Stock Pile	Transfer Point	No Visible Emissions	NSPS, Subpart OOO

B. Operational Restrictions

1. The maximum annual aggregate throughput for this emissions unit shall not exceed 1,150,000 tons.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the amount (tons per month and total tons, to date, for the calendar year) of aggregate processed through emissions unit F020.
2. Except as otherwise provided in this section, the permittee shall perform daily inspections of the aggregate processing plant emission points specified in A.2.e. These inspections shall be performed during expected worst case operating conditions.
3. The permittee may, upon receipt of written approval from the Ohio EPA, Northwest District Office, modify the above-mentioned inspection frequency 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 any reason why any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - c. the dates the control measure(s) was (were) implemented; and
 - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 4.d shall be kept separately for each aggregate processing plant emission point identified in A.2.e, and shall be updated on a calendar quarter basis within 30 days after the end of the calendar quarter.

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual aggregate throughput limitation, as well as the corrective actions taken to achieve compliance. These reports shall be submitted by January 31 of each year.

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

E. Testing Requirements

1. Compliance with the emission limitations in this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation: 2.49 tons of PE per year and 1.17 tons of PM₁₀ per year

Applicable Compliance Method: Compliance with the emission limitations shall be determined in accordance with the record keeping requirements in C.1 and AP-42 emission factors (Crushed Stone Processing, Section 11.19.2, 1/95).
 - b. Emission Limitation: 10% opacity for transfer points and screens

Applicable Compliance Method: Method 9 of 40 CFR Part 60, Appendix A (See Section E.2)
 - c. Emission Limitation: No visible emissions from wet screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill, or surge bin

Applicable Compliance Method: Method 22 of 40 CFR Part 60, Appendix A (See Section E.2)
2. Emission Testing Requirements:

The permittee shall conduct, or have conducted, emission testing for all transfer points and screens of emissions unit F020. [Note: Any transfer points and screens for which emission testing was previously conducted during the opacity tests performed in accordance with the requirements of 40 CFR Part 60 Subpart OOO in the months of June and August, 1997 are exempt from this

requirement.]

Testing shall be conducted in accordance with the provisions of 40 CFR Part 60, Subpart A, Section 60.8 and 40 CFR Part 60, Subpart OOO, Section 60.675.

The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility and at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates for particulate emissions.

Method 9 of 40 CFR, Part 60, Appendix A shall be the test method employed to demonstrate compliance with the allowable visible emission rates.

The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio Environmental Protection Agency, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio Environmental Protection Agency, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Northwest District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA Northwest District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions unit and/or the performance of the control equipment. A comprehensive written report on the emissions test(s) shall be signed by the person or persons responsible for the test(s) and submitted to the Ohio Environmental Protection Agency, Northwest District Office, Division of Air Pollution Control within 30 days following completion of the tests.

F. Miscellaneous Requirements

None.

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

A. Applicable Emissions Limitations and/or Control Requirements

- 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>
1000 TPH Railcar Loadout System with Wet Washing System	OAC rule 3745-31-05	1.28 tons of PE/year (fugitive)* 0.62 ton of PM ₁₀ /year (fugitive)
	OAC rule 3745-17-07 (B)	20% opacity, as a three-minute average for front end loader unloading
	OAC rule 3745-17-08 (B)	Use of best available control measures
	40 CFR Part 60 Subpart OOO	None (See A.2.d)
		None (See A.2.c)
		10% opacity for transfer points and screening operations (See A.2.e)
		No visible emissions from wet screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill, or surge bin (See A.2.e)

* PM₁₀ is included in the total PE

2. Additional Terms and Conditions

- 2.a** The permittee shall employ best available control measures on all material processing and handling emission points associated with the aggregate processing plant for the purpose of ensuring compliance with all applicable requirements. In accordance with the PTI application, the permittee has committed to applying water, or any other suitable dust suppressant, at appropriate locations on the aggregate processing line. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.b** The above mentioned control measure(s) shall be employed for the appropriate material processing and handling emission points of the aggregate processing plant if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material processing and handling operation(s) until further observation confirms that use of the control measure(s) is necessary.
- 2.c** The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08 (A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08 (B).
- 2.d** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (B) pursuant to OAC rule 3745-17-07 (B)(11)(e).
- 2.e** Visible particulate emissions from the aggregate processing equipment included under this permit shall not exceed the following opacity restrictions:

<u>Emissions Point</u>	<u>Equipment Type</u>	<u>Opacity Limit</u>	<u>Regulatory Basis</u>
Front End Loader-Hopper	Transfer Point	10%	NSPS, Subpart OOO
Hopper - Conveyor #16	Transfer Point	10%	NSPS, Subpart OOO
Conveyor #16 - Conveyor #20	Transfer Point	10%	NSPS, Subpart OOO

Conveyor #20 - Stockpile	Transfer Point	10%	NSPS, Subpart OOO
Stockpile - Conveyor #34	Transfer Point	10%	NSPS, Subpart OOO
Conveyor #34 - Rail Wash Screen	Transfer Point	10%	NSPS, Subpart OOO
Rail Wash Screen	Screen	No Visible Emissions	NSPS, Subpart OOO
Rail Wash Screen - Conveyor #35	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Conveyor #35 - Surge Pile	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Front End Loader - Hopper	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Hopper - Conveyor #36	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Conveyor #36 - Conveyor #37	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Conveyor #37 - Conveyor #38	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Conveyor #38 - Railcar	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Surge Pile - Conveyor #37	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Conveyor #37 - Conveyor #38	Transfer Point	No Visible Emissions	NSPS, Subpart OOO
Conveyor #38 -	Transfer Point	No Visible Emissions	NSPS, Subpart OOO

Railcar

Emissions

B. Operational Restrictions

1. The maximum annual aggregate throughput for this emissions unit shall not exceed 800,000 tons.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the amount (tons per month and total tons, to date, for the calendar year) of aggregate processed through emissions unit F021.
2. Except as otherwise provided in this section, the permittee shall perform daily inspections of the aggregate processing plant emission points specified in A.2.e. These inspections shall be performed during expected worst case operating conditions.
3. The permittee may, upon receipt of written approval from the Ohio EPA Northwest District Office, modify the above-mentioned inspection frequency 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 why any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - c. the dates the control measure(s) was (were) implemented; and
 - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 4.d shall be kept separately for each aggregate processing plant emission point identified in A.2.e, 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 annual reports that identify any exceedances of the annual aggregate throughput limitation, as well as the corrective actions taken to achieve compliance. These reports

shall be submitted by January 31 of each year.

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

E. Testing Requirements

1. Compliance with the emission limitations in this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation: 1.28 tons of PE per year and 0.62 tons of PM₁₀ per year

Applicable Compliance Method: Compliance with the emission limitations shall be determined in accordance with the record keeping requirements in section C.1 and AP-42 emission factors (Crushed Stone Processing, Section 11.19.2, 1/95).
 - b. Emission Limitation: 10% opacity for transfer points and screens

Applicable Compliance Method: Method 9 of 40 CFR Part 60, Appendix A
 - c. Emission Limitation: 20% opacity for front end loader unloading

Applicable Compliance Method: Method 9 of 40 CFR Part 60, Appendix A (See Section A.2)
 - d. Emission Limitation: No visible emissions from wet screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill, or surge bin

Applicable Compliance Method: Method 22 of 40 CFR Part 60, Appendix A (See Section A.2)
2. Emission Testing Requirements:

The permittee shall conduct, or have conducted, emission testing for all transfer points and screens of emissions unit F021. [Note: Any transfer points and screens for which emission testing was previously conducted during the opacity tests performed in accordance with the requirements of 40 CFR Part 60 Subpart OOO in the months of June and August, 1997 are exempt from this requirement.]

Testing shall be conducted in accordance with the provisions of 40 CFR Part 60, Subpart A, Section 60.8 and 40 CFR Part 60, Subpart OOO, Section 60.675.

The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility and at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates for particulate emissions.

Method 9 of 40 CFR, Part 60, Appendix A shall be the test method employed to demonstrate compliance with the allowable visible emission rates.

The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio Environmental Protection Agency, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio Environmental Protection Agency, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Northwest District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA Northwest District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions unit and/or the performance of the control equipment. A comprehensive written report on the emissions test(s) shall be signed by the person or persons responsible for the test(s) and submitted to the Ohio Environmental Protection Agency, Northwest District Office, Division of Air Pollution Control within 30 days following completion of the tests.

F. Miscellaneous Requirements

None.