United States Gypsum Company

FACILITY ID NO.: 0310072
DUVAL COUNTY
AIR CONSTRUCTION PERMIT
DRAFT PERMIT NO.: 0310072-015-AC

PERMITTING AND COMPLIANCE AUTHORITY
ENVIRONMENTAL AND COMPLIANCE DEPARTMENT
ENVIRONMENTAL QUALITY DIVISION
117 WEST DUVAL STREET
SUITE 225
JACKSONVILLE, FL 32202
TELEPHONE: (904) 630-4900
FAX: (904) 630-3638

Air Construction Permit
Draft Permit No.: 0310072-015-AC

Table of Contents

Section **Page Number**

Placard Page 1

I. Facility Information ..... 2 - 3
- A. Facility Description
- B. Summary of Emission Unit (EU) Identification (ID) Nos. and Brief Descriptions
- C. Relevant Documents

II. Facility Wide Conditions ..... 3 - 7

III. Emission Units and Descriptions ..... 7 - 59

IV. Special Testing Requirements ..... 60 -61

EU ID No.	Brief Description
005	Textures Bulk Calcium Carbonate Unloading and Supply System
006	No. 3 Stucco storage Bin
007	No. 4 Stucco storage Bin
037	No. 2 Raymond Mill
039	No. 5 & 6 Calcining Kettles
040	No. 2 Stucco Storage Bin
042	No. 2 Board Plant End Saws
043	No. 3 Raymond Mill and No. 7 Kettle Landplaster Elevator
048	Rotary Rock Dryer
054	Waste Board Reclaim System
057	No. 7 Calcining Kettle
058	Storage Bin No. 1
060	No. 5 Raymond Mill
061	No. 3 Board Plant Stucco Elevator, Screen, and Additive Screw
062	No. 3 Board Plant Starch Stucco Bin
063	No. 3 Board Plant End Saws
064	No. 3 Board Plant Stucco Feed Bin
065	No. 3 Board Plant Vermiculite/Starch Storage Bin
066	No. 6 Raymond Mill and Rock Screw
070	Joint Treatment Calcium Carbonate Storage Bin
072	Joint Treatment Talc Storage Bin
077	No. 1 Board Plant End Saws
088	Dunnage Machine Sawing Operation
089	No. 4 Raymond Mill
090	No. 3 Board Plant Ball Mill

092	Kettle Burners
093	Synthetic Gypsum Feed System
094	Gypsum Rock Unloading, Conveying, and Storage System
095	No. 1 MBR Calcining Kettle
096	No. 4 MBR Calcining Kettle
097	Nos. 2 & 3 Calcining Kettles
098	Hurst Boiler No. 1
099	Hurst Boiler No. 2
100	Hurst Boiler No. 3
101	Joint Treatment No. 1 Carbonate Silo
102	Joint Treatment No. 2 Carbonate Silo
103	Joint Treatment Mica Silo
104	Joint Treatment Clay Silo
105	Joint Treatment Talc Silo
106	Joint Treatment (Wet and Dry) Premixer System
107	Joint Treatment Bag Dumpstation
108	Wallboard Production Line No. 1
109	Wallboard Production Line No. 2
110	Wallboard Production Line No. 3

Permittee:

United States Gypsum Company
6825 Evergreen Ave.
Jacksonville, FL 32208-4996

Draft Permit No.: 0310072-015-AC
Facility ID No.: 0310072
SIC No.: 32
Project: Air Construction Permit
Facility Modification

This permit is for the modification of the gypsum wallboard manufacturing facility at the United States Gypsum Company, located at 6825 Evergreen Ave., Jacksonville, Duval County, Florida, 32208-4996. UTM Coordinates: Zone 17, 438.9 km East and 3361.2 km North; Latitude: 30^0 22' 52" North and Longitude: 81^0 38' 07" West.

This permit is issued under the provisions of Chapter 403, Florida Statutes (FS) and Florida Administrative Code (FAC) Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the Environmental and Compliance Department, Environmental Quality Division (Department) in accordance with the terms and conditions of this permit.

Title V Air Operation Permit Revision Application Due Date:
Expiration Date:

Environmental and Compliance Department
Environmental Quality Division

Robert Steven Pace, P.E.
Air Quality Branch Manager

RSP/JW

Section I. Facility Information

Subsection A. Facility Project Description

The facility is a major source of air pollution because the potential emissions of regulated air pollutants are greater than 100 tons per year pursuant to Chapter 62-210, FAC, and Rule 2.301, Jacksonville Environmental Protection Board (JEPB).

This facility consists of a manufacturing plant for the production of gypsum wallboard. Gypsum ore is received at the plant by ship or barge and unloaded into stockpiles. Gypsum ore is then conveyed to the crushing and conveying system. Crushed ore is dried and then conveyed to the landplaster system where the crushed gypsum is further ground in the Raymond mills. The finely ground and dried gypsum (known as landplaster) is conveyed to the stucco production area where the landplaster is introduced into calcining kettles which by indirect heating drives off the chemically bound water from the landplaster which turns it into a product called stucco. Stucco is then dry mixed with other additives and introduced to the pin mixer where water is added to the mix. The liquid stucco mix is then introduced between two sheets of paper (or glass mat) in the wallboard forming machine to form wallboard. The wet wallboard is dried on the conveying line at the wallboard dryer, cut, end-trimmed and stacked for distribution.

This air construction permit is for the following:

1. Allow continuous operation at all emission units (i.e., 8760 hours per year).
2. Establish a consistent particulate matter emission standard of 0.015 grains per dry standard cubic foot on all EUs controlled by baghouses.
3. Modify wallboard no. 2 by formalizing the use of additives (resulting in emissions of PM, volatile organic compounds[VOC], and hazardous air pollutants[HAP] which the primary HAP is formaldehyde.
4. Remove wallboard dryer burners from EU 092 and add to each wallboard dryer EU.
5. Increase flow rate on EU 101 and 102 to 1050 dscfm.
6. Establish a facility wide emission limit for PM and VOC of less than 250 tons per year each and a facility wide emission limit for HAPs of less than 10 tons per year for single HAP and less than 25 tons per year for total HAPs.

The facility is subject to the provisions of New Source Performance Standards (NSPS), 40 Code of Federal Regulation (CFR) 60, Subpart OOO, Standards of Performance for Non-Metallic Mineral Processing Plants, 40 CFR 60, Subpart A, General Conditions, and Particulate Matter (PM) Reasonably Available Control Technology (RACT) requirements. The facility is currently minor for purposes of Prevention of Significant Deterioration (PSD) purposes and will remain minor, post modification, for PSD by the establishment of a facility wide emission limit for PM and VOC of less than 250 tons per year each and a facility wide emission limit for HAPs of less than 10 tons per year for any single HAP and less than 25 tons per year for total HAPs.

Emission Unit Nos. 039, 048, 057, and 096 are subject to Compliance Assurance Monitoring (CAM) requirements.

Subsection B. Summary of Emission Unit (EU) ID Nos. and Brief Descriptions

EU ID No.	Brief Description
005	Textures Bulk Calcium Carbonate Unloading and Supply System
006	No. 3 Stucco storage Bin
007	No. 4 Stucco storage Bin
037	No. 2 Raymond Mill
039	No. 5 & 6 Calcining Kettles
040	No. 2 Stucco Storage Bin
042	No. 2 Board Plant End Saws
043	No. 3 Raymond Mill and No. 7 Kettle Landplaster Elevator

048	Rotary Rock Dryer
054	Waste Board Reclaim System
057	No. 7 Calcining Kettle
058	Storage Bin No. 1
060	No. 5 Raymond Mill
061	No. 3 Board Plant Stucco Elevator, Screen, and Additive Screw
062	No. 3 Board Plant Starch Stucco Bin
063	No. 3 Board Plant End Saws
064	No. 3 Board Plant Stucco Feed Bin
065	No. 3 Board Plant Vermiculite/Starch Storage Bin
066	No. 6 Raymond Mill and Rock Screw
070	Joint Treatment Calcium Carbonate Storage Bin
072	Joint Treatment Talc Storage Bin
077	No. 1 Board Plant End Saws
088	Dunnage Machine Sawing Operation
089	No. 4 Raymond Mill
090	No. 3 Board Plant Ball Mill
092	Kettle Burners
093	Synthetic Gypsum Feed System
094	Gypsum Rock Unloading, Conveying, and Storage System
095	No. 1 MBR Calcining Kettle
096	No. 4 MBR Calcining Kettle
097	Nos. 2 & 3 Calcining Kettles
098	Hurst Boiler No. 1
099	Hurst Boiler No. 2
100	Hurst Boiler No. 3
101	Joint Treatment No. 1 Carbonate Silo
102	Joint Treatment No. 2 Carbonate Silo
103	Joint Treatment Mica Silo
104	Joint Treatment Clay Silo
105	Joint Treatment Talc Silo
106	Joint Treatment (Wet and Dry) Premixer System
107	Joint Treatment Bag Dumpstation
108	Wallboard Production Line No. 1
109	Wallboard Production Line No. 2
108	Wallboard Production Line No. 3

Subsection C. Relevant Documents

Air construction permit application received March 20, 2008
Additional information modifying the application recived April 30, 2008

Section II. Facility Wide Conditions

Subsection A. General Conditions

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific process and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
   a. Have access to and copy any records that must be kept under conditions of the permit;
   b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
   c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

   Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
   a. A description of and cause of noncompliance; and
   b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, FAC, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:
    (X) Determination of Best Available Control Technology (BACT)
    ( ) Determination of Prevention of Significant Deterioration (PSD)
    ( ) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
    (X) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:
    a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
    b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by this permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
    c. Records of monitoring information shall include:
        1. The date, exact place, and time of sampling or measurements;
        2. The person responsible for performing the sampling or measurements;
        3. The date(s) analyses were performed;
        4. The person responsible for performing the analyses;
        5. The analytical techniques or methods used;
        6. The results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.
    [Rule 62-4.160, FAC, and Rule 2.1301, Jacksonville Environmental Protection Board (JEPB)]

Subsection B. Specific Conditions

1. Permittee shall notify the Department fifteen (15) days prior to EU testing.
   [Rule 62-297.310(7)(a)(9), FAC, and Rule 2.1101, JEPB]

2. Copies of the test report(s) shall be submitted to the Department within forty-five (45) days of completion of testing.
   [Rule 62-297.310(8)(b), FAC, and Rule 2.1101, JEPB]

3. Stack sampling facilities shall comply with the requirements of 40 CFR 60.8(e), Rule 62-204.800, FAC, Rule 62-297.310(6), FAC, Rule 2.201, JEPB, and Rule 2.1101, JEPB.

4. Testing of emissions shall be conducted with the EU operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the permit. If it is impracticable to test at permitted capacity, then EU may be tested at less than capacity; in this case subsequent EU operation is limited to 110 percent of the test load until a new test is conducted. Once the EU is so limited, then operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the permitted capacity in the permit.
[Rule 62-297.310(2), FAC, and Rule 2.1101, JEPB]

5. Any revision(s) to a permit (and application) shall be submitted to and approved by the Department prior to implementing.
[Rule 62-4.080(2), FAC, and Rule 2.1301, JEPB]

6. Permittee shall submit an annual operation report to the Department for this (these) emission unit(s) on the form(s) supplied for each calendar year on or before March 1.
[Rule 62-210.370(3), FAC, and Rule 2.301, JEPB]

7. The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, the Department must be notified in writing sixty (60) days prior to the expiration of the construction permit. A new schedule and request for an extension of the construction permit must be submitted.
[Rule 62-4.080(3), FAC, and Rule 2.1301, JEPB]

8. To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for a Title V Air Operating Permit with compliance records and test results, to the Department, at least two hundred twenty five (225) days prior to the expiration date of the construction permit but no later than 180 days after completion of construction, whichever occurs first. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid operating permit to operate.
[Rule 62-210.300(2), FAC, Rule 62-213.420(1)(a)2., FAC, Rule 2.301, JEPB, and Rule 2.501, JEPB]

9. The permittee shall submit all compliance related notifications and reports required of this permit to:

Environmental and Compliance Department
Environmental Quality Division
117 West Duval Street, Suite 225
Jacksonville, FL 32202
Telephone: (904) 630-4900
Fax: (904) 630-3638

10. <u>General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited</u>.

The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants, which cause or contribute to an objectionable odor in accordance with Rule 62-296.320(2), FAC, and Rule 2.1001, JEPB.

11. The facility shall be subject to City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], and JEPB Rule 1. [Final Rules with Respect to Organization, Procedure, and Practice]

12. The facility shall be subject to JEPB Rule 2, Part Nos. I through VII, and Part Nos. IX through XIII.

13. Excess emissions resulting from startup, shutdown, or malfunction of any emission unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Permitting Authority in accordance with Rule 62-4.130, FAC and Rule 2.1301, JEPB. A full written report on the malfunctions shall be submitted to the Permitting Authority in a quarterly report, if requested by the Permitting Authority.
[Rule 62-210.700, FAC, and Rule 2.201, JEPB]

14. Unconfined particulate matter emissions from yard operations, open stock piling of materials and/or materials handling operations shall be controlled by using reasonable precautions. Reasonable precautions shall include but not be limited to the following:
    a. Reduced speed for vehicular traffic.
    b. Use of liquid resinous adhesives or other liquid dust suppressants or wetting agents.
    c. Use of paving or other asphaltic materials.
    d. Removal of particulate matter from paved roads and/or other paved areas by vacuum cleaning or otherwise by wetting prior to sweeping.
    e. Covering of trucks, trailers, front end loaders, and other vehicles or containers to prevent spillage of particulate matter during transport.
    f. Use of mulch, hydro seeding, grassing, and/or other vegetative ground cover on barren areas to prevent or reduce particulate matter from being windblown.
    g. Use of hoods, fans, filters, and similar equipment to contain, capture, and vent particulate matter.
    h. Enclosures or covering of conveyor systems.

    [Rule 62-296.320(4)(c)2., FAC, and Rule 2.1001, JEPB]

15. Maximum allowable facility wide emissions of particulate matter (PM), particulate matter less than 10 microns in aerodynamic diameter (PM10), and of volatile organic compounds (VOC) shall be limited to 249.9 Tons per year (TPY) for each pollutant.
[Applicant's Request]

Section III. Emission Units and Conditions

Emission Unit No. 005-Textures Bulk Calcium Carbonate Unloading and Supply System

Emission Unit Description: Calcium carbonate is pneumatically unloaded from a rail car (forced air bottom unloading) and pneumatically conveyed to the storage bin. Calcium carbonate is pneumatically conveyed to the weigh hopper for the textures plant.

Particulate Matter (PM) control device: Seneca Model Number (M/N) 64-EPTHS-10 Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum loading rate of calcium carbonate to the silo is estimated at 35 tons per hour (TPH).
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum airflow rate is 2648 dry standard cubic feet per minute (dscfm).
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. Particulate matter (PM) emissions shall be limited to 0.015 gr/dscf [0.34 Pounds Per Hour (lbs/hr) and 1.49 TPY.
[Applicant's request, 40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

7. Visible emissions (VE) shall be limited to five (5) percent (%) opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached Operation and Maintenance (O&M) Plan. Records shall be maintained for a minimum period of 5 years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 006-No. 3 Stucco Storage Bin

Essential Potential to Emit (PTE) Parameters

1. The maximum loading rate of stucco to the storage silo is estimated at 40 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. The estimated maximum airflow rate is 2700 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.35 lbs/hr and 1.52 TPY].
[Applicant's request, FAC, Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dry standard cubic feet (dscf).
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 007-No. 4 Stucco Storage Bin

Emission Unit Description: Stucco Storage

Particulate Matter (PM) control device: Seneca Environmental Products Baghouse M/N 84-IMTHBVJ-8

Essential Potential to Emit (PTE) Parameters

1. The maximum loading rate of stucco to the storage silo is estimated at 40 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. The estimated maximum airflow rate is 2240 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.29 lbs/hr and 1.26 TPY].
[Applicant's request, Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 037-No. 2 Raymond Mill

Emission Unit Description: Raymond Mill (crushing of gypsum ore)

Particulate Matter (PM) control device: Flex Kleen Dust collector M/N 84-UDC-144

Essential Potential to Emit (PTE) Parameters

1. The maximum loading rate of stucco to the raymond mill is estimated at 21 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 9256 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [1.19 lbs/hr and 5.21 TPY].
[Applicant's request, 40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dry standard cubic meters (dscm) [60 dscf]. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter.
[40 CFR 60.675, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 039-No. 5 & 6 Calcining Kettles

Emission Unit Description: Indirect heat is applied to gypsum to drive off chemically bound water

Particulate Matter (PM) control device: Seneca Environmental Products Reverse Pulse Jet Baghouse

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate to the kettles is 28 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum airflow rate is 10,000 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart UUU, Standards of Performance for Calciners and Dryers in Mineral Industries and 40 CFR 60, Subpart A, General Provisions shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [1.29 lbs/hr and 5.63 TPY].
[Applicant's request, 40 CFR 60.732, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.732, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.736, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm [60 dscf].
[40 CFR 60.736, Rule 62-204.800, FAC, and Rule 2.301, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 040-No. 2 Stucco Storage Bin

Emission Unit Description: Stucco Storage

Particulate Matter (PM) control device: Seneca Environmental Products Reverse Pulse Jet Baghouse M/N 225-IMBV-8

Essential Potential to Emit (PTE) Parameters

1. The maximum loading rate of stucco to the storage silo is estimated at 80 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year.

[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. The estimated maximum air flow rate is 6492 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.83 lbs/hr and 3.66 TPY].
[Applicant's request, Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 042-No. 2 Board Plant End Saws

Emission Unit Description: Gypsum Board is Cut to Size with Saws

Particulate Matter (PM) control device: Flex Kleen M/N 84-UDC-128A Baghouse

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate is 38,000 square feet per hour.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. The estimated maximum air flow rate is 5000 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.64 lbs/hr and 2.82 TPY].
[Applicant's request, Rule 62-296.712, FAC, and Rule 2.1001, JEPB]

6. VE shall be limited to 5 % opacity.
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.

8. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration.

10. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

11. The permittee shall maintain records as required by the attached Operation and Maintenance Plan (O&M). Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.

[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 043-No. 3 Raymond Mill and No. 7 Kettle Landplaster Elevator

Emission Unit Description: Raymond Mill (crushing of gypsum ore) and elevator for the moving of gypsum

Particulate Matter (PM) control device: Flex Kleen Dust collector M/M 84-UDC-192

Essential Potential to Emit (PTE) Parameters

1. The maximum loading rate of stucco to the storage silo is estimated at 45 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 10,000 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [1.29 lbs/hr and 5.63 TPY].
[Applicant's request, 40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dry standard cubic meters (dscm) [60 dscf]. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no

higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter. [40 CFR 60.675, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV. [Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department. [Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 048-Rotary Rock Dryer

Emission Unit Description: Rotary dryer fired by natural gas to dry raw gypsum rock

Particulate Matter (PM) control device: Two Seneca Environmental Products Baghouse M/Ns 672-THS-10 and 848-THS-10

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate to the rock dryer is 200 TPH gypsum rock and 50 MMBtu per hour natural gas. [Rule 62-210.200, FAC, and Rule 2.301, JEPB]
2. The estimated maximum air flow rate is 60,536 dscfm. [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year. [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart UUU, Standards of Performance for Calciners and Dryers in the Mineral Industry and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [7.78 lbs/hr and 34.09 TPY]. [Applicant's request, 40 CFR 60.732, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity. [40 CFR 60.732, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.736, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing (each baghouse) shall be conducted concurrently with PM testing. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing (each baghouse) for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm [60 dscf].
[40 CFR 60.736, Rule 62-204.800, FAC, and Rule 2.301, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 054-Waste Board Reclaim System

Emission Unit Description: Reclamation of waste wallboard

Particulate Matter (PM) control device: Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate to the packers is estimated at 16 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. The estimated maximum air flow rate is 1,710 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.22 lbs/hr and 0.96 TPY].

[40 CFR 60.672, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

7. VE shall be limited to 5% opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dry standard cubic meters (dscm) [60 dscf]. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter.
[40 CFR 60.675, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 057-No. 7 Calcining Kettle

Emission Unit Description: Indirect heat is applied to gypsum rock to drive off chemically bound water

Particulate Matter (PM) control device: Seneca Baghouse M/N 320-TH-8

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate to the kettle is 50 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 12000 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart UUU, Standards of Performance for Calciners and Dryers in the Mineral Industry and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [1.54 lbs/hr and 6.76 TPY].
[Applicant's request, 40 CFR 60.732, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.732, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.736, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm [60 dscf].
[40 CFR 60.736, Rule 62-204.800, FAC, and Rule 2.301, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 058-Storage Bin No. 1

Emission Unit Description: Calcined gypsum storage bin associated with No. 7 Calcining Kettle

Particulate Matter (PM) control device: Seneca Baghouse M/N 100 IMBTUH-6

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate to the storage bin is 40 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 3,246 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.42 lbs/hr and 1.83TPY].
[Applicant's request, Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 060-No. 5 Raymond Mill

Emission Unit Description: Raymond Mill (crushing of gypsum ore)

Particulate Matter (PM) control device: Seneca Baghouse M/N 120-IMT-8

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate is 37 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 5020 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.65 lbs/hr and 2.83 TPY].
[Applicant's request, 40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dry standard cubic meters (dscm) [60 dscf]. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter. [40 CFR 60.675, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV. [Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department. [Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 061-No. 3 Board Plant Stucco Elevator, Screen, and Additive Screws

Emission Unit Description: Stucco material handling

Particulate Matter (PM) control device: Baghouse BG-1

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate is 145 TPH. [Applicant's Request, Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 4997 dscfm. [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year. [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.64 lbs/hr and 2.81 TPY]. [Applicant's request, 40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.

[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dry standard cubic meters (dscm) [60 dscf]. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter.
[40 CFR 60.675, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 062-No. 3 Board Plant Starch Stucco Bin

Emission Unit Description: Stucco material storage

Particulate Matter (PM) control device: Baghouse BG-2

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate is 20 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 325 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.04 lbs/hr and 0.18 TPY].
[Applicant's request, Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 063-No. 3 Board Plant End Saws

Emission Unit Description: Saws which cut wallboard to size

Particulate Matter (PM) control device: Baghouse BG-6

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum air flow rate is 9090 dscfm.

[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

2. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 110,000 square feet per hour.
[Applicant's Request, Rule 62-210.200, FAC, and Rule 2.301, JEPB]

4. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [1.17 lbs/hr and 5.12TPY].
[Applicant's request, Rule 62-296.712, FAC, and Rule 2.1001, JEPB]

6. VE shall be limited to 5 % opacity.
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.

8. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration.

10. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

11. The permittee shall maintain records as required by the attached Operation and Maintenance Plan (O&M). Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB,Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 064-No. 3 Board Plant Stucco Feed Bin

Emission Unit Description: Bin which feeds stucco to the No. 3 Board Plant

Particulate Matter (PM) control device: Baghouse BG-7

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum air flow rate is 4171 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

2. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 145 TPH.
[Applicant's Request, Rule 62-210.200, FAC, and Rule 2.301, JEPB]

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.54 lbs/hr and 2.35 TPY].
[Applicant's request, Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 065-No. 3 Board Plant Vermiculite/Starch Storage Bin

Emission Unit Description: Bin, which stores vermiculite or starch

Particulate Matter (PM) control device: Baghouse BG-9

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate is 20 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 325 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.04 lbs/hr and 0.18 TPY].
[Applicant's request, Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample

volume shall be 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 066-No. 6 Raymond Mill and Rock Screw

Emission Unit Description: Raymond Mill (crushing of gypsum ore) and rock screw for movement of ore

Particulate Matter (PM) control device: Seneca Baghouse M/N 320-THS-8

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate is 155 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 12,000 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [1.54 lbs/hr and 6.76 TPY].
[Applicant's request, 40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dry standard cubic meters (dscm) [60 dscf]. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter.
[40 CFR 60.675, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 070-Joint Treatment Calcium Carbonate Storage Bin

Emission Unit Description: Bin which stores calcium carbonate

Particulate Matter (PM) control device: Seneca Baghouse M/N 49-EPBV-7

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate is 40 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 1500 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR

60, Subpart A, General Provisions, shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.19 lbs/hr and 0.84 TPY].
[Applicant's request, Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 072-Joint Treatment Talc Storage Bin

Emission Unit Description: Talc storage bin

Particulate Matter (PM) control device: Seneca Baghouse M/N 49-EPBV-7

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate is 40 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 1500 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.19 lbs/hr and 0.84 TPY].
[Applicant's request, Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.711, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 077-No. 1 Board Plant End Saws

Emission Unit Description: Saws which cut wallboard to size

Particulate Matter (PM) control device: Fuller Baghouse (B-5)

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate is 27,000 square feet per hour.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 7000 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.90 lbs/hr and 3.94 TPY].
[Applicant's request, Rule 62-296.712, FAC, and Rule 2.1001, JEPB]

6. VE shall be limited to 5 % opacity.
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.

8. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration.

10. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

11. The permittee shall maintain records as required by the attached Operation and Maintenance Plan (O&M). Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.

[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 088-Dunnage Machine Sawing Operation

Emission Unit Description: Waste gypsum wallboard is cut and waste material is recycled to the rock mill

Particulate Matter (PM) control device: Seneca Environmental Products M/N 176-TH-8 Baghouse

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate is 15,000 square feet per hour.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 6800 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.87 lbs/hr and 3.83 TPY].
[Applicant's request, Rule 62-296.712, FAC, and Rule 2.1001, JEPB]

6. VE shall be limited to 5 % opacity.
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.

8. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration.

10. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

11. The permittee shall maintain records as required by the attached Operation and Maintenance Plan (O&M).

Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 089-No. 4 Raymond Mill

Emission Unit Description: Raymond Mill (crushing of gypsum ore)

Particulate Matter (PM) control device: Baghouse M/N 120-IMT-8

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate is 25 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 5000 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.64 lbs/hr and 2.82 TPY].
[Applicant's request, 40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dry standard cubic meters (dscm) [60 dscf]. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter.
[40 CFR 60.675, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 090-No. 3 Board Plant Ball Mill

Emission Unit Description: Ball Mill (crushing of gypsum ore)

Particulate Matter (PM) control device: Baghouse

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate is 2 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 363 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.05 lbs/hr and 0.20 TPY].

[Applicant's request, 40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dry standard cubic meters (dscm) [60 dscf]. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter.
[40 CFR 60.675, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 092-Kettle Burners

Emission Unit Description: Burners for the production of heat for the calcining kettles.

Essential Potential to Emit (PTE) Parameters

1. This EU shall be allowed to operate 8760 hours per year per each kettle burner.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]

Emission Limitations and Standards

2. The maximum heat input to the kettle burners shall be as follows:

Source Description	Maximum Heat Input

Kettle Burner No. 5	9.8 MMBtu/hr
Kettle Burner No. 6	9.8 MMBtu/hr
Kettle Burner No. 2	13.8 MMBtu/hr
Kettle Burner No. 3	13.8 MMBtu/hr
Kettle Burner No. 7	30.0 MMBtu/hr
MBR Kettle Burner No. 1	15.0 MMBtu/hr
MBR Kettle Burner No. 4	15.0 MMBtu/hr

[Applicant's Request, Rule 62-210.200, FAC, and Rule 2.301, JEPB]

3. This EU shall only combust natural gas or propane.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]

4. VE shall be limited to a maximum of 5% opacity from each emission point.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]

Test Methods and Procedures

5. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[Rule 62-297, FAC, and Rule 2.2.1101, JEPB]

6. VE testing is not required for this permit.
[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1101, JEPB]

7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5, 6, and 7 (as described in 40 CFR 60, Appendix A) for the determination of the PM, SO_2, and NO_x emission rates.
[Applicant's request, Rule 62-212.400(12), FAC, Rule 62-4.070, FAC, and Rule 2.401, JEPB, and Rule 2.1301, JEPB]

8. PM, SO_2, and NO_x testing for this EU shall be conducted upon request of the Department.
[Applicant's request, Rule 62-212.400(12), FAC, Rule 62-4.070, FAC, and Rule 2.401, JEPB, and Rule 2.1301, JEPB]

Emission Unit No. 093-Synthetic Gypsum Feed System

Emission Unit Description: Synthetic gypsum is transported to the facility by truck and unloaded into a covered rock shed. The synthetic gypsum feed system is located in this shed. Synthetic gypsum is fed by a front-end loader into a feed hopper. The clay feeder meters the material from the feed hopper by several slowly moving auger screws onto a belt conveyor. The conveyor conveys the synthetic gypsum toward the rock dryer and drops the material through an enclosed chute into a vibrating pan that empties into the rotary rock dryer.

Particulate Matter (PM) control device: Partially enclosed rock shed and enclosed conveyor to reduce fugitive PM emissions

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate through the synthetic gypsum feed system is 50 tons per hour of synthetic gypsum.

[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously; ie: 8760 hours per year.
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

4. Visible Emissions (VE) from the Synthetic Gypsum Feed System shall be limited to 10% opacity. It is noted that truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the 10% opacity requirement.
[40 CFR 60.672(b) & (d), Rule 62-204.800(7), FAC and Rule 2.201, JEPB]

Test Methods and Procedures

5. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), the procedures in 40 CFR 60.11, and the procedures in 40 CFR 60.675(c)(1, 2, & 3) for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

6. VE testing is not required for this permit.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

Emission Unit No. 094-Gypsum Rock Unloading, Conveying, and Storage System

Emission Unit Description: Gypsum rock is unloaded from ships into unloading hopper nos. 1 and 2 located on conveyor C-1. Conveyor C-1 feeds onto conveyor C-2 which in turn feeds onto the shuttle conveyor which delivers the gypsum rock to the storage piles located in the storage shed.

Particulate Matter (PM) control device: Water sprays are located at the drop points at each unloading hopper onto conveyor C-1. The drop point from conveyor C-1 to C-2 is enclosed. The drop point from conveyor C-2 to the shuttle conveyor and the drop point from the shuttle conveyor to the storage pile is enclosed in the storage shed.

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate to the gypsum rock unloading, conveying, and storage system is 2000 tons per hour of gypsum rock.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

2. This EU shall be allowed to operate a maximum of 6240 hours per year.
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

3. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

4. VE from hopper nos. 1 and 2 transfer points onto conveyor C-1 and from conveyor C-1 transfer point to conveyor

C-2 shall be limited to 10% opacity.
[40 CFR 60.672(b), Rule 62-204.800(7), FAC and Rule 2.201, JEPB]

5. Visible fugitive emissions from the rock storage shed are not allowed.
[40 CFR 60.672(e)(1), Rule 62-204.800(7), FAC and Rule 2.201, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), the procedures in 40 CFR 60.11, and the procedures in 40 CFR 60.675(c)(1, 2, & 3) for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

7. VE testing is not required for this permit.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

8. Compliance with the no visible fugitive emissions from the rock storage shed requirement shall be determined in accordance with EPA RM 22.
[40 CFR 60.675(d), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

9. Visible fugitive emissions testing is not required for this permit.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

Emission Unit No. 095-MBR Calcining Kettle No. 1

Emissions Unit Description**:** MBR Calcining Kettle No. 1 - Finely ground and dried gypsum (known as landplaster) is introduced into the calcining kettle which by indirect heating (natural gas fired) drives off the chemically bound water from the landplaster which turns it into a product called stucco.

Emission Control Device: PM emissions shall be controlled by a 7879 dry standard cubic feet per minute Seneca Environmental Products Reverse Pulse Jet Baghouse, Model No. 272-THS-8.

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate to the kettle is 30 TPH of landplaster.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 7879 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. The estimated maximum heat input to the kettle burner (part of EU No. 092) is 15 million Btu per hour.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

4. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB

Emission Limitations and Standards

5. 40 CFR 60, Subpart UUU, Standards of Performance for Calciners and Dryers in the Mineral Industry and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

6. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

7. PM emissions shall be limited to 0.015 gr/dscf [1.01 lbs/hr and 4.44 TPY].
[Applicant's request, 40 CFR 60.732, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

8. VE shall be limited to 5 % opacity.
[40 CFR 60.732, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.736, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

10. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

11. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm [60 dscf].
[40 CFR 60.736, Rule 62-204.800, FAC, and Rule 2.301, JEPB]

12. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

13. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 096-MBR Calcining Kettle No. 4

Emissions Unit Description**:** MBR Calcining Kettle No. 4 - Finely ground and dried gypsum (known as landplaster) is introduced into the calcining kettle which by indirect heating (natural gas fired) drives off the chemically bound water from the landplaster which turns it into a product called stucco.

Emission Control Device: PM emissions shall be controlled by a 12,596 dry standard cubic feet per minute Seneca Environmental Products Reverse Pulse Jet Baghouse, Model No. 400-THS-8.

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate to the kettle is 30 TPH of landplaster.
[Rule 62-210.200(228), FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 12,596 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. The estimated maximum heat input to the kettle burner (part of EU No. 092) is 15 million Btu per hour.
[Rule 62-210.200(228), FAC, and Rule 2.301, JEPB]

4. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB

Emission Limitations and Standards

5. 40 CFR 60, Subpart UUU, Standards of Performance for Calciners and Dryers in the Mineral Industry and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

6. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

7. PM emissions shall be limited to 0.015 gr/dscf [1.62 lbs/hr and 7.09 TPY].
[Applicant's request, 40 CFR 60.732, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

8. VE shall be limited to 5 % opacity.
[40 CFR 60.732, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.736, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

10. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

11. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as

described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm [60 dscf].
[40 CFR 60.736, Rule 62-204.800, FAC, and Rule 2.301, JEPB]

12. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

13. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Compliance Assurance Monitoring

14. This emission unit is subject to the CAM requirements contained in the attached Appendix CAM. Failure to adhere to the monitoring requirements specified does not necessarily indicate an exceedance of a specific emissions limitation; however, it may constitute good reason to require compliance testing pursuant to Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB.
[40 CFR 64; and, Rules 62-204.800 and 62-213.440(1)(b)1.a., FAC, and Rules 2.201 and 2.501, JEPB]

Emission Unit No. 097-No. 2 & 3 Calcining Kettles

Emission Unit Description: Indirect heat is applied to gypsum to drive off chemically bound water

Particulate Matter (PM) control device: Flex Kleen Baghouse M/N 84-UDS-192

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate to the kettles is 29.5 TPH.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 8789 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

3. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB

Emission Limitations and Standards

4. 40 CFR 60, Subpart UUU, Standards of Performance for Calciners and Dryers in the Mineral Industry and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-

296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [1.13 lbs/hr and 4.95 TPY].
[Applicant's request, 40 CFR 60.732, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.732, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.736, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm [60 dscf].
[40 CFR 60.736, Rule 62-204.800, FAC, and Rule 2.301, JEPB]

11. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1301, JEPB, Rule 2.501, JEPB, and Rule 2.1001, JEPB]

Emission Unit No. 098-Hurst Steam Generating Boiler No. 1

Emission Unit Description: This EU consists of a Hurst steam generating boiler model no. S5-X-1200-150 rated at 50.4 MM Btu per hour maximum heat input while firing natural gas. Oxides of nitrogen (NOx) will be controlled by the use of low NOx burners.

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum heat input of the boiler is 50.4 MMBtu per hour.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year.
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The fuel which may be fired is natural gas.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

4. Sulfur dioxide (SO_2) and PM emissions shall be controlled in accordance with the attached Best Available Control Technology (BACT) Determination.
[Rule 62-296.406(2) & (3), FAC and Rule 2.1001, JEPB]

5. VE shall be limited to 20% opacity continuous. Twenty-seven (27%) opacity shall be allowed for up to six (6) minutes per hour.
[Rule 62-296.406(1), FAC, and Rule 2.1001, JEPB]

6. 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and 40 CFR 60, Subpart A, General Provisions, shall apply.

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A), for the visual determination of opacity.
[Rule 62-297, FAC, and Rule 2.1101, JEPB]

8. VE compliance testing on the boiler is not required for this permit.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]

9. VE compliance testing shall be conducted for a minimum period of 60 minutes [i.e., multi-valued opacity standard].
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

Recordkeeping

10. The owner/operator shall record the amounts of fuel combusted each day.
[40 CFR 60.48c(g), Rule 62-210.800, FAC, and Rule 2.301, JEPB]

11. The record of the amount of fuel combusted each day shall be maintained for a minimum period of five years.
[40 CFR 60.48c(i), Rule 62-210.800, Rule 62-213.400, FAC, and Rule 2.501, JEPB]

Emission Unit No. 099-Hurst Steam Generating Boiler No. 2

Emission Unit Description: This EU consists of a Hurst steam generating boiler model no. S5-X-1200-150 rated at 50.4 MM Btu per hour maximum heat input while firing natural gas. Oxides of nitrogen (NOx) will be controlled by the use of low NOx burners.

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum heat input of the boiler is 50.4 MMBtu per hour.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year.
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The fuel which may be fired is natural gas.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

5. Sulfur dioxide (SO_2) and PM emissions shall be controlled in accordance with the attached Best Available Control Technology (BACT) Determination.

[Rule 62-296.406(2) & (3), FAC and Rule 2.1001, JEPB]

5. VE shall be limited to 20% opacity continuous. Twenty-seven (27%) opacity shall be allowed for up to six (6) minutes per hour.
[Rule 62-296.406(1), FAC, and Rule 2.1001, JEPB]

6. 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and 40 CFR 60, Subpart A, General Provisions, shall apply.

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A), for the visual determination of opacity.
[Rule 62-297, FAC, and Rule 2.1101, JEPB]

8. VE compliance testing on the boiler is not required for this permit.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]

9. VE compliance testing shall be conducted for a minimum period of 60 minutes [i.e., multi-valued opacity standard].
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

Recordkeeping

10. The owner/operator shall record the amounts of fuel combusted each day.
[40 CFR 60.48c(g), Rule 62-210.800, FAC, and Rule 2.301, JEPB]

11. The record of the amount of fuel combusted each day shall be maintained for a minimum period of five years.
[40 CFR 60.48c(i), Rule 62-210.800, Rule 62-213.400, FAC, and Rule 2.501, JEPB]

Emission Unit No. 100-Hurst Steam Generating Boiler No. 3

Emission Unit Description: This EU consists of a Hurst steam generating boiler model no. S5-X-1200-150 rated at 50.4 MM Btu per hour maximum heat input while firing natural gas. Oxides of nitrogen (NOx) will be controlled by the use of low NOx burners.

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum heat input of the boiler is 50.4 MMBtu per hour.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year.
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The fuel which may be fired is natural gas.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

6. Sulfur dioxide (SO_2) and PM emissions shall be controlled in accordance with the attached Best Available Control Technology (BACT) Determination.
[Rule 62-296.406(2) & (3), FAC and Rule 2.1001, JEPB]

5. VE shall be limited to 20% opacity continuous. Twenty-seven (27%) opacity shall be allowed for up to six (6) minutes per hour.
[Rule 62-296.406(1), FAC, and Rule 2.1001, JEPB]

6. 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and 40 CFR 60, Subpart A, General Provisions, shall apply.

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A), for the visual determination of opacity.
[Rule 62-297, FAC, and Rule 2.1101, JEPB]

8. VE compliance testing on the boiler is not required for this permit.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]

9. VE compliance testing shall be conducted for a minimum period of 60 minutes [i.e., multi-valued opacity standard].
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

Recordkeeping

10. The owner/operator shall record the amounts of fuel combusted each day.
[40 CFR 60.48c(g), Rule 62-210.800, FAC, and Rule 2.301, JEPB]

11. The record of the amount of fuel combusted each day shall be maintained for a minimum period of five years.
[40 CFR 60.48c(i), Rule 62-210.800, Rule 62-213.400, FAC, and Rule 2.501, JEPB]

EU No. 101--Joint Treatment Production Line, No. 1 Carbonate Storage Silo

EU Description: Silo for storage of carbonate material

PM control device: Baghouse (bin vent) dust collector

Essential PTE Parameters

1. The estimated maximum air flow rate is 1050 dscfm.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8760 hours per year.
[Rule 62-62-210.300(1)(b), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 20 TPH.
[Rule 62-210.300(1)(b), FAC, and Rule 2.301, JEPB]

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.19 lbs/hr and 0.84 TPY].
[Applicant's request]

6. VE shall be limited to 7% opacity.
[40 CFR 60.672, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

8. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 60 minutes.
[40 CFR 60.675, Rule 62-204.800, FAC, Rule 2.201, JEPB Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Applicant's Request]

10. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

11. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1301, JEPB, and Rule 2.501, JEPB]

12. The notificaton of the actual start-up date as referenced in Section II, Subsection B, Specific Condition 15, shall also include the emission unit description, equipment manufacturer, and equipment serial numbers, if available.
[40 CFR 60.676(h), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

EU No. 102--Joint Treatment Production Line No. 2 Carbonate Storage Silo

EU Description: Silo for storage of carbonate material

PM control device: Baghouse (bin vent) dust collector

Essential PTE Parameters

1. The estimated maximum air flow rate is 1050 dscfm.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8760 hours per year.
[Rule 62-62-210.300(1)(b), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 20 TPH.

[Rule 62-210.300(1)(b), FAC, and Rule 2.301, JEPB]

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.19 lbs/hr and 0.84 TPY].
[Applicant's request]

6. VE shall be limited to 7% opacity.
[40 CFR 60.672, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

8. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 60 minutes.
[40 CFR 60.675, Rule 62-204.800, FAC, Rule 2.201, JEPB Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Applicant's Request]

10. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

11. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1301, JEPB, and Rule 2.501, JEPB]

12. The notificaton of the actual start-up date as referenced in Section II, Subsection B, Specific Condition 15, shall also include the emission unit description, equipment manufacturer, and equipment serial numbers, if available.
[40 CFR 60.676(h), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

EU No. 103--Joint Treatment Production Line Mica Storage Silo

EU Description: Silo for storage of mica

PM control device: Baghouse (bin vent) dust collector

Essential PTE Parameters

1. The estimated maximum air flow rate is 800 dscfm.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8760 hours per year.
[Rule 62-62-210.300(1)(b), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 20 TPH.
[Rule 62-210.300(1)(b), FAC, and Rule 2.301, JEPB]

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.10 lbs/hr and 0.45 TPY].
[Applicant's request]

6. VE shall be limited to 7% opacity.
[40 CFR 60.672, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

8. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 60 minutes.
[40 CFR 60.675, Rule 62-204.800, FAC, Rule 2.201, JEPB Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Applicant's Request]

10. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

11. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1301, JEPB, and Rule 2.501, JEPB]

12. The notificaton of the actual start-up date as referenced in Section II, Subsection B, Specific Condition 15, shall also include the emission unit description, equipment manufacturer, and equipment serial numbers, if available.
[40 CFR 60.676(h), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

EU No. 104--Joint Treatment Production Line No. 1 Clay Storage Silo

EU Description: Silo for storage of clay material

PM control device: Baghouse (bin vent) dust collector

Essential PTE Parameters

1. The estimated maximum air flow rate is 800 dscfm.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8760 hours per year.
[Rule 62-62-210.300(1)(b), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 20 TPH.
[Rule 62-210.300(1)(b), FAC, and Rule 2.301, JEPB]

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.10 lbs/hr and 0.45 TPY].
[Applicant's request]

6. VE shall be limited to 7% opacity.
[40 CFR 60.672, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

8. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 60 minutes.
[40 CFR 60.675, Rule 62-204.800, FAC, Rule 2.201, JEPB Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Applicant's Request]

10. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

11. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.

[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1301, JEPB, and Rule 2.501, JEPB]

12. The notificaton of the actual start-up date as referenced in Section II, Subsection B, Specific Condition 15, shall also include the emission unit description, equipment manufacturer, and equipment serial numbers, if available.
[40 CFR 60.676(h), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

EU No. 105--Joint Treatment Production Line No. 1 Talc Storage Silo

EU Description: Silo for storage of talc material

PM control device: Baghouse (bin vent) dust collector

Essential PTE Parameters

1. The estimated maximum air flow rate is 800 dscfm.
[Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8760 hours per year.
[Rule 62-62-210.300(1)(b), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 20 TPH.
[Rule 62-210.300(1)(b), FAC, and Rule 2.301, JEPB]

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.10 lbs/hr and 0.45 TPY].
[Applicant's request]

6. VE shall be limited to 7% opacity.
[40 CFR 60.672, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

8. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 60 minutes.
[40 CFR 60.675, Rule 62-204.800, FAC, Rule 2.201, JEPB Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Applicant's Request]

10. Initial PM testing shall be conducted in accordance with the testing schedule in Section IV.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

11. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1301, JEPB, and Rule 2.501, JEPB]

12. The notificaton of the actual start-up date as referenced in Section II, Subsection B, Specific Condition 15, shall also include the emission unit description, equipment manufacturer, and equipment serial numbers, if available.
[40 CFR 60.676(h), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

EU No. 106- Joint Treatment Production Line Wet and Dry Premixer System

EU Description: Ingredients for the production of joint compounds are mixed in 4 premixers

PM control device: Four (4) Baghouse dust collectors with common discharge stack

Essential PTE Parameters

1. The estimated maximum air flow rate is 2000 dscfm (500 dscfm per baghouse).
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 20 TPH.
[Rule 62-62-210.300(1)(b), FAC, and Rule 2.301, JEPB]

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. RACT requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.26 lbs/hr and 1.13 TPY].
[Applicant's request, 40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5% opacity.
[40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. The initial VE compliance test period shall be a minimum of three (3) hours. Initial VE compliance testing shall be conducted within 60 days after achieving the maximum production rate at which the emission unit will be operated but no later than 180 days after initial start-up of the emission unit. The initial VE compliance test shall be conducted concurrently with the initial PM testing.
[40 CFR 60.11(b), 40 CFR 60.675(b)(2), Rule 62-204.800, FAC, and Rule 2.301, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA RM 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dscm (60 dscf). For RM 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter.
[40 CFR 60.675(b)(1), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

11. Initial PM testing shall be conducted within 60 days after reaching the maximum rate at which the EU will be operated but no later than 180 days after initial start-up.
[Rule 62-297.310(7)(c), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. Records shall be recorded and maintained in accordance with the Operation and Maintenance Plan (O&M). Records shall be provided upon request of the Department.
[Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB]

13. The notificaton of the actual start-up date as referenced in Section II, Subsection B, Specific Condition 15, shall also include the emission unit description, equipment manufacturer, and equipment serial numbers, if available.
[40 CFR 60.676(h), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

EU No. 107- Joint Treatment Production Line Bag Dumpstation

EU Description: Joint compound ingredients are bagged

PM control device: Baghouse dust collector

Essential PTE Parameters

1. The estimated maximum air flow rate is 1200 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8760 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 20 TPH.
[Rule 62-62-210.300(1)(b), FAC, and Rule 2.301, JEPB]

4. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions, shall apply to this emission unit.

5. RACT requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.15 lbs/hr and 0.68 TPY].
[Applicant's Request, 40 CFR 60.672(a), Rule 62-204.800, FAC and Rule 2.201, JEPB]

7. VE shall be limited to 5% opacity.
[Applicant's request, 40 CFR 60.672, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(7), FAC, Rule 62-296.712, FAC, Rule 2.1001, JEPB, and Rule 2.201, JEPB]

9. The initial VE compliance test period shall be a minimum of three (3) hours. Initial VE compliance testing shall be conducted within 60 days after achieving the maximum production rate at which the emission unit will be operated but no later than 180 days after initial start-up of the emission unit. The initial VE compliance test shall be conducted concurrently with the initial PM testing.
[40 CFR 60.11(b), 40 CFR 60.675(b)(2), Rule 62-204.800, FAC, and Rule 2.301, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA RM 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dscm (60 dscf). For RM 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter.
[40 CFR 60.675(b)(1), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

11. Initial PM testing shall be conducted within 60 days after reaching the maximum rate at which the EU will be operated but no later than 180 days after initial start-up.
[Rule 62-297.310(7)(c), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. Records shall be recorded and maintained in accordance with the Operation and Maintenance Plan (O&M). Records shall be provided upon request of the Department.
[Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB]

13. The notificaton of the actual start-up date as referenced in Section II, Subsection B, Specific Condition 15, shall

also include the emission unit description, equipment manufacturer, and equipment serial numbers, if available.
[40 CFR 60.676(h), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

Emission Unit No. 108 - Wallboard Production Line No. 1

Emission Unit Description: Line for the production of wallboard including burners for the production of heat for wallboard drying zones.

Emission Limitations and Standards

1. The maximum heat input to the wall board dryer burners shall be as follows:

Source Description	Maximum Heat Input
Wallboard Dryers Line No. 1	50 MMBtu/hr

[Applicant's Request, Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate 8760 hours per year per each wallboard dryer burner.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]

3. This EU shall only combust natural gas or propane.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]

4. VE shall be limited to a maximum of 5% opacity from each emission point.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]

Test Methods and Procedures

5. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[Rule 62-297, FAC, and Rule 2.2.1101, JEPB]

6. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes on each emission point.
[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1101, JEPB]

7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5, 6, and 7 (as described in 40 CFR 60, Appendix A) for the determination of the PM, SO_2, and NO_x emission rates.
[Applicant's request, Rule 62-212.400(12), FAC, Rule 62-4.070, FAC, and Rule 2.401, JEPB, and Rule 2.1301, JEPB]

8. PM, SO_2, and NO_x testing for this EU shall be conducted upon request of the Department.
[Applicant's request, Rule 62-212.400(12), FAC, Rule 62-4.070, FAC, and Rule 2.401, JEPB, and Rule 2.1301, JEPB]

Emission Unit No. 109 - Wallboard Production Line No. 2

Emission Unit Description: Line for the production of wallboard including burners for the production of heat for wallboard drying zones. Additives may be used in the wallboard production process. Glass mats may be substituted for paper in the wallboard production process.

Emission Limitations and Standards

1. The maximum heat input to the wall board dryer burners shall be as follows:

Source Description	Maximum Heat Input
Wallboard Dryers Line No. 2	61 MMBtu/hr

[Applicant's Request, Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate 8760 hours per year per each wallboard dryer burner.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]

3. This EU shall only combust natural gas or propane.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]

4. VE shall be limited to a maximum of 5% opacity from each emission point.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]

5. Additive use in wallboard production on wallboard production line no. 2 shall be limited to a maximum of 1.44 X 10^6 pounds per year. Glass mat use in wallboard production on wallboard production line no. 2 shall be limited to a maximum of 3.08 X 10^6 pounds per year as a paper substitute. Year means calendar year.
[Applicant's request, Rule 62-212.400(12), FAC, and Rule 2.401, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[Rule 62-297, FAC, and Rule 2.2.1101, JEPB]

7. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes on each emission point.
[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1101, JEPB]

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5, 6, and 7 (as described in 40 CFR 60, Appendix A) for the determination of the PM, SO_2, and NO_x emission rates.
[Applicant's request, Rule 62-212.400(12), FAC, Rule 62-4.070, FAC, and Rule 2.401, JEPB, and Rule 2.1301, JEPB]

9. PM, SO_2, and NO_x testing for this EU shall be conducted upon request of the Department.
[Applicant's request, Rule 62-212.400(12), FAC, Rule 62-4.070, FAC, and Rule 2.401, JEPB, and Rule 2.1301, JEPB]

Emission Unit No. 110 - Wallboard Production Line No. 3

Emission Unit Description: Line for the production of wallboard including burners for the production of heat for wallboard drying zones.

Emission Limitations and Standards

1. The maximum heat input to the wall board dryer burners shall be as follows:

Source Description	Maximum Heat Input
Wallboard Dryers Line No. 3	160 MMBtu/hr

[Applicant's Request, Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate 8760 hours per year per each wallboard dryer burner.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]

3. This EU shall only combust natural gas or propane.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]

4. VE shall be limited to a maximum of 5% opacity from each emission point.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]

Test Methods and Procedures

5. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[Rule 62-297, FAC, and Rule 2.2.1101, JEPB]

6. Initial VE testing shall be conducted in accordance with the testing schedule in Section IV. VE testing shall be conducted for a minimum period of 30 minutes on each emission point..
[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1101, JEPB]

7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5, 6, and 7 (as described in 40 CFR 60, Appendix A) for the determination of the PM, SO_2, and NO_x emission rates.
[Applicant's request, Rule 62-212.400(12), FAC, Rule 62-4.070, FAC, and Rule 2.401, JEPB, and Rule 2.1301, JEPB]

8. PM, SO_2, and NO_x testing for this EU shall be conducted upon request of the Department.
[Applicant's request, Rule 62-212.400(12), FAC, Rule 62-4.070, FAC, and Rule 2.401, JEPB, and Rule 2.1301, JEPB]

Section IV. Special Testing Requirements

The following EUs shall be tested, as indicated, within 180 days of the issuance date of this permit. If PM and VE testing is required for a particular EU then the testing shall be performed concurrently. Testing duration and methods shall be as specified in the specific conditions for each EU. If testing duration and/or method is not specified for a particular EU then the test method shall be EPA RM 5 for PM and EPA RM 9 for VE as adopted by Rule 62-297, FAC and Rule 2.1101, JEPB. The minimum VE testing time shall be one hour if not otherwise specified for a particular EU.
[Rule 62-212.400(12), FAC, Rule 62-4.070, FAC, Rule 2.1301, JEPB, and Rule 2.401, JEPB]

EU ID No.	Brief Description	Pollutant
005	Textures Bulk Calcium Carbonate Unloading and Supply System	VE
006	No. 3 Stucco Storage Bin	VE
007	No. 4 Stucco Storage Bin	VE
037	No. 2 Raymond Mill	VE
039	No. 5 & 6 Calcining Kettles	VE
040	No. 2 Stucco Storage Bin	VE & PM
042	No. 2 Board Plant End Saws	VE
043	No. 3 Raymond Mill and No. 7 Kettle Landplaster Elevator	VE & PM
048	Rotary Rock Dryer	VE & PM
054	Waste Board Reclaim System	VE
057	No. 7 Calcining Kettle	VE & PM
058	Storage Bin No. 1	VE
060	No. 5 Raymond Mill	VE
061	No. 3 Board Plant Stucco Elevator, Screen, and Additive Screw	VE & PM
062	No. 3 Board Plant Starch Stucco Bin	VE
063	No. 3 Board Plant End Saws	VE & PM
064	No. 3 Board Plant Stucco Feed Bin	VE & PM
065	No. 3 Board Plant Vermiculite/Starch Storage Bin	VE
066	No. 6 Raymond Mill and Rock Screw	VE & PM
070	Joint Treatment Calcium Carbonate Storage Bin	VE
072	Joint Treatment Talc Storage Bin	VE
077	No. 1 Board Plant End Saws	VE
088	Dunnage Machine Sawing Operation	VE
089	No. 4 Raymond Mill	VE
090	No. 3 Board Plant Ball Mill	VE
092	Kettle Burners and Wallboard Dryers	None Required
093	Synthetic Gypsum Feed System	None Required

EU ID No.	Brief Description	Pollutant
094	Gypsum Rock Unloading, Conveying, and Storage System	None Required
095	No. 1 MBR Calcining Kettle	VE
096	No. 4 MBR Calcining Kettle	VE & PM
097	Nos. 2 & 3 Calcining Kettles	VE
098	Hurst Boiler No. 1	None Required
099	Hurst Boiler No. 2	None Required
100	Hurst Boiler No. 3	None Required
101	Joint Treatment No. 1 Carbonate Silo	VE
102	Joint Treatment No. 2 Carbonate Silo	VE
103	Joint Treatment Mica Silo	VE
104	Joint Treatment Clay Silo	VE
105	Joint Treatment Talc Silo	VE & PM
106	Joint Treatment (Wet and Dry) Premixer System	VE
107	Joint Treatment Bag Dumpstation	VE
108	Wallboard Production Line No. 1	VE
109	Wallboard Production Line No. 2	VE
110	Wallboard Production Line No. 3	VE

s:\air quality\permitv\TVCP\draft\0310072-015d-AC