

**UNITED STATES GYPSUM COMPANY
GYPSUM WALLBOARD MANUFACTURING PLANT**

FACILITY ID NO.: 0310072

DUVAL COUNTY

TITLE V AIR OPERATION PERMIT RENEWAL

DRAFT PERMIT No.: 0310072-014-AV

RENEWAL of TITLE V AIR OPERATION PERMIT No.: 0310072-011-AV

PERMITTING AND COMPLIANCE AUTHORITY

ENVIRONMENTAL RESOURCE MANAGEMENT DEPARTMENT
ENVIRONMENTAL QUALITY DIVISION
117 WEST DUVAL ST, SUITE 225
JACKSONVILLE, FL 32202
TELEPHONE: (904) 630-4900
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Title V Air Operation Permit Renewal
DRAFT Permit No.: 0310072-014-AV
Renewal of Title V Air Operation Permit No.: 0310072-011-AV

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Permittee:

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

DRAFT Permit No.: 0310072-014-AV**Facility ID No.:** 0310072**SIC No.:** 32**Project:** Title V Air Operation Permit Renewal

The purpose of this permit is to renew permit no. 0310072-011-AV.

The existing facility is located at 6825 Evergreen Ave., Jacksonville, Duval County, FL.; UTM Coordinates: Zone 17, 438.9 km East and 3361.2 km North; Latitude: 30° 22' 52" North and Longitude: 81° 38' 70" West.

This Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (FS), and Florida Administrative Code (FAC), Chapters 62-4, 62-210, and 62-213. 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 permitting authority, in accordance with the terms and conditions of this permit.

Referenced attachments made a part of this permit:

APPENDIX I-1, List of Insignificant Emission Units and/or Activities
APPENDIX TV-6, TITLE V CONDITIONS
APPENDIX SS-1, STACK SAMPLING FACILITIES
Best Available Control Technology Determination
Operation & Maintenance Plan
Appendix CAM

Effective Date:**Renewal Application Due Date:****Expiration Date:**

Environmental Resource Management Department
Environmental Quality Division

Ebenezer Gujjarlapudi, P.E.
Director

EG/JW/rdo

Section I. Facility Information

Subsection A. Facility Description

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 drive 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 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.

Based upon the initial Title V permit application received on September 29, 2006 this facility is not a major source of hazardous air pollutants (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

<u>EU ID No.</u>	<u>Brief Description</u>
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

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092	Kettle Burners and Wallboard Dryers
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

Note: Please reference the Permit No., Facility ID No., and appropriate Emission Unit ID No(s)., on all correspondence, test report submittal, applications, etc.

Subsection C. Relevant Documents

The documents listed below are not a part of this permit, however, they are specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:

Table 1-1, Summary of Air Pollutant Standards and Terms

Table 2-1, Summary of Compliance Requirements

Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers

Appendix H-1, Permit History

Appendix LR-1, Local Rule Index

These documents are on file with the permitting authority:

Title V Permit Renewal Application received September 29, 2006

Section II. Facility Wide Conditions

The following conditions apply facility wide:

1. Appendix TV-6, Title V Conditions, is a part of this permit.

Permitting Note: Appendix TV-6, Title V Conditions, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested, or otherwise appropriate.

2. Prevention of Accidental Releases (Section 112(r) of CAA).

a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:

RMP Reporting Center
Post Office Box 3346
Merrifield, VA 22116-3346
Telephone: 703/816-4434

and,

b. The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), FAC.

[40 CFR 68]

3. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is part of this permit.
[Rules 62-213.440(1), 62-213.430(6), and 62-4.040(1)(b), FAC, and Rules 2.501 and 2.1301, JEPB]
4. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions.

The permittee shall allow no person to store, pump, handle, process, load, unload, or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. Nothing was deemed necessary and ordered at this time.

[Rule 62-296.320(1)(a), FAC, and Rule 2.1001, JEPB]

5. General Particulate Emission Limiting Standards. General Visible Emissions Standard.

Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Reference Method 9, shall be the compliance method. Testing shall be required, upon request from the Department.

[Rule 62-296.320(4)(b)1., FAC, Chapter 62-297, FAC, Rule 2.1001, JEPB, and Rule 2.1101, JEPB]

6. Permittee shall notify the Department fifteen (15) days prior to Emission Unit (EU) testing.
[Rule 62-297.310(7)(a)9., FAC, and Rule 2.1101, JEPB]
7. 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]
8. 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 the EU(s) 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]
9. Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., FAC and Rule 2.501, JEPB shall be submitted to the Department and EPA within sixty (60) days after the end of the calendar year using DEP form No. 62-213.900(7), FAC.
[Permitting Note: This condition implements the requirements of Rules 62-213.440(3)(a)2. & 3., FAC. (see Condition 51. of APPENDIX TV-6, TITLE V CONDITIONS)]
[40 CFR 70.6, Rule 62-213.440, FAC and Rule 2.501, JEPB]
10. 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

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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]

11. Control equipment shall be provided with a method of access that is safe and readily accessible.
[Rule 62-297.310(6), FAC, and Rule 2.1101, JEPB]
12. When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.
[Rule 62-213.440, FAC, and Rule 2.501, JEPB]
13. The permittee shall submit all compliance related notifications and reports required of this permit to:

Environmental Resource Management Department
Environmental Quality Division
117 West Duval Street, Suite 225
Jacksonville, FL 32202
Telephone: 904/630-4900
Fax: 904/630-3638

14. Any reports, data, notification, certifications, and requests required to be sent to the United States Environmental Protection Agency should be sent to:

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Air and EPCRA Enforcement Branch
Air Enforcement Section
61 Forsyth Street
Atlanta, Georgia 30303
Telephone: 404/562-9155, Fax: 404/562-9163

15. The permittee shall submit reports of any required monitoring at least every six (6) months. All instances of deviations from permit requirements must be clearly identified in such reports. The permittee shall report in accordance with the requirements of Rule 62-210.700(6), FAC, Rule 62-4.130, FAC, Rule 2.201, JEPB, and Rule 2.1301, JEPB, deviations from permit requirements, including those attributable to upset conditions as defined in the permit. Reports shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All reports shall be accompanied by a certification by a responsible official, pursuant to Rule 62-213.420(4), FAC, and Rule 2.501, JEPB. Unless otherwise specified in **a permit, rule, or order**; reports shall cover the period of January through June (report due on or before September 1) and July through December (report due on or before March 1).
[Rule 62-213.440(1)(b)3., FAC, and Rule 2.501, JEPB]

The following Facility-wide conditions are not federally enforceable

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16. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), FAC, any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, FAC, shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information.
[Rule 62-213.420(4), FAC, and Rule 2.501, JEPB]
17. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited.
The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), FAC, and Rule 2.1001, JEPB]
18. 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].
19. The facility shall be subject to JEPB Rule 2, Part Nos. I through VII and Part Nos. IX through XIII.

Section III. Emission Unit(s) 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 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

3. This EU shall be allowed to operate 8320 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, 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 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];

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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 0.03 gr/dscf [0.68 Pounds Per Hour (lbs/hr) and 2.83 Tons Per Year (TPY)].
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]
7. Visible emissions (VE) shall be limited to five (5) percent (%) opacity.
[Rule 62-296.711, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of January 1, 2006. 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.
11. PM testing shall be conducted upon request of the Department.
[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 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. 006-No. 3 Stucco Storage Bin

Emission Unit Description: Stucco Storage

Particulate Matter (PM) control device: Fuller Reverse Pulse Jet Baghouse

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. Particulate matter (PM) emissions shall be limited to 0.03 gr/dscf [0.69 Pounds Per Hour (lbs/hr) and 3.02 Tons Per Year (TPY)].
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]
7. Visible emissions (VE) shall be limited to five (5) percent (%) opacity.
[Rule 62-296.711, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of January 1, 2006. 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.
11. PM testing shall be conducted upon request of the Department.
[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 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. 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. Particulate matter (PM) emissions shall be limited to 0.03 gr/dscf [0.58 Pounds Per Hour (lbs/hr) and 2.54 Tons Per Year (TPY)].
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]
7. Visible emissions (VE) shall be limited to five (5) percent (%) opacity.
[Rule 62-296.711, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of January 1, 2006. 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.
11. PM testing shall be conducted upon request of the Department.
[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 Plan (O&M). Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.

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[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]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 8320 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, 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 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 0.022 gr/dscf [1.75 Pounds Per Hour (lbs/hr) and 7.28 Tons Per Year (TPY)].
[40 CFR 60.672(a)(1), Rule 62-210.800, FAC, and Rule 2.301, JEPB]
7. Visible emissions (VE) shall be limited to five (5) percent (%) opacity.
[Rule 62-296.711, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of February 1, 2006. 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

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sample volume shall be at least 1.70 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(b)(1), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

11. PM testing shall be conducted upon request of the Department.
[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 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. 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]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 8324 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]
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.

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6. Particulate matter (PM) emissions shall be limited to 0.03 gr/dscf [2.57 Pounds Per Hour (lbs/hr) and 10.70 Tons Per Year (TPY)].
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]
7. Visible emissions (VE) shall be limited to five (5) percent (%) opacity.
[Rule 62-296.712, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of February 1, 2006. 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.
[40 CFR 60.736, Rule 62-204.800, FAC, and Rule 2.301, JEPB]
11. PM testing shall be conducted upon request of the Department.
[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 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]

Compliance Assurance Monitoring

13. 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. 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. Particulate matter (PM) emissions shall be limited to 0.03 gr/dscf [1.67 Pounds Per Hour (lbs/hr) and 7.31 Tons Per Year (TPY)].
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]
7. Visible emissions (VE) shall be limited to five (5) percent (%) opacity.
[Rule 62-296.711, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of February 1, 2006. 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.
11. PM testing shall be conducted upon request of the Department.
[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 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. 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. The estimated maximum air flow rate is 5000 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 8324 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]
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. Particulate matter (PM) emissions shall be limited to 0.03 gr/dscf [1.29 Pounds Per Hour (lbs/hr) and 5.37 Tons Per Year (TPY)].
[Rule 62-296.712, FAC, and Rule 2.201, JEPB]
6. Visible emissions (VE) shall be limited to five (5) percent (%) 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. VE testing shall be conducted annually from the date of March 1, 2006. 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 conducted in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 30 dscf.
[Rule 62-296.712(3), FAC, and Rule 2.1001, JEPB]
10. PM testing shall be conducted upon request of the Department.
[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]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 8320 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, 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 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 0.022 gr/dscf [1.89 Pounds Per Hour (lbs/hr) and 7.86 Tons Per Year (TPY)].
[40 CFR 60.672(1)(a), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]
7. Visible emissions (VE) shall be limited to five (5) percent (%) opacity.
[Rule 62-296.711, FAC, and Rule 2.1001, 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.

9. VE testing shall be conducted annually from the date of March 1, 2006. 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 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(b)(1), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]
11. PM testing shall be conducted upon request of the Department.
[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 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. 048-Rotary Rock Dryer

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

Particulate Matter (PM) control device: 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]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 8324 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]
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.

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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 0.03 gr/dscf [15.57 lbs/hr and 64.80 TPY].
[Rule 62-296.712, FAC and Rule 2.1001, JEPB]
7. Visible emissions (VE) shall be limited to 5% opacity.
[Rule 62-296.712, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of March 1, 2006. Testing shall be conducted for a minimum period of 30 minutes on each baghouse.
[Rule 62-297.310(7)(a)4.a., FAC, and Rule 2.1101, JEPB]
10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 (as described in Appendix A) for the PM concentration on each baghouse. The sampling time and volume for each test run shall be a minimum period of two hours and 1.70 dscm.
[40 CFR 60.736, Rule 62-210.800, FAC, and Rule 2.301, JEPB]
11. PM testing shall be conducted 225 days prior to permit expiration and shall be conducted concurrently with VE testing.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. 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]

Compliance Assurance Monitoring

13. 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 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 0.022 gr/dscf [0.32 lbs/hr and 1.40 TPY].
[40 CFR 60.672(1)(a), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]
7. Visible emissions (VE) shall be limited to 5% opacity.
[Rule 62-296.712, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of April 1, 2006. Testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(7)(a)4.a., 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 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,

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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. PM testing shall be conducted upon request of the Department.
[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 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. 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]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 8324 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]
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 0.03 gr/dscf [3.09 lbs/hr and 12.84 TPY].
[Rule 62-296.712, FAC and Rule 2.1001, JEPB]
7. Visible emissions (VE) shall be limited to 5% opacity.

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.
9. VE testing shall be conducted annually from the date of April 1, 2006. 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 (as described in Appendix A) for the PM concentration. The sampling time and volume for each test run shall be a minimum period of two hours and 1.70 dscm.
[40 CFR 60.736, Rule 62-210.800, FAC, and Rule 2.301, JEPB]
11. PM testing shall be conducted upon request of the Department.
[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 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]

Compliance Assurance Monitoring

13. 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. 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]

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

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 8324 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, 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 0.03 gr/dscf [0.83 lbs/hr and 3.47 TPY].
[Rule 62-296.711, FAC and Rule 2.1001, JEPB]
7. Visible emissions (VE) shall be limited to 5% opacity.
[Rule 62-296.711, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of April 1, 2006. 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 (as described in Appendix A) for the PM concentration.
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]
11. PM testing shall be conducted upon request of the Department.
[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 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. 060-No. 5 Raymond Mill

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

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]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 8320 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, 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 0.022 gr/dscf [0.95 lbs/hr and 3.95 TPY].
[40 CFR 60.672(1)(a), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]
7. Visible emissions (VE) shall be limited to 5% opacity.
[Rule 62-296.712, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of May 1, 2006. 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 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(b)(1), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

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11. PM testing shall be conducted upon request of the Department.
[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 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. 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, Permit 0310072-010-AC; 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]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 8324 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, 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 0.020 gr/dscf [0.86 lbs/hr and 3.58 TPY].
[Applicant's request, Permit 0310072-010-AC; 40 CFR 60.672(a)(1), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]
7. Visible emissions (VE) shall be limited to 5% opacity.
[40 CFR 60.672(a)(1), Rule 62-296.712, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of May 1, 2006. 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 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(b)(1), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]
11. PM testing shall be conducted upon request of the Department.
[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 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. 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]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 8324 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]

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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 0.03 gr/dscf [0.08 lbs/hr and 0.35 TPY].
[Rule 62-296.712, FAC and Rule 2.1001, JEPB]
7. Visible emissions (VE) shall be limited to 5% opacity.
[Rule 62-296.712, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of May 1, 2006. 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 (as described in 40 CFR 60, Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]
11. PM testing shall be conducted upon request of the Department.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

12. 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. 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]

Emission Limitations and Standards

2. The maximum process rate is 110,000 square feet per hour.
[Applicant's Request, Permit 0310072-010-AC; Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This EU shall be allowed to operate a maximum of 8324 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, 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 0.020 gr/dscf [1.56 lbs/hr and 6.49 TPY].
[Applicant's request, Permit 0310072-010-AC; Rule 62-296.712, FAC, and Rule 2.1001, JEPB]
6. Visible emissions (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. VE testing shall be conducted annually from the date of May 1, 2006. 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 conducted in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 30 dscf.
[Rule 62-296.712(3), FAC, and Rule 2.1001, JEPB]
10. PM testing shall be conducted upon request of the Department.
[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.

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[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]

Emission Limitations and Standards

2. The maximum process rate is 145 TPH.
[Applicant's Request, Permit 0310072-010-AC; Rule 62-210.200, FAC, and Rule 2.301, JEPB]
3. This EU shall be allowed to operate a maximum of 8324 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, 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 0.020 gr/dscf [0.72 lbs/hr and 3.0 TPY].
[Applicant's request, Permit 0310072-010-AC; Rule 62-296.711, FAC and Rule 2.1001, JEPB]
7. Visible emissions (VE) shall be limited to 5% opacity.
[40 CFR 60.672(f), Rule 62-296.711, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of May 1, 2006. 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 (as described in 40 CFR 60, Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

Gypsum Wallboard Manufacturing Plant

11. PM testing shall be conducted upon request of the Department.
[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 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. 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]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 8324 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, 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 0.03 gr/dscf [0.08 lbs/hr and 0.35 TPY].
[Rule 62-296.711, FAC and Rule 2.1001, JEPB]
7. Visible emissions (VE) shall be limited to 5% opacity.
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

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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.
9. VE testing shall be conducted annually from the date of May 1, 2006. 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 (as described in 40 CFR 60, Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]
11. PM testing shall be conducted upon request of the Department.
[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 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. 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]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 8320 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, 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];

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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 0.022 gr/dscf [2.26 lbs/hr and 9.40 TPY].
[40 CFR 60.672(1)(a), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]
7. Visible emissions (VE) shall be limited to 5% opacity.
[Rule 62-296.711, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of May 1, 2006. 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 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(b)(1), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]
11. PM testing shall be conducted upon request of the Department.
[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 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. 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]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 5000 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, 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 0.03 gr/dscf [0.39 lbs/hr and 0.98 TPY].
[Rule 62-296.711, FAC and Rule 2.1001, JEPB]
7. Visible emissions (VE) shall be limited to 5% opacity.
[Rule 62-296.711, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of June 1, 2006. 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 (as described in 40 CFR 60, Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]
11. PM testing shall be conducted upon request of the Department.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, JEPB]

Record-keeping and Reporting

Gypsum Wallboard Manufacturing Plant

12. 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. 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]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 5000 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, 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 0.03 gr/dscf [0.39 lbs/hr and 0.98 TPY].
[Rule 62-296.711, FAC and Rule 2.1001, JEPB]
7. Visible emissions (VE) shall be limited to 5% opacity.
[Rule 62-296.711, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of June 1, 2006. Testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1101, JEPB]

Gypsum Wallboard Manufacturing Plant

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1001, JEPB]
11. PM testing shall be conducted upon request of the Department.
[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 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. 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]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 8324 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, 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 0.03 gr/dscf [1.80 lbs/hr and 7.49 TPY].
[Rule 62-296.712 FAC, and Rule 2.1001, JEPB]
6. Visible emissions (VE) shall be limited to 5% opacity.
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]

Test Methods and Procedures

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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.
8. VE testing shall be conducted annually from the date of June 1, 2006. 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 conducted in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 30 dscf.
[Rule 62-296.712(3), FAC, and Rule 2.201, JEPB]
10. PM testing shall be conducted upon request of the Department.
[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]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 8320 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]
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];

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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. Particulate matter (PM) emissions shall be limited to 0.03 gr/dscf [1.75 lbs/hr and 7.28 TPY].
[Rule 62-296.712 FAC, and Rule 2.1001, JEPB]
6. Visible emissions (VE) shall be limited to five (5) percent (%) 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. VE testing shall be conducted annually from the date of July 1, 2006. 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 conducted in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 30 dscf.
[Rule 62-296.712(3), FAC, and Rule 2.201, JEPB]
10. PM testing shall be conducted upon request of the Department.
[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]

Emission Limitations and Standards

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3. This EU shall be allowed to operate a maximum of 8320 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, 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 0.022 gr/dscf [0.94 lbs/hr and 3.91 TPY].
[40 CFR 60.672(1)(a), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]
7. Visible emissions (VE) shall be limited to 5% opacity.
[Rule 62-296.711, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of July 1, 2006. 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 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(b)(1), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]
11. PM testing shall be conducted upon request of the Department.
[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 Plan (O&M). Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Department.

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[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]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 8324 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, 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 0.022 gr/dscf [0.07 lbs/hr and 0.29 TPY].
[40 CFR 60.672(1)(a), Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]
7. Visible emissions (VE) shall be limited to 5% opacity.
[Rule 62-296.712, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of July 1, 2006. 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 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,

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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. PM testing shall be conducted upon request of the Department.
[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 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. 092-Kettle Burners and Wallboard Dryers

Emission Unit Description: Burners for the production of heat for the calcining kettles and wallboard dryers

Essential Potential to Emit (PTE) Parameters

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

<u>Source Description</u>	<u>Maximum Heat Input</u>
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
Wallboard Dryers No. 1	50 MMBtu/hr
Wallboard Dryers No. 2	61 MMBtu/hr
Wallboard Dryers No. 3	160 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]

Emission Limitations and Standards

2. This EU shall be allowed to operate 8324 hours per year per each kettle burner and each wallboard dryer burner.
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB]
3. This EU shall only combust natural gas or propane. Only natural gas may be combusted in Wallboard Dryer No. 1
[Rule 62-4.070, FAC, and Rule 2.1301, JEPB, Permit AC16-100644]
4. Visible emissions (VE) shall be limited to less than 20% opacity from all emission points except Wallboard Dryer No. 1.
[Rule 62-296.320(4), FAC, and Rule 2.1001, JEPB]

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5. VE from Wallboard Dryer No. 1 shall be limited to a maximum of 5% opacity.
[Permit AC16-100644]
6. PM from Wallboard Dryer No. 1 shall be limited to 0.24 lbs/hr and 1.0 TPY. SO₂ from Wallboard Dryer No. 1 shall be limited to 0.03 lbs/hr and 0.1 TPY. NO_x from Wallboard Dryer No. 1 shall be limited to 0.39 lbs/hr and 1.6 TPY.
[Permit AC16-100644]

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. VE testing shall be conducted 225 days prior to permit renewal. 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]
9. 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, SO₂, and NO_x emission rates.
[Permit AC16-100644]
10. PM, SO₂, and NO_x testing on Wallboard Dryer No. 1 shall be conducted upon request of the Department.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1101, 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.

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 shall be conducted annually from the date of September 1, 2006. VE testing shall be conducted for a minimum period of 30 minutes at the following emission point: (a) Feed hopper to the belt conveyor loading site.
[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.

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[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 shall be conducted annually from the date of August 1, 2006. VE testing shall be conducted for a minimum period of 30 minutes at each of the following emission points: (a) Hopper No. 1 feed onto conveyor C-1; (b) Hopper No. 2 feed onto conveyor C-1; (c) conveyor C-1 feed onto conveyor C-2.
[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 shall be conducted annually from the date of September 1, 2006. Testing shall be conducted under normal rock unloading operations. Testing of the building (rock storage shed) shall be at least 75 minutes in duration with each side of the building and the roof being observed for at least 15 minutes each.
[40 CFR 60.675(d), Rule 62-204.800(7), FAC, and Rule 2.201, 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(228), 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(228), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. This EU shall be allowed to operate a maximum of 8324 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]
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 0.03 gr/dscf [2.03 lbs/hr and 8.45 TPY].
[Rule 62-296.712, FAC and Rule 2.1001, JEPB]
8. Visible emissions (VE) shall be limited to 5% opacity.
[Rule 62-296.712, FAC, and Rule 2.1001, 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(b), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
10. VE testing shall be conducted annually from the date of March 1, 2006. 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 conducted in accordance with EPA Reference Method 5 (as described in Appendix A) for the PM concentration. The sampling time and volume for each test run shall be a minimum period of two hours and 1.70 dscm.
[40 CFR 60.736, Rule 62-210.800, FAC, and Rule 2.301, JEPB]
12. PM testing shall be conducted upon request of the Department.
[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 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. 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]

Emission Limitations and Standards

4. This EU shall be allowed to operate a maximum of 8324 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]
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 0.03 gr/dscf [3.24 lbs/hr and 13.48 TPY].
[Rule 62-296.712, FAC and Rule 2.1001, JEPB]
8. Visible emissions (VE) shall be limited to 5% opacity.
[Rule 62-296.712, FAC, and Rule 2.1001, 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(b), Rule 62-204.800, FAC, and Rule 2.201, JEPB]
10. VE testing shall be conducted annually from the date of March 1, 2006. 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 conducted in accordance with EPA Reference Method 5 (as described in Appendix A) for the PM concentration. The sampling time and volume for each test run shall be a minimum period of two hours and 1.70 dscm.
[40 CFR 60.736, Rule 62-210.800, FAC, and Rule 2.301, JEPB]
12. PM testing shall be conducted upon request of the Department.
[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 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]

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]

Emission Limitations and Standards

3. This EU shall be allowed to operate a maximum of 8320 hours per year.
[Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]
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.

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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 0.03 gr/dscf [2.26 Pounds Per Hour (lbs/hr) and 9.40 Tons Per Year (TPY)].
[Rule 62-296.712, FAC, and Rule 2.1001, JEPB]
7. Visible emissions (VE) shall be limited to five (5) percent (%) opacity.
[Rule 62-296.712, FAC, and Rule 2.1001, 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.
9. VE testing shall be conducted annually from the date of March 1, 2006. 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.
[40 CFR 60.736, Rule 62-210.800, FAC, and Rule 2.301, JEPB]
11. PM testing shall be conducted upon request of the Department.
[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 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. 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 (SO₂) and PM emissions shall be controlled in accordance with the 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.
8. VE compliance testing on the boiler shall be conducted no later than 225 days prior to the permit expiration date.
[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 (NO_x) will be controlled by the use of low NO_x 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.

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 (SO₂) and PM emissions shall be controlled in accordance with the 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.
8. VE compliance testing on the boiler shall be conducted no later than 225 days prior to the permit expiration date.
[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 (NO_x) will be controlled by the use of low NO_x 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 (SO₂) and PM emissions shall be controlled in accordance with the 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.
8. VE compliance testing on the boiler shall be conducted no later than 225 days prior to the permit expiration date.
[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]

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