



Environmental Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

9/24/2012

Certified Mail

Andy Cvitkovich
US Gypsum Company
Lake Street
Gypsum, OH 43433

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 0362000078
Permit Number: P0109774
Permit Type: Administrative Modification
County: Ottawa

No	TOXIC REVIEW
Yes	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	MAJOR GHG
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install (PTI) which will allow you to install or modify the described emissions unit(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, we urge you to read it carefully. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

The Ohio EPA is encouraging 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 Compliance Assistance and Pollution Prevention at (614) 644-3469. If you have any questions regarding this permit, please contact the Ohio EPA DAPC, Northwest District Office. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: U.S. EPA
Ohio EPA-NWDO; Michigan; Canada



Response to Comments

Facility ID:	0362000078
Facility Name:	US Gypsum Company
Facility Description:	Gypsum products
Facility Address:	Lake Street Gypsum, OH 43433 Ottawa County
Permit:	P0109774, Permit-To-Install - Administrative Modification
A public notice for the draft permit issuance was published in the Ohio EPA Weekly Review and appeared in the Port Clinton News Herald on 08/16/2012. The comment period ended on 09/15/2012.	
Hearing date (if held)	
Hearing Public Notice Date (if different from draft public notice)	

The following comments were received during the comment period specified. Ohio EPA reviewed and considered all comments received during the public comment period. By law, Ohio EPA has authority to consider specific issues related to protection of the environment and public health. Often, public concerns fall outside the scope of that authority. For example, concerns about zoning issues are addressed at the local level. Ohio EPA may respond to those concerns in this document by identifying another government agency with more direct authority over the issue.

In an effort to help you review this document, the questions are grouped by topic and organized in a consistent format. PDF copies of the original comments in the format submitted are available upon request.

No comments were received.



FINAL

**Division of Air Pollution Control
Permit-to-Install
for
US Gypsum Company**

Facility ID:	0362000078
Permit Number:	P0109774
Permit Type:	Administrative Modification
Issued:	9/24/2012
Effective:	9/24/2012



Division of Air Pollution Control
Permit-to-Install
for
US Gypsum Company

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Authorization

Facility ID: 0362000078
Facility Description: Gypsum products
Application Number(s): A0043781, M0001602
Permit Number: P0109774
Permit Description: Administrative modification - add in equipment not reflected in current permit for the 'synthetic gypsum handling' operations (F004), and add NSPS applicability to permit for 'stucco /landplaster conveying -GFP' operations (P029 and P030)
Permit Type: Administrative Modification
Permit Fee: \$450.00
Issue Date: 9/24/2012
Effective Date: 9/24/2012

This document constitutes issuance to:

US Gypsum Company
Lake Street
Gypsum, OH 43433

of a Permit-to-Install for the emissions unit(s) identified on the following page.

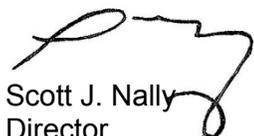
Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419)352-8461

The above named entity is hereby granted a Permit-to-Install for the emissions unit(s) listed in this section 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 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



Scott J. Nally
Director



Authorization (continued)

Permit Number: P0109774
Permit Description: Administrative modification - add in equipment not reflected in current permit for the 'synthetic gypsum handling' operations (F004), and add NSPS applicability to permit for 'stucco /landplaster conveying -GFP' operations (P029 and P030)

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

- | | |
|-----------------------------------|---|
| Emissions Unit ID: | F004 |
| Company Equipment ID: | Synthetic Gypsum Unloading, Storage & Conveying |
| Superseded Permit Number: | P0105319 |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | P029 |
| Company Equipment ID: | Stucco Conveying, Grinding & Storage Operations - GFP |
| Superseded Permit Number: | P0105319 |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | P030 |
| Company Equipment ID: | Fine Landplaster Conveying & Storage Operations - GFP |
| Superseded Permit Number: | P0105319 |
| General Permit Category and Type: | Not Applicable |

A. Standard Terms and Conditions



1. Federally Enforceable Standard Terms and Conditions

- a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:
 - (1) Standard Term and Condition A.2.a), Severability Clause
 - (2) Standard Term and Condition A.3.c) through A. 3.e)General Requirements
 - (3) Standard Term and Condition A.6.c) and A. 6.d), Compliance Requirements
 - (4) Standard Term and Condition A.9., Reporting Requirements
 - (5) Standard Term and Condition A.10., Applicability
 - (6) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install
 - (7) Standard Term and Condition A.14., Public Disclosure
 - (8) Standard Term and Condition A.15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations
 - (9) Standard Term and Condition A.16., Fees
 - (10) Standard Term and Condition A.17., Permit Transfers

2. Severability Clause

- a) A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.
- b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

3. General Requirements

- a) The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and re-issuance, or modification.

- b) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c) This permit may be modified, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d) This permit does not convey any property rights of any sort, or any exclusive privilege.
- e) 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 or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

4. Monitoring and Related Record Keeping and Reporting Requirements

- a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - (1) The date, place (as defined in the permit), and time of sampling or measurements.
 - (2) The date(s) analyses were performed.
 - (3) The company or entity that performed the analyses.
 - (4) The analytical techniques or methods used.
 - (5) The results of such analyses.
 - (6) The operating conditions existing at the time of sampling or measurement.
- b) 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.
- c) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - (1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Ohio EPA DAPC, Northwest District Office.
 - (2) Quarterly written reports of (i) any deviations from federally enforceable emission limitations, and (ii) any deviations from operational restrictions.

andcontroldeviceoperatingparameterlimitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the Ohio EPA DAPC, Northwest District Office. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See A.15. below if no deviations occurred during the quarter.

- (3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, andreportingrequirements contained in this permit shall be submitted (i.e., postmarked) to the Ohio EPA DAPC, Northwest District Office every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
 - (4) This permit is for an emissions unit located at a Title V facility. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
- d) The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

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, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the Ohio EPA DAPC, Northwest District Office in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to 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 emission unit(s) that is (are) served by such control system(s).

6. Compliance Requirements

- a) The emissions unit(s) identified in this Permit shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.
- b) Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- c) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

- (1) At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
 - (3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - (4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- d) The permittee shall submit progress reports to the Ohio EPA DAPC, Northwest District Office concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
- (1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - (2) An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

7. Best Available Technology

As specified in OAC Rule 3745-31-05, new sources that must employ Best Available Technology (BAT) shall comply with the Applicable Emission Limitations/Control Measures identified as BAT for each subject emissions unit.

8. 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.

9. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a) Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the Ohio EPA DAPC, Northwest District Office.
- 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 state-only required 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 Ohio EPA DAPC, Northwest District Office. If no deviations occurred during a calendar quarter, the permittee

shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

10. 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).

11. Construction of New Sources(s) and Authorization to Install

- a) This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. 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 this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.
- b) If applicable, authorization to install any new emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation. 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.
- c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as "permanently shut down" in Ohio EPA's "Air Services" along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).
- d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31). All

records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

No emissions unit certified by the authorized official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

- e) The permittee shall comply with any residual requirements related to this permit, such as the requirement to submit a deviation report, air fee emission report, or other any reporting required by this permit for the period the operating provisions of this permit were enforceable, or as required by regulation or law. All reports shall be submitted in a form and manner prescribed by the Director. All records relating to this permit must be maintained in accordance with law.

12. Permit-To-Operate Application

The permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77. The permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

13. Construction Compliance Certification

The applicant shall identify the following dates in the online facility profile for each new emissions unit identified in this permit.

- a) Completion of initial installation date shall be entered upon completion of construction and prior to start-up.
- b) Commence operation after installation or latest modification date shall be entered within 90 days after commencing operation of the applicable emissions unit.

14. 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.

15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

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., postmarked), by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

16. 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 any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

17. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The new owner must update and submit the ownership information via the "Owner/Contact Change" functionality in Air Services once the transfer is legally completed. The change must be submitted through Air Services within thirty days of the ownership transfer date.

18. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

19. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:
 - a) None.

C. Emissions Unit Terms and Conditions



1. F004, Synthetic Gypsum Unloading, Storage & Conveying

Operations, Property and/or Equipment Description:

(synthetic) gypsum - unloading, storage, and conveyance /transfer operations - with in-line crusher to break apart any 'conglomerated' chunks (crusher is Emissions Unit F002)

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-10 through OAC rule 3745-31-20	The applicant has committed to comply with the following Best Available Control Technology (BACT) Requirements: [See b)(2)a.] 1.64 tons fugitive particulate matter less than 10 microns (PM ₁₀) per rolling 12-month period 3.47 tons fugitive particulate emissions (PE) per rolling 12-month period Visible fugitive PE shall not exceed 10% opacity, as a six-minute average. [See b)(2)g.] Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)a through b)(2)f.]
b.	40 CFR 60.670 et seq. (NSPS Subpart OOO)	Visible fugitive emission restrictions [See b)(2)h.]
c.	OAC rule 3745-17-07(B)(1)	See b)(2)i.
d.	OAC rule 3745-17-08(B)(1)	See b)(2)j.

(2) Additional Terms and Conditions

- a. Based on the "Prevention of Significant Deterioration" (PSD) analysis conducted to ensure the application of "Best Available Control Technology" (BACT), BACT has been determined to be 'best available control measures'.
- b. The processes and material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

Excavator Unloader	Front End Loader
GFP Grizzly Screen	Mill Grizzly Feeder
A Belt Conveyor	D Belt Conveyor
B Belt Conveyor	Crusher Discharge Conveyor
C Belt Conveyor	Reclaim Conveyor
Dome Storage	#1 Conveyor
GFP Bin	Mill Rock Box
GFP Clay Feeder	Mill Clay Feeder
Weigh Belt	Dryer Feed Conveyor
Wet Screen	Synthetic Gypsum Storage Pile

The permittee shall employ best available control measures for the above-identified processes and material handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the materials involved in the screening operation and associated material handling operations will in many instances be at a level which is more than sufficient to comply with applicable requirements. If at any time the inherent moisture content is not sufficient to meet the above applicable requirements, the permittee has committed to perform watering of the screening operation that will result in material with a sufficient moisture content that will minimize or eliminate visible emissions of fugitive dust for the screening operation and subsequent material handling operations.

Nothing in this paragraph shall prohibit the permittee from employing other equally-effective control measures to ensure compliance.

- c. For each material processing and handling operation that is not adequately enclosed, the above-identified control measures shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measures is unnecessary.
- d. 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 3745-31-10 through OAC rule 3745-31-20.
- e. 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 application, the permittee has committed to perform watering to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- f. The above-identified control measure shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure is necessary to ensure compliance with the above-mentioned applicable requirement. Implementation of the control measure shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirement.
- g. Visible fugitive PE from any conveyance or transfer points associated with the equipment listed in b)(2)b shall not exceed 10% opacity, as a six-minute average.
- h. Visible fugitive PE from the synthetic gypsum processing equipment included under this permit shall not exceed the following opacity restrictions:

Emission Point (Company ID)	Equipment Type	Opacity Limit(as a 6- minuteaverage)	Regulatory Basis for Limit
Grizzly Feeder to (enclosed) D Belt Conveyor	Transfer Point	10 percent	NSPS Subpart 000
D Belt Conveyor to Crusher	Crusher Inlet	15 percent	NSPS Subpart 000
Crusher to (partially enclosed) Discharge Conveyor	Crusher Outlet	15 percent	NSPS Subpart 000
Discharge Conveyor to (enclosed) Reclaim Belt Conveyor	Transfer Point	10 percent	NSPS Subpart 000
Reclaim Belt Conveyor to (building contained) Conveyor #1	Transfer Point	7 percent *	NSPS Subpart 000
Conveyor #1 to Rock Box (storage)	Transfer Point	7 percent *	NSPS Subpart 000
Mill Rock Box (storage) to Clay Feeder (hopper)	Transfer Point	10 percent	NSPS Subpart 000
Mill Clay Feeder (hopper) to (Rock Dryer feed) Conveyor	Transfer Point	7 percent *	NSPS Subpart 000



Table with 4 columns: Emission Point (Company ID), Equipment Type, Opacity Limit(as a 6-minute average), Regulatory Basis for Limit. Row 1: Mill Rock Box (storage) direct feed to (Rock Dryer feed) Conveyor, Transfer Point, 7 percent *, NSPS Subpart OOO

* For transfer points on a conveyor belt or other affected facilities enclosed in a building, the building enclosing the affected facilities must comply with the following emission limits: Fugitive emissions from the building openings must not exceed 7 percent opacity, in accordance with 40 CFR 60.672(e).

- i. 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).
j. 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)(1).
k. The equipment associated with this emissions unit prior to the Grizzly Feeder is not associated with the 'crusher line', and is therefore not subject to New Source Performance Standard (NSPS) Subpart OOO.
c) Operational Restrictions
(1) None.
d) Monitoring and/or Recordkeeping Requirements
(1) Except as otherwise provided in this section, the permittee shall perform inspections of the fugitive dust operations/sources in b)(2)b and wind erosion from the synthetic gypsum storage pile, in accordance with the following frequencies:
processing /handling operations: all minimum inspection frequency: daily
(2) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures for particulate emissions. The inspections shall be performed during representative, normal operating conditions. No inspection shall be necessary for a for a fugitive dust operation/source 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 event shall be performed as soon as such event(s) has (have) ended, except if the next inspection is within one week.
(3) The permittee shall maintain records of the following information:
a. the date and reason any required inspection was not performed;

- b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control 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 d)(3)d shall be kept separately for each fugitive dust operation/source listed in b)(2)a, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursions) 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.

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

- (2) The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth under NSPS Subpart OOO in this permit, including reports of opacity observations made using Method 9 (40 CFR part 60, Appendix A-4) to demonstrate compliance with this subpart. [40 CFR 60.676(f)]
- (3) In accordance with NSPS requirements, the permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
 - a. for a crusher:
 - i. the rated capacity in tons per hour of the existing facility being replaced; and
 - ii. the rated capacity in tons per hour of the replacement equipment.

- b. for a screening operation:
 - i. the total surface area of the top screen of the existing screening operation being replaced; and
 - ii. the total surface area of the top screen of the replacement screening operation.
- c. for a conveyor belt:
 - i. the width of the existing belt being replaced; and
 - ii. the width of the replacement conveyor belt.
- d. for a storage bin;
 - i. the rated capacity in tons of the existing storage bin being replaced; and
 - ii. the rated capacity in tons of the replacement storage bins.

The notification shall be submitted to the Ohio EPA Northwest District Office within 30 days after the equipment replacement.
[40 CFR 60.676(a)]

- (4) All reports shall be submitted electronically through Ohio EPA Air Services, unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).
- f) Testing Requirements
- (1) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated but no later than 180 days after initial startup of the emissions unit. Testing timeframe(s) specified may be amended or waived for cause upon prior request of, and written approval of, the Ohio EPA.
 - b. The emission testing shall be conducted to demonstrate compliance with: visible fugitive emissions limitation(s) as set forth in b)(2)h.
 - c. The following test method(s) shall be employed to meet the testing requirements above: Method 9 of 40 CFR Part 60 Appendix A
 - d. The test(s) shall be conducted at a Maximum Source Operating Rate (MSOR), unless otherwise specified or approved by the Northwest District Office. MSOR is defined as the condition that is most likely to challenge the emission control measures with regards to meeting the applicable emission standard(s). Although it generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is

deemed the most challenging control scenario. Failure to test at the MSOR is justification for not accepting the test results as a demonstration of compliance.

- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Northwest District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of 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 Northwest District Office's refusal to accept the results of the emission test(s).
 - f. Personnel from the 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 from the emissions unit and/or the performance of the control equipment.
 - g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Northwest District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Northwest District Office.
 - h. Future testing requirements shall be determined /conducted in accordance with applicable rules, polices, etc. (i.e. Engineering Guide #16, OAC rule 3745-15-04, etc.). Testing time frame(s) specified may be amended or waived for cause upon prior request of, and written approval of, the Ohio EPA Northwest District Office.
- (2) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
- a. Emission Limitations:
1.64 tons of fugitive PM₁₀ per rolling, 12-month period
3.47 tons of fugitive PE per rolling, 12-month period

Applicable Compliance Method:
Compliance with these emission limitations were determined by using emission factor equations in AP-42 Section 13.2.4, (revised 11/06), for load-in and load-out operations and the USEPA's Handbook for Dust Control at Hazardous Waste Sites equations for wind erosion. These emission limits were based on a maximum production of 367,500 tons per year, and a maximum storage surface area of 0.918 acres.

Therefore, provided compliance is shown with the requirement to apply best available control measures, compliance with the tons fugitive PM₁₀ and PE per rolling, 12-month period limitations shall also be demonstrated.
 - b. Emission Limitations:
Visible fugitive PE shall not exceed 15% opacity, as a six-minute average [crusher discharge emissions - see b)(2)h]

Applicable Compliance Method:

Compliance with the visible emissions limitation shall be demonstrated by emissions testing requirements in f)(1) above.

c. Emission Limitations:

Visible fugitive PE shall not exceed 10% opacity, as a six-minute average
Visible fugitive PE shall not exceed 7% opacity (building enclosure)
[conveyance /transfer emissions - see b)(2)h]

Applicable Compliance Method:

Compliance with the visible emissions limitation shall be demonstrated by emissions testing requirements in f)(1) above.

d. Emission Limitations:

Visible fugitive PE shall not exceed 10% opacity, as a six-minute average
[all other emissions - see b)(2)b]

Applicable Compliance Method:

If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 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, 2002, and the modifications listed in paragraphs (B)(4)(b) through (B)(4)(c) of OAC rule 3745-17-03.

g) Miscellaneous Requirements

(1) None.



2. P029, Stucco Conveying, Grinding & Storage Operations - GFP

Operations, Property and/or Equipment Description:

GFP - Stucco Conveying, Grinding, and Storage

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-10 through OAC rule 3745-31-20	The applicant has committed to comply with the following Best Available Control Technology (BACT) Requirements: [See b)(2)a.] 0.020 grain particulate matter less than 10 microns (PM ₁₀) per dry standard cubic foot (dscf); 0.75 ton PM ₁₀ per year Visible (stack) PE shall not exceed 5% opacity, as a 6-minute average. 0.013 ton fugitive particulate emissions (PE) per year See b)(2)a. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)b through b)(2)d.]
b.	40 CFR 60.670 et seq. (NSPS Subpart OOO)	0.022 gr PE /dscf (from the baghouse stack) Visible fugitive emission restrictions [See b)(2)e.] See b)(2)f.
c.	OAC rule 3745-17-07(A)	See b)(2)g.
d.	OAC rule 3745-17-11(B)(2)	See b)(2)g.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
e	OAC rule 3745-17-07(B)(1)	See b)(2)h.
f	OAC rule 3745-17-08(B)(1)	See b)(2)i.

(2) Additional Terms and Conditions

- a. Based on the "Prevention of Significant Deterioration" (PSD) analysis conducted to ensure the application of "Best Available Control Technology" (BACT), BACT has been determined to be the use of a baghouse capable of meeting a maximum outlet concentration of 0.020 gr PM₁₀/dscf, and best available control measures for the bucket elevator transfer fugitive emissions.
- b. The permittee shall employ best available control measures for the above-identified material handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measures to ensure compliance: reduced drop heights for transfer points.

Nothing in this paragraph shall prohibit the permittee from employing other equally-effective control measures to ensure compliance.

- c. For each material handling operation that is not adequately enclosed, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(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 handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.
- d. Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05(A)(3).
- e. Visible fugitive PE from any conveyance or transfer points associated with the this emissions unit shall not exceed 10% opacity, as a six-minute average, in accordance with 40 CFR 60.672(b).

For transfer points on a conveyor belt or other affected facilities enclosed in a building, the building enclosing the affected facilities must comply with the following emission limits: Fugitive emissions from the building openings must not exceed 7 percent opacity, in accordance with 40 CFR 60.672(e).

- f. The visible (stack) PE limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-10 through OAC rule 3745-31-20.

- (4) The permittee shall maintain records of the following information:
- a. the date and reason any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(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 d)(4)d shall be kept separately for each fugitive dust operation/source, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) The permittee shall submit semiannual written reports that identify (a) all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the appropriate Ohio EPA district office or local field office by January 31 and July 31 of each year and shall cover the previous 6-month period.
- (2) The permittee shall submit quarterly deviation (excursions) 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.

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

- (3) The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth under NSPS Subpart OOO in this permit, including reports of opacity observations made using Method 9 (40 CFR part 60, Appendix A-4) to demonstrate compliance with this subpart.
[40 CFR 60.676(f)]

- (4) In accordance with NSPS requirements, the permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
- a. for a crusher:
 - i. the rated capacity in tons per hour of the existing facility being replaced; and
 - ii. the rated capacity in tons per hour of the replacement equipment.
 - b. for a screening operation:
 - i. the total surface area of the top screen of the existing screening operation being replaced; and
 - ii. the total surface area of the top screen of the replacement screening operation.
 - c. for a conveyor belt:
 - i. the width of the existing belt being replaced; and
 - ii. the width of the replacement conveyor belt.
 - d. for a storage bin;
 - i. the rated capacity in tons of the existing storage bin being replaced; and
 - ii. the rated capacity in tons of the replacement storage bins.

The notification shall be submitted to the Ohio EPA Northwest District Office within 30 days after the equipment replacement.
[40 CFR 60.676(a)]

- (5) All reports shall be submitted electronically through Ohio EPA Air Services, unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).
- f) Testing Requirements
- (1) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated but no later than 180 days after initial startup of the emissions unit. Testing timeframe(s) specified may be amended or waived for cause upon prior request of, and written approval of, the Ohio EPA.
 - b. The emission testing shall be conducted to demonstrate compliance with the following:

- i. allowable mass emission outlet concentration limit for PE.
 - ii. visible (stack) emissions limitations as set forth in b)(2)a.
 - iii. visible fugitive emissions limitation(s) as set forth in b)(2)e.
 - c. The following test method(s) shall be employed to meet the testing requirements above:
 - i. Methods 1 - 5, of 40 CFR 60, Appendix A
 - ii. Method 9 of 40 CFR 60, Appendix A
 - iii. Method 9 of 40 CFR 60, Appendix A
 - d. The test(s) shall be conducted at a Maximum Source Operating Rate (MSOR), unless otherwise specified or approved by the Northwest District Office. MSOR is defined as the condition that is most likely to challenge the emission control measures with regards to meeting the applicable emission standard(s). Although it generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test at the MSOR is justification for not accepting the test results as a demonstration of compliance.
 - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Northwest District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of 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 Northwest District Office's refusal to accept the results of the emission test(s).
 - f. Personnel from the 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 from the emissions unit and/or the performance of the control equipment.
 - g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Northwest District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Northwest District Office.
 - h. Future testing requirements shall be determined /conducted in accordance with applicable rules, polices, etc. (i.e. Engineering Guide #16, OAC rule 3745-15-04, etc.). Testing time frame(s) specified may be amended or waived for cause upon prior request of, and written approval of, the Ohio EPA Northwest District Office.
- (2) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitations:
0.020 gr PM₁₀ /dscf, 0.75 ton PM₁₀ per year
- Applicable Compliance Method:
The 0.020 gr PM₁₀ /dscf emission limitation was established in accordance with the manufacturer's baghouse specifications. The annual limitation was established by multiplying the gr/dscf emission limitation by the maximum volumetric air flow rate (1000 acfm) contributed from this emissions unit to the baghouse, and using the following conversion factors in order to convert to tons per year: 1 lb/7000 grains, 60 minutes/hour, 8760 hours/year, and 1 ton/2000 lbs. Therefore, provided compliance is shown for the 0.020 gr PM₁₀ /dscf limitation compliance with the tons PM₁₀ per rolling 12-month period limitation shall be demonstrated.
- b. Emission Limitations:
0.013 ton fugitive PE per year
- Applicable Compliance Method:
The annual limitation was developed by multiplying a maximum annual throughput rate of 8760 tons by an emission factor of 0.0030 lb per ton material processed [AP-42 Table 11.19-2 (controlled)], then dividing by 2000 lbs/ton. Therefore, provided compliance with the production restriction in c)(1) is shown, compliance with the annual emission limitation shall also be demonstrated.
- c. Emission Limitations:
Visible PE shall not exceed 5% opacity, as a 6-minute average.
- Applicable Compliance Method:
Compliance with the visible emissions limitation shall be demonstrated by emissions testing requirements in f)(1) above.
- d. Emission Limitations:
Visible fugitive PE shall not exceed 10% opacity, as a six-minute average [conveyance /transfer emissions - see b)(2)e]
- Applicable Compliance Method:
Compliance with the visible emissions limitation shall be demonstrated by emissions testing requirements in f)(1) above.
- e. Emission Limitations:
0.022 gr PE /dscf (from the baghouse stack)
- Applicable Compliance Method:
Compliance with the PE emissions limitation shall be demonstrated by emissions testing requirements in f)(1) above.
- f. Emission Limitations:
Visible fugitive PE shall not exceed 10% opacity, as a six-minute average
Visible fugitive PE shall not exceed 7% opacity (building enclosure)
[conveyance /transfer emissions - see b)(2)e]

Applicable Compliance Method:

Compliance with the visible emissions limitation shall be demonstrated by emissions testing requirements in f)(1) above.

g) Miscellaneous Requirements

(1) None.



3. P030, Fine Landplaster Conveying & Storage Operations - GFP

Operations, Property and/or Equipment Description:

Landplaster Conveying and Storage

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-10 through OAC rule 3745-31-20	The applicant has committed to comply with the following Best Available Control Technology (BACT) Requirements: [See b)(2)a.] 0.020 grain particulate matter less than 10 microns (PM ₁₀) per dry standard cubic foot (dscf) 0.47 ton PM ₁₀ per year Visible particulate emissions (PE) shall not exceed 5% opacity, as a 6-minute average. See b)(2)a.
b.	40 CFR 60.670 et seq. (NPS Subpart OOO)	0.022 gr PE /dscf (from the baghouse stack) Visible emission restrictions [See b)(2)b.]
c.	OAC rule 3745-17-07(A)	See b)(2)c.
d.	OAC rule 3745-17-11(B)(2)	See b)(2)d.

(2) Additional Terms and Conditions

a. Based on the "Prevention of Significant Deterioration" (PSD) analysis conducted to ensure the application of "Best Available Control Technology" (BACT), BACT has been determined to be the use of a baghouse capable of meeting a maximum outlet concentration of 0.020 gr PM₁₀/dscf.

- b. This baghouse controls emissions from only an individual enclosed storage bin, and is exempt pursuant to 40 CFR 60.672(f) from the applicable stack PM concentration limit (and associated performance testing) in Table 2 of NSPS Subpart OOO, but must meet the applicable stack opacity limit and compliance requirements in Table 2 (i.e. 7 percent opacity). This exemption from the stack PM concentration limit does not apply for multiple storage bins with combined stack emissions.

The 7 percent opacity limit specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-10 through OAC rule 3745-31-20.

[40 CFR 60.672(f)]

- c. The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-10 through OAC rule 3745-31-20.
- d. The PE limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-10 through OAC rule 3745-31-20.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log, as well as the date and time the daily check was performed. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to eliminate the visible emissions.

e) Reporting Requirements

- (1) The permittee shall submit semiannual written reports that identify (a) all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the appropriate Ohio EPA

district office or local field office by January 31 and July 31 of each year and shall cover the previous 6-month period.

- (2) The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth under NSPS Subpart OOO in this permit, including reports of opacity observations made using Method 9 (40 CFR part 60, Appendix A-4) to demonstrate compliance with this subpart. [40 CFR 60.676(f)]
- (3) In accordance with NSPS requirements, the permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
 - a. for a crusher:
 - i. the rated capacity in tons per hour of the existing facility being replaced; and
 - ii. the rated capacity in tons per hour of the replacement equipment.
 - b. for a screening operation:
 - i. the total surface area of the top screen of the existing screening operation being replaced; and
 - ii. the total surface area of the top screen of the replacement screening operation.
 - c. for a conveyor belt:
 - i. the width of the existing belt being replaced; and
 - ii. the width of the replacement conveyor belt.
 - d. for a storage bin;
 - i. the rated capacity in tons of the existing storage bin being replaced; and
 - ii. the rated capacity in tons of the replacement storage bins.

The notification shall be submitted to the Ohio EPA Northwest District Office within 30 days after the equipment replacement. [40 CFR 60.676(a)]

- (4) All reports shall be submitted electronically through Ohio EPA Air Services, unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).
- f) Testing Requirements
- (1) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated but no later than 180 days after initial startup of the emissions unit. Testing timeframe(s) specified may be amended or waived for cause upon prior request of, and written approval of, the Ohio EPA.
 - b. The emission testing shall be conducted to demonstrate compliance with the following: visible (stack) PE emissions limitation.
 - c. The following test method(s) shall be employed to meet the testing requirements above: Method 9 of 40 CFR 60, Appendix A
 - d. The test(s) shall be conducted at a Maximum Source Operating Rate (MSOR), unless otherwise specified or approved by the Northwest District Office. MSOR is defined as the condition that is most likely to challenge the emission control measures with regards to meeting the applicable emission standard(s). Although it generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test at the MSOR is justification for not accepting the test results as a demonstration of compliance.
 - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Northwest District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of 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 Northwest District Office's refusal to accept the results of the emission test(s).
 - f. Personnel from the 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 from the emissions unit and/or the performance of the control equipment.
 - g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Northwest District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Northwest District Office.
 - h. Future testing requirements shall be determined /conducted in accordance with applicable rules, polices, etc. (i.e. Engineering Guide #16, OAC rule 3745-15-04, etc.). Testing time frame(s) specified may be amended or waived for cause upon prior request of, and written approval of, the Ohio EPA Northwest District Office.
- (2) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitations:
0.020 gr PM₁₀ /dscf, 0.47 ton PM₁₀ per year

Applicable Compliance Method:

The 0.020 gr PM₁₀/dscf emission limitation was established in accordance with the manufacturer's baghouse specifications. The annual limitation was established by multiplying the gr/dscf emission limitation by the maximum volumetric air flow rate (625 acfm) contributed from this emissions unit to the baghouse, and using the following conversion factors in order to convert to tons per year: 1 lb/7000 grains, 60 minutes/hour, 8760 hours/year, and 1 ton/2000 lbs. Therefore, provided compliance is shown for the 0.020 gr PM₁₀ /dscf limitation compliance with the tons PM₁₀ per rolling 12-month period limitation shall be demonstrated.

If required, the permittee shall demonstrate compliance with the gr/dscf emission limitations in accordance with Method 201 /201A, and 202, of 40 CFR 51, Appendix M.

- b. Emission Limitations:
Visible PE shall not exceed 5% opacity, as a 6-minute average.

Applicable Compliance Method:

Compliance with the visible emissions limitation shall be demonstrated by emissions testing requirements in f)(1) above.

- c. Emission Limitations:
0.022 gr PE /dscf (from the baghouse stack)

Applicable Compliance Method:

Compliance with the PE emissions limitation shall be demonstrated by emissions testing requirements in f)(1) above.

- g) Miscellaneous Requirements

- (1) None.