UNITED STATES GYPSUM COMPANY

Jacksonville Facility

FACILITY ID NO.: 0310072
DUVAL COUNTY

TITLE V AIR OPERATION PERMIT REVISION
FINAL PERMIT NO.: 0310072-021-AV
REVISION OF TITLE V AIR OPERATION PERMIT NO.: 0310072-020-AV

Permitting & Compliance Authority:

Neighborhoods Department
Environmental Quality Division
Ed Ball Building, 214 N. Hogan Street, 5th Floor
Jacksonville, FL 32202
Telephone: (904) 255-7100
FAX: (904) 588-0518

Title V Air Operation Permit Revision
FINAL Permit No.: 0310072-021-AV
Revision of Title V Air Operation Permit No.: 0310072-020-AV

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

FINAL Permit No.: 0310072-021-AV
Facility ID No.: 0310072
SIC No.: 32
Project: Title V Air Operation Permit Revision

The purpose of this permit is to revise Title V Air Operation Permit No. 0310072-020-AV by incorporating the applicable terms and conditions identified in Air Construction Permit No. 0310072-019-AC.

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′ 07″ West.

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

Referenced attachments made a part of this permit:
Statement of Basis
Compliance Plan
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 Plans
Appendix CAM

Initial Effective Date:	**January 16, 2012**
Revision Effective Date:	**November 25, 2012**
Renewal Application Due Date:	**May 20, 2016**
Expiration Date:	**December 31, 2016**

Neighborhoods Department
Environmental Quality Division

_____
Vincent A. Seibold, P.E.
Chief

VAS/GHB

Section I. Facility Information

Subsection A. Project and Facility Description

The purpose of this permit is to revise Title V Air Operation Permit No. 0310072-020-AV by incorporating the applicable terms and conditions identified in Air Construction Permit No. 0310072-019-AC, which included the replacement of the dust collector for Emission Unit (EU) No. 062 (No. 3 Board Plant Starch Storage Bins) and the addition of a dust collector to the existing No. 3 Board Plant Starch Receiver/Refill Bin (new EU No. 111). Additionally, an emissions unit was added for two existing emergency stationary compression ignition (CI) reciprocating internal combustion engines (RICE).

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

The facility also consists of a joint treatment compounds manufacturing operation using the major raw materials calcium carbonate, perlite, clay, and mica. These materials are delivered by railcar and stored in silos (EU Nos. 101 through 105). Raw materials from these silos are processed through the Wet and Dry Premixer System (EU 106) where the dry raw materials are mixed in dry premixers and then transferred to wet mixers where liquid additives are added to produce a paste. The paste proceeds from the wet mixers to the Joint Treatment Pail Fill Stations. Small quantities of other dry raw materials are added to the Dry Premixers from the Joint Treatment Bag Dumpstation (EU 107). These final products are shipped out for consumer use and are not used to manufacture wallboard. There are no crushers or grinding operations associated with the production of joint treatment compounds and this operation is not connected by conveyor to the crusher, screening operation nor grinding mills in the wallboard manufacturing operation, therefore EU Nos. 101 through 107 associated with the manufacture of joint treatment compounds are not subject to the provisions of New Source Performance Standards (NSPS), 40 Code of Federal Regulation (CFR) 60, Subpart OOO, Standards of Performance for Non-Metallic Mineral Processing Plants.

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

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

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

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

EU ID No.	Brief Description
005	Textures Bulk Calcium Carbonate Unloading and Supply System
006	No. 3 Stucco storage Bin
007	No. 4 Stucco storage Bin
037	No. 2 Raymond Mill
039	No. 5 & 6 Calcining Kettles
040	No. 2 Stucco Storage Bin
042	No. 2 Board Plant End Saws
043	No. 3 Raymond Mill and No. 7 Kettle Landplaster Elevator
048	Rotary Rock Dryer
054	Waste Board Reclaim System
057	No. 7 Calcining Kettle
058	Storage Bin No. 1
060	No. 5 Raymond Mill
061	No. 3 Board Plant Stucco Elevator, Screen, and Additive Screw
062	No. 3 Board Plant Starch Stucco Bins
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
077	No. 1 Board Plant End Saws
088	Dunnage Machine Sawing Operation
089	No. 4 Raymond Mill
090	No. 3 Board Plant Ball Mill
092	Kettle Burners
093	Synthetic Gypsum Feed System
094	Gypsum Rock Unloading, Conveying, and Storage System
095	No. 1 MBR Calcining Kettle
096	No. 4 MBR Calcining Kettle
097	Nos. 2 & 3 Calcining Kettles
098	Cleaver Brooks Boiler No. 1
099	Cleaver Brooks Boiler No. 2
100	Cleaver Brooks Boiler No. 3
101	Joint Treatment No. 1 Carbonate Silo
102	Joint Treatment No. 2 Carbonate Silo
103	Joint Treatment Mica Silo
104	Joint Treatment Clay Silo
105	Joint Treatment Talc/Perlite Silo
106	Joint Treatment (Wet and Dry) Premixer System
107	Joint Treatment Bag Dumpstation
108	Wallboard Production Line No. 1
109	Wallboard Production Line No. 2
110	Wallboard Production Line No. 3
111	No. 3 Board Plant Starch Receiver/Refill Bin
112	Emergency Fire Pump and Generator Diesel Engines

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 Air Operation Permit Revision Application received June 12, 2012
Title V Air Operation Permit No. 0310072-020-AV
Air Construction Permit No. 0310072-019-AC

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. 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 Method 9 is the method of compliance pursuant to Chapter 62-297, FAC, and Rule 2.1201, JEPB.
   [Rule 62-296.320(4)(b)1., FAC, and Rule 2.1101, JEPB]

3. 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; 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.]

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 installation, VOC or OS without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Permitting Authority.
   [Rule 62-296.320(1), FAC, and Rule 2.1101, JEPB]

5. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter emissions from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions that the facility plans to incorporate, includes the following:

   a. Paving and maintenance of roads, parking areas and yards.
   b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.

c. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
d. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
e. Landscaping or planting of vegetation.
f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
g. Confining abrasive blasting where possible.
h. Enclosure or covering of conveyor systems.

[Rule 62-296.320(4)(c)1 & 3, FAC, and Rule 2.1101, JEPB]

6. 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 2.1401, JEPB]

7. Permittee shall notify the Permitting Authority fifteen (15) days prior to the date of each formal compliance test conducted for an emissions unit.
[Rule 62-297.310(7)(a)9., FAC, and Rule 2.1201, JEPB]

8. Stack sampling facilities and control equipment shall be provided with a method of access that is safe and readily accessible.
[Rule 62-297.310(6), FAC, and Rule 2.1201, JEPB]

9. Testing of emissions shall be conducted with the Emissions Unit 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 Emissions Units may be tested at less capacity; in this case subsequent Emissions Unit operation is limited to 110 percent of the test load until a new test is conducted. Once the Emissions Unit 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 2.1201, JEPB]

10. Copies of the test report(s) shall be filed with the Permitting Authority within forty-five (45) days of completion of testing.
[Rule 62-297.310(8)(b), FAC, and Rule 2.1201, JEPB]

11. 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]

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

Neighborhoods Department
Environmental Quality Division
Ed Ball Building, 214 N. Hogan Street, 7th Floor
Jacksonville, FL 32202
Telephone: (904) 255-7100
Fax: (904) 588-0518

13. Any reports, data, notifications, 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 & EPCRA Enforcement Branch, Air Enforcement Section
61 Forsyth Street

Atlanta, GA 30303-8960
Telephone: (404) 562-9155
Fax: (404) 562-9163

14. Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., FAC, shall be submitted to the Permitting Authority and EPA within 60 (sixty) 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., F.A.C. (see Condition 51. of Appendix TV-6, Title V Conditions)}
[Rules 62-213.440(3) and 62-213.900, FAC, and Rule 2.501, JEPB]

15. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., 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]

16. Excess emissions resulting from startup, shutdown, or malfunction of any emission unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Permitting Authority 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 2.1401, 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(1), (4), and (6), FAC, and Rule 2.201, JEPB]

17. 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 2.1401, 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]

18. Annual Emissions Fee Form and Fee. The annual Title V emissions fees are due (postmarked) by March 1st of each year. The completed form and calculated fee shall be submitted to: Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070. The forms are available for download by accessing the Title V Annual Emissions Fee On-Line Information Center at the following Internet web site: http://www.dep.state.fl.us/air/emission/tvfee.htm.
[Rule 62-213.205, FAC and Rule 2.501, JEPB]

19. Maximum allowable facility wide emissions of particulate matter (PM), particulate matter less than 10 microns in aerodynamic diameter (PM_{10}), and of volatile organic compounds (VOC) shall be limited to 249.9 Tons per year (TPY) for each pollutant.
[Permit No.0310072-015-AC, Rule 62-4.070(3), FAC, Rule 62-212.400(12), FAC, Rule 2.1401, JEPB and Rule 2.401, JEPB]

20. Maximum allowable facility wide emissions of Hazardous Air Pollutants (HAP) are restricted to less than 10 TPY for any single HAP and to less than 25 TPY for total HAP(s). Tons per year shall be designated as any 12 consecutive month period.
[Permit No.0310072-015-AC, Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

21. Compliance Plan. Based on the application, emissions units were not in compliance. Appendix Compliance Plan is a part of this permit.
[Rule 62-213.440(2), FAC and Rule 2.501, JEPB]

22. Notification of Startup. The owners or operator of any emissions unit or facility which has a valid air operation permit which has been shut down more than one year, shall notify the Permitting Authority in writing of the intent to start up such emissions unit or facility, a minimum of 60 days prior to the intended startup date.
    a. The notification shall include information as to the startup date, anticipated emission rates or pollutants released, changes to processes or control devices which will result in changes to emission rates, and any other conditions which may differ from the valid outstanding operation permit.
    b. If, due to an emergency, a startup date is not known 60 days prior thereto, the owner shall notify the Permitting Authority as soon as possible after the date of such startup is ascertained.

    [Rule 62-210.300(5), F.A.C. and Rule 2.301, JEPB]

23. Permit Renewal. For purposes of a permit renewal, a timely application is one that is submitted 225 days before the expiration of a permit that expires on or after June 1, 2009.
[Rule 62-213.420(1)(a)2., F.A.C. and Rule 2.501, JEPB]

The following Facility-wide conditions are not federally enforceable:

24. 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 2.1101, JEPB]

25. The facility shall be subject to the 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].

26. The facility shall be subject to JEPB Rule 2, Parts I through VII, and Parts IX through XIV.

Section III. Emission Units and Conditions

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

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

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

Essential Potential to Emit (PTE) Parameters

1. The maximum loading rate of calcium carbonate to the silo is estimated at 35 tons per hour (TPH).
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum airflow rate is 2,648 dry standard cubic feet per minute (dscfm).
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. Particulate matter (PM) emissions shall be limited to 0.015 gr/dscf [0.34 Pounds Per Hour (lbs/hr) and 1.49 TPY].
[Permit No.0310072-015-AC, 40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

7. Visible emissions (VE) shall be limited to five (5) percent (%) opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of January 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached Operation and Maintenance (O&M) Plan. Records shall be maintained for a minimum period of 5 years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

3. The estimated maximum airflow rate is 2,700 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.35 lbs/hr and 1.52 TPY].
[Permit No.0310072-015-AC, FAC, Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of January 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dry standard cubic feet (dscf).
[Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

3. The estimated maximum airflow rate is 2,240 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.29 lbs/hr and 1.26 TPY].
[Permit No.0310072-015-AC, Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of January 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 25 TPH.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

2. The estimated maximum air flow rate is 9,256 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [1.19 lbs/hr and 5.21 TPY].
[Permit No.0310072-015-AC, 40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of February 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dry standard cubic meters (dscm) [60 dscf]. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter. [40 CFR 60.675, Rule 62-204.800(8), FAC, and Rule 2.201, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority. [Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority. [Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum airflow rate is 10,000 dscfm. [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year. [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

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

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [1.29 lbs/hr and 5.63 TPY]. [Permit No.0310072-015-AC, 40 CFR 60.732, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity. [40 CFR 60.732, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.736, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of February 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm [60 dscf].
[40 CFR 60.736, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 2.1201, 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 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

3. The estimated maximum air flow rate is 6,492 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.83 lbs/hr and 3.66 TPY].
[Permit No.0310072-015-AC, Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of February 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

3. The estimated maximum air flow rate is 5,000 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

Emission Limitations and Standards

4. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emission Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.64 lbs/hr and 2.82 TPY].
[Permit No.0310072-015-AC, Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

6. VE shall be limited to 5 % opacity.
[Rule 62-296.712, FAC, and Rule 2.1101, 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.
[Rule 62-296.711, FAC and Rule 2.1101, JEPB]

8. VE testing shall be conducted annually from the date of March 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration.
[Rule 62-296.711, FAC and Rule 2.1101, JEPB]

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, 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 Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 10,000 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [1.29 lbs/hr and 5.63 TPY].
[Permit No.0310072-015-AC, 40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of March 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dry standard cubic meters (dscm) [60 dscf]. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter.
[40 CFR 60.675, Rule 62-204.800(8), FAC, and Rule 2.201, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, JEPB]

Emission Unit No. 048-Rotary Rock Dryer

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

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

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate to the rock dryer is 200 TPH gypsum rock and 50 MMBtu per hour natural gas.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 60,536 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

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

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [7.78 lbs/hr and 34.09 TPY].
[Permit No.0310072-015-AC, 40 CFR 60.732, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.732, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.736, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of March 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing (each baghouse) for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm [60 dscf].
[40 CFR 60.736, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

11. PM testing shall be conducted 270 days prior to permit expiration and shall be conducted concurrently with VE testing.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 2.1201, 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. 054-Waste Board Reclaim System

Emission Unit Description: Reclamation of waste wallboard

Particulate Matter (PM) control device: Baghouse

Essential Potential to Emit (PTE) Parameters

1. The maximum process rate to the packers is estimated at 16 TPH.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

3. The estimated maximum air flow rate is 1,710 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-

296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.22 lbs/hr and 0.96 TPY].
[40 CFR 60.672, Rule 62-204.800(8), FAC, and Rule 2.201, JEPB]

7. VE shall be limited to 5% opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of April 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dry standard cubic meters (dscm) [60 dscf]. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter.
[40 CFR 60.675, Rule 62-204.800(8), FAC, and Rule 2.201, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 12,000 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

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

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [1.54 lbs/hr and 6.76 TPY].
[Permit No.0310072-015-AC, 40 CFR 60.732, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.732, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.736, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of April 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm [60 dscf].
[40 CFR 60.736, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 2.1201, 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- No. 1 Stucco Storage Bin

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 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 3,246 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.42 lbs/hr and 1.83 TPY].
[Permit No.0310072-015-AC, Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of April 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, JEPB]

Emission Unit No. 060-No. 5 Raymond Mill

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

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

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate is 40 TPH.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 5,020 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.65 lbs/hr and 2.83 TPY].
[Permit No.0310072-015-AC, 40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of May 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dry standard cubic meters (dscm) [60 dscf]. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter.
[40 CFR 60.675, Rule 62-204.800(8), FAC, and Rule 2.201, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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.
[Permit No. 0310072-010-AC, Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 4,997 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.64 lbs/hr and 2.81 TPY].
[Permit No.0310072-015-AC, 40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of May 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dry standard cubic meters (dscm) [60 dscf]. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter.
[40 CFR 60.675, Rule 62-204.800(8), FAC, and Rule 2.201, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, JEPB]

Emission Unit No. 062-No. 3 Board Plant Starch Storage Bins

Emission Unit Description: Stucco material storage

Particulate Matter (PM) control device: SENECA Baghouse, Model 24-FMBV-100 (Special)

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate is 25 TPH.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 1,200 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously; i.e.: 8760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015gr/dscf [0.15 lbs/hr and 0.68 TPY].
[Permit No. 0310072-015-AC, Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of May 1, 2012. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached Operation and Maintenance (O&M) Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 9,090 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 110,000 square feet per hour.
[Permit No. 0310072-010-AC, Rule 62-296.700(4), FAC, and Rule 2.1101, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [1.17 lbs/hr and 5.12 TPY].
[Permit No.0310072-015-AC, Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

6. VE shall be limited to 5 % opacity.
[Rule 62-296.712, FAC, and Rule 2.1101, 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.
[Rule 62-296.711, FAC and Rule 2.1101, JEPB]

8. VE testing shall be conducted annually from the date of May 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration.
[Rule 62-296.711, FAC and Rule 2.1101, JEPB]

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, 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 Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 4,171 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 145 TPH.
[Permit No. 0310072-010-AC, Rule 62-296.700(4), FAC, and Rule 2.1101, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.54 lbs/hr and 2.35 TPY].
[Permit No.0310072-015-AC, Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of May 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 25 TPH.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 325 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.04 lbs/hr and 0.18 TPY].
[Permit No.0310072-015-AC, Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of May 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 12,000 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously ; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [1.54 lbs/hr and 6.76 TPY].
[Permit No.0310072-015-AC, 40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of May 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dry standard cubic meters (dscm) [60 dscf]. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter.
[40 CFR 60.675, Rule 62-204.800(8), FAC, and Rule 2.201, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 7,000 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously ; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.90 lbs/hr and 3.94 TPY].
[Permit No.0310072-015-AC, Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

6. VE shall be limited to 5 % opacity.
[Rule 62-296.712, FAC, and Rule 2.1101, 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 June 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

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

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, 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 Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 6,800 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously ; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.87 lbs/hr and 3.83 TPY].
[Permit No. 0310072-015-AC, Rule 62-296.712, FAC, and Rule 2.1101, JEPB]

6. VE shall be limited to 5 % opacity.
[Rule 62-296.712, FAC, and Rule 2.1101, 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.
[Rule 62-296.711, FAC and Rule 2.1101, JEPB]

8. VE testing shall be conducted annually from the date of July 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration.
[Rule 62-296.711, FAC and Rule 2.1101, JEPB]

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, 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 Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 30 TPH.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 5,000 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously ; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.64 lbs/hr and 2.82 TPY].
[Permit No.0310072-015-AC, 40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of July 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dry standard cubic meters (dscm) [60 dscf]. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter.
[40 CFR 60.675, Rule 62-204.800(8), FAC, and Rule 2.201, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 363 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously ; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.05 lbs/hr and 0.20 TPY].
[Permit No.0310072-015-AC, 40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of July 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be conducted in accordance with EPA Reference Method 5 or 17 (as described in Appendix A) for the determination of the PM emissions rate concentration. The sample volume shall be at least 1.70 dry standard cubic meters (dscm) [60 dscf]. For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 degrees Centigrade (250 degrees Fahrenheit), to prevent water condensation on the filter.
[40 CFR 60.675, Rule 62-204.800(8), FAC, and Rule 2.201, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, JEPB]

Emission Unit No. 092-Kettle Burners

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

Essential Potential to Emit (PTE) Parameters

1. This EU shall be allowed to operate 8,760 hours per year per each kettle burner.
[Rule 62-4.070, FAC, and Rule 2.1401, JEPB]

Emission Limitations and Standards

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

Source Description	Maximum Heat Input
Kettle Burner No. 5	9.8 MMBtu/hr
Kettle Burner No. 6	9.8 MMBtu/hr
Kettle Burner No. 2	13.8 MMBtu/hr
Kettle Burner No. 3	13.8 MMBtu/hr
Kettle Burner No. 7	30.0 MMBtu/hr
MBR Kettle Burner No. 1	15.0 MMBtu/hr
MBR Kettle Burner No. 4	15.0 MMBtu/hr

[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall only combust natural gas or propane.
[Rule 62-4.070, FAC, and Rule 2.1401, JEPB]

4. VE shall be limited to less than 20% opacity from each emission point.
[Rule 62-296.320(4)(b), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

5. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[Rule 62-296.711, FAC and Rule 2.1101, JEPB]

6. VE testing shall be conducted 270 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 2.1201, JEPB]

7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5, 6, and 7 (as described in 40 CFR 60, Appendix A) for the determination of the PM, SO_2, and NO_x emission rates.
[Permit No. AC 16-100644, Rule 62-212.400(12), FAC, Rule 62-4.070, FAC, and Rule 2.401, JEPB, and Rule 2.1401, JEPB]

8. PM, SO_2, and NO_x testing for this EU shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC and Rule 2.1201, JEBP]

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 100 tons per hour of synthetic gypsum.
   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

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

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

Test Methods and Procedures

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

6. VE testing shall be conducted annually from the date of September 1, 2010. 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), FAC, and Rule 2.1201, 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 are 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 2,000 tons per hour of gypsum rock.
   [Rule 62-210.200(PTE), FAC, and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously ; i.e., 8,760 hours per year.
   [Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

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

4. VE from hopper nos. 1 and 2 transfer points onto conveyor C-1 and from conveyor C-1 transfer point to conveyor C-2 shall be limited to 10% opacity.
[40 CFR 60.672(b), Rule 62-204.800(8), 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(8), 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(8), FAC, and Rule 2.201, JEPB]

7. VE testing shall be conducted annually from the date of August 1, 2010. 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 2.1201, 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(8), FAC, and Rule 2.201, JEPB]

9. Visible fugitive emissions testing shall be conducted annually from the date of August 1, 2010. 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(8), 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 7,879 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 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 7,879 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. The estimated maximum heat input to the kettle burner (part of EU No. 092) is 15 million Btu per hour.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

4. This EU shall be allowed to operate continuously ; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB

Emission Limitations and Standards

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

6. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

7. PM emissions shall be limited to 0.015 gr/dscf [1.01 lbs/hr and 4.44 TPY].
[Permit No.0310072-015-AC, 40 CFR 60.732, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

8. VE shall be limited to 5 % opacity.
[40 CFR 60.732, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.736, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

10. VE testing shall be conducted annually from the date of March 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

11. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm [60 dscf].
[40 CFR 60.736, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

12. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

13. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 62-296.700(4)(228), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 12,596 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. The estimated maximum heat input to the kettle burner (part of EU No. 092) is 15 million Btu per hour.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

4. This EU shall be allowed to operate continuously ; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB

Emission Limitations and Standards

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

6. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

7. PM emissions shall be limited to 0.015 gr/dscf [1.62 lbs/hr and 7.09 TPY].
[Permit No.0310072-015-AC, 40 CFR 60.732, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

8. VE shall be limited to 5 % opacity.
[40 CFR 60.732, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.736, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

10. VE testing shall be conducted annually from the date of March 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

11. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm [60 dscf].
[40 CFR 60.736, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

12. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

13. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, 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 2.1201, 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 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 8,789 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously ; i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB

Emission Limitations and Standards

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

5. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [1.13 lbs/hr and 4.95 TPY].
[Permit No.0310072-015-AC, 40 CFR 60.732, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.732, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.736, Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of March 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm [60 dscf].
[40 CFR 60.736, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, JEPB]

Emission Unit No. 098-Cleaver Brooks Steam Generating Boiler No. 1

Emission Unit Description: This EU consists of a Cleaver Brooks steam generating boiler model no. CBL-700-1200-200 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(PTE), FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The only fuel which shall be fired is natural gas.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

4. Sulfur dioxide (SO_2) and PM emissions shall be controlled in accordance with the attached Best Available Control Technology (BACT) Determination.
[Rule 62-296.406(2) & (3), FAC and Rule 2.1101, 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 2.1101, JEPB]

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

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A), for the visual determination of opacity.
[Rule 62-297, FAC, and Rule 2.1201, JEPB]

8. VE compliance testing on the boiler shall be conducted no later than 270 days prior to the permit expiration date.
[Rule 62-4.070, FAC, and Rule 2.1401, 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 2.1201, JEPB]

Recordkeeping

10. The owner/operator shall record the amounts of fuel combusted each month.
[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 month 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- Cleaver Brooks Steam Generating Boiler No. 2

Emission Unit Description: This EU consists of a Cleaver Brooks steam generating boiler model no. CBL-700-1200-200 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(PTE), FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The only fuel which shall be fired is natural gas.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

4. Sulfur dioxide (SO_2) and PM emissions shall be controlled in accordance with the attached Best Available Control Technology (BACT) Determination.
[Rule 62-296.406(2) & (3), FAC and Rule 2.1101, 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 2.1101, JEPB]

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

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A), for the visual determination of opacity.
[Rule 62-297, FAC, and Rule 2.1201, JEPB]

8. VE compliance testing on the boiler shall be conducted no later than 270 days prior to the permit expiration date.
[Rule 62-4.070, FAC, and Rule 2.1401, 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 2.1201, JEPB]

Recordkeeping

10. The owner/operator shall record the amounts of fuel combusted each month.
[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 month 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- Cleaver Brooks Steam Generating Boiler No. 3

Emission Unit Description: This EU consists of a Cleaver Brooks steam generating boiler model no. CBL-700-1200-200 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(PTE), FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate continuously; i.e., 8,760 hours per year.
[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The only fuel which shall be fired is natural gas.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

4. Sulfur dioxide (SO_2) and PM emissions shall be controlled in accordance with the attached Best Available Control Technology (BACT) Determination.
[Rule 62-296.406(2) & (3), FAC and Rule 2.1101, 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 2.1101, JEPB]

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

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with Environmental Protection Agency (EPA) Reference Method (RM) 9 (as described in 40 CFR 60, Appendix A), for the visual determination of opacity.
[Rule 62-297, FAC, and Rule 2.1201, JEPB]

8. VE compliance testing on the boiler shall be conducted no later than 270 days prior to the permit expiration date.
[Rule 62-4.070, FAC, and Rule 2.1401, 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 2.1201, JEPB]

Recordkeeping

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

EU No. 101--Joint Treatment No. 1 Carbonate Silo

EU Description: Silo for storage of carbonate material

PM control device: Baghouse (bin vent) dust collector

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum air flow rate is 1,050 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 40 TPH.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

4. RACT requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.13 lbs/hr and 0.57 TPY].
[Permit No.0310072-015-AC]

6. VE shall be limited to 5% opacity.
[Rule 62-296.711(2)(a), FAC and Rule 2.1101, 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.
[Rule 62-296.711(3)(a), FAC and Rule 2.1101, JEPB]

8. VE testing shall be conducted annually from the date of September 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4), FAC, and Rule 2.1201, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711(3)(b), FAC and Rule 2.1101, JEPB]

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

11. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-296.700(6), FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1101, JEPB and Rule 2.501, JEPB]

EU No. 102--Joint Treatment No. 2 Carbonate Silo

EU Description: Silo for storage of carbonate material

PM control device: Baghouse (bin vent) dust collector

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum air flow rate is 1,050 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 40 TPH.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

4. RACT requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.13 lbs/hr and 0.57 TPY].
[Permit No.0310072-015-AC]

6. VE shall be limited to 5% opacity.
[Rule 62-296.711(2)(), FAC and Rule 2.1101, 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.
[Rule 62-296.711(3)(a), FAC, and Rule 2.1101, JEPB]

8. VE testing shall be conducted annually from the date of September 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4), FAC, and Rule 2.1201, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711(3)(b), FAC and Rule 2.1101, JEPB]

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

11. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-296.700(6), FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1101, JEPB and Rule 2.501, JEPB]

EU No. 103--Joint Treatment Mica Silo

EU Description: Silo for storage of mica

PM control device: Baghouse (bin vent) dust collector

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum air flow rate is 800 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 30 TPH.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

4. RACT requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.10 lbs/hr and 0.45 TPY].
[Permit No.0310072-015-AC]

6. VE shall be limited to 5% opacity.
[Rule 62-296.711(2)(a), FAC and Rule 2.1101, 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.
[Rule 62-296.711(3)(a), FAC, and Rule 2.1101, JEPB]

8. VE testing shall be conducted annually from the date of September 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4), FAC, and Rule 2.1201, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711(3)(b), FAC and Rule 2.1101, JEPB]

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

11. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-296.700(6), FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1101, JEPB and Rule 2.501, JEPB]

EU No. 104--Joint Treatment Clay Silo

EU Description: Silo for storage of clay material

PM control device: Baghouse (bin vent) dust collector

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum air flow rate is 800 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 35 TPH.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

4. RACT requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.10 lbs/hr and 0.45 TPY].
[Permit No.0310072-015-AC]

6. VE shall be limited to 5% opacity.
[Rule 62-296.711(2)(a), FAC and Rule 2.1101, 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.
[Rule 62-296.711(3)(a), FAC, and Rule 2.1101, JEPB]

8. VE testing shall be conducted annually from the date of September 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4), FAC, and Rule 2.1201, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711(3)(b), FAC and Rule 2.1101, JEPB]

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

11. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-296.700(6), FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1101, JEPB and Rule 2.501, JEPB]

EU No. 105--Joint Treatment Talc/Perlite Storage Silo

EU Description: Silo for storage of talc or perlite material

PM control device: Baghouse (bin vent) dust collector

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum air flow rate is 800 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 20 TPH.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

4. RACT requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.10 lbs/hr and 0.45 TPY].
[Permit No.0310072-015-AC]

6. VE shall be limited to 5% opacity.
[Rule 62-296.711(2)(a), FAC and Rule 2.1101, 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.
[Rule 62-296.711(3)(a), FAC, and Rule 2.1101, JEPB]

8. VE testing shall be conducted annually from the date of September 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4), FAC, and Rule 2.1201, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711(3)(b), FAC and Rule 2.1101, JEPB]

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

11. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-296.700(6), FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1101, JEPB and Rule 2.501, JEPB]

EU No. 106- Joint Treatment (Wet and Dry) Premixer System

EU Description: Ingredients for the production of joint compounds are mixed in 4 premixers (2 wet premixers and 2 dry premixers)

PM control device: Two (2) Baghouse dust collectors each with a stack discharge into the inside of the building

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum air flow rate is 2,000 dscfm (1,000 dscfm per baghouse).
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 30 TPH.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

4. RACT requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.26 lbs/hr and 1.13 TPY].
[Permit No.0310072-015-AC]

6. Visible fugitive emissions from the building housing this EU shall be prohibited.
[Rule 62-296.711, FAC and Rule 2.1101, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with EPA RM 22 (as described in 40 CFR 60, Appendix A) for the visual determination of fugitive emissions.
[Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

8. VE testing shall be conducted annually from the date of October 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4), FAC, and Rule 2.1201, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711(3)(b), FAC and Rule 2.1101, JEPB]

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

11. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-296.700(6), FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1101, JEPB and Rule 2.501, JEPB]

EU No. 107- Joint Treatment Bag Dumpstation

EU Description: Joint compound ingredients are dumped into hopper for processing

PM control device: Baghouse dust collector

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum air flow rate is 1,200 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. This EU shall be allowed to operate continuously, i.e., 8,760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

3. The maximum process rate is 1.0 TPH.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

4. RACT requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

5. PM emissions shall be limited to 0.015 gr/dscf [0.15 lbs/hr and 0.68 TPY].
[Permit No.0310072-015-AC]

6. VE shall be limited to 5% opacity.
[Rule 62-296.711(2)(a), FAC and Rule 2.1101, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with EPA RM 9 (as described in 40 CFR 60, Appendix A),for the visual determination of opacity.
[Rule 62-296.711(3)(a), FAC, and Rule 2.1101, JEPB]

8. VE testing shall be conducted annually from the date of October 1, 2010. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4), FAC, and Rule 2.1201, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711(3)(b), FAC and Rule 2.1101, JEPB]

10. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

11. The permittee shall maintain records as required by the attached O&M Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-296.700(6), FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 2.1101, JEPB and Rule 2.501, JEPB]

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

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

Emission Limitations and Standards

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

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

[Permit No. 0310072-015-AC, Rule 62-210.200, FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate 8,760 hours per year per each wallboard dryer burner.
[Rule 62-4.070, FAC, and Rule 2.1401, JEPB]

3. This EU shall only combust natural gas or propane.
[Rule 62-4.070, FAC, and Rule 2.1401, JEPB]

4. VE shall be limited to a maximum of 5% opacity from each emission point.
[Permit No. 0310072-015-AC, Rule 62-4.070, FAC, and Rule 2.1401, JEPB]

Test Methods and Procedures

5. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[Rule 62-297, FAC, and Rule 2.1201, JEPB]

6. VE testing shall be conducted 270 days prior to permit renewal. VE testing shall be conducted for a minimum period of 30 minutes on each emission point.
[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1201, JEPB]

7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5, 6, and 7 (as described in 40 CFR 60, Appendix A) for the determination of the PM, SO_2, and NO_x emission rates.
[Permit No. 0310072-015-AC, Rule 62-212.400(12), FAC, Rule 62-4.070, FAC, Rule 2.401, JEPB, and Rule 2.1401, JEPB]

8. PM, SO_2, and NO_x testing for this EU shall be conducted upon request of the Permitting Authority.
[Permit No. 0310072-015-AC, Rule 62-212.400(12), FAC, Rule 62-4.070, FAC, Rule 2.401, JEPB, and Rule 2.1401, JEPB]

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

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

Emission Limitations and Standards

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

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

[Permit No. 0310072-015-AC, Rule 62-210.200, FAC and Rule 2.301, JEPB]

2. This EU shall be allowed to operate 8,760 hours per year per each wallboard dryer burner.
[Rule 62-4.070, FAC, and Rule 2.1401, JEPB]

3. This EU shall only combust natural gas or propane.
[Rule 62-4.070, FAC, and Rule 2.1401, JEPB]

4. VE shall be limited to a maximum of 5% opacity from each emission point.
[Permit No. 0310072-015-AC, Rule 62-4.070, FAC, and Rule 2.1401, JEPB]

5. Additive use in wallboard production on wallboard production line nos. 2 and 3 shall be limited to a maximum of 1.44 X 10^6 pounds per year total. Glass mat use in wallboard production on wallboard production line nos. 2 and 3 shall be limited to a maximum of 3.08 X 10^6 pounds per year total as a paper substitute. Year means calendar year.
[Permit No. 0310072-016-AC, Rule 62-212.400(12), FAC, and Rule 2.401, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[Rule 62-297, FAC, and Rule 2.1201, JEPB]

7. VE testing shall be conducted 270 days prior to permit renewal. VE testing shall be conducted for a minimum period of 30 minutes on each emission point.
[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1201, JEPB]

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5, 6, and 7 (as described in 40 CFR 60, Appendix A) for the determination of the PM, SO_2, and NO_x emission rates.
[Permit No. 0310072-015-AC, Rule 62-212.400(12), FAC, Rule 62-4.070, FAC, Rule 2.401, JEPB, and Rule 2.1401, JEPB]

9. PM, SO_2, and NO_x testing for this EU shall be conducted upon request of the Permitting Authority.
[Permit No. 0310072-015-AC, Rule 62-212.400(12), FAC, Rule 62-4.070, FAC, Rule 2.401, JEPB, and Rule 2.1401, JEPB]

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

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

Emission Limitations and Standards

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

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

[Permit No. 0310072-015-AC, Rule 62-210.200, FAC, and Rule 2.301, JEPB]

Essential Potential to Emit (PTE) Parameters

2. This EU shall be allowed to operate 8,760 hours per year per each wallboard dryer burner.
[Rule 62-4.070, FAC, and Rule 2.1401, JEPB]

3. This EU shall only combust natural gas or propane.
[Rule 62-4.070, FAC, and Rule 2.1401, JEPB]

4. VE shall be limited to a maximum of 5% opacity from each emission point.
[Permit No. 0310072-015-AC, Rule 62-4.070, FAC, and Rule 2.1401, JEPB]

5. Additive use in wallboard production on wallboard production line nos. 2 and 3 shall be limited to a maximum of 1.44 X 10^6 pounds per year total. Glass mat use in wallboard production on wallboard production line nos. 2 and 3 shall be limited to a maximum of 3.08 X 10^6 pounds per year total as a paper substitute. Year means calendar year.
[Permit No. 0310072-016-AC, Rule 62-212.400(12), FAC, and Rule 2.401, JEPB]

Test Methods and Procedures

6. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity.
[Rule 62-297, FAC, and Rule 2.1201, JEPB]

7. VE testing shall be conducted 270 days prior to permit renewal. VE testing shall be conducted for a minimum period of 30 minutes on each emission point.
[Rule 62-297.310(7)(a)4., FAC, and Rule 2.1201, JEPB]

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5, 6, and 7 (as described in 40 CFR 60, Appendix A) for the determination of the PM, SO_2, and NO_x emission rates.
[Permit No. 0310072-015-AC, Rule 62-212.400(12), FAC, Rule 62-4.070, FAC, Rule 2.401, JEPB, and Rule 2.1401, JEPB]

9. PM, SO_2, and NO_x testing for this EU shall be conducted upon request of the Permitting Authority.
[Permit No. 0310072-015-AC, Rule 62-212.400(12), FAC, Rule 62-4.070, FAC, Rule 2.401, JEPB, and Rule 2.1401, JEPB]

Emission Unit No. 111-No. 3 Board Plant Starch Receiver/Refill Bin

Emission Unit Description: Starch receiving and storage

Particulate Matter (PM) control device: SENECA Baghouse Model 2-CARTHZ-245

Essential Potential to Emit (PTE) Parameters

1. The estimated maximum process rate is 3 TPH.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

2. The estimated maximum air flow rate is 500 dscfm.
[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

3. This EU shall be allowed to operate continuously ; i.e.: 8760 hours per year.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, 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 2.1101, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1101, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

6. PM emissions shall be limited to 0.015 gr/dscf [0.06 lbs/hr and 0.28 TPY].
[Applicant's Request, Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

7. VE shall be limited to 5 % opacity.
[40 CFR 60.672, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

Test Methods and Procedures

8. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A), and the procedures in 40 CFR 60.11, for the visual determination of opacity.
[40 CFR 60.675, Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB]

9. VE testing shall be conducted annually from the date of May 1, 2012. VE testing shall be conducted for a minimum period of 30 minutes.
[Rule 62-297.310(4)(a)2., FAC, and Rule 2.1201, JEPB]

10. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM concentration. The minimum sample volume shall be 30 dscf.
[Rule 62-296.711, FAC, and Rule 2.1101, JEPB]

11. PM testing shall be conducted upon request of the Permitting Authority.
[Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB]

Record-keeping and Reporting

12. The permittee shall maintain records as required by the attached Operation and Maintenance (O&M) Plan. Records shall be maintained for a minimum period of five (5) years. Records shall be provided upon request of the Permitting Authority.
[Rule 62-4.070, FAC, Rule 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, JEPB]

Emissions Unit No. 112 – Emergency Fire Pump and Generator Diesel Engines

Emissions Unit Description – One fire pump diesel engine - Model No. CTCA8.3F2 and one emergency diesel engine generator – Model No. DGFC-5742614 and Serial No. J050846636 (Engine Model No. 6CTAA8.3G2)

Description of Engine	Date Built	Displacement/Horsepower	Rule Applicability
201 kW Cummins Fire Pump Engine	11/10/2000	1.38 liters/cylinder & 270 BHP	40 CFR Part 63, Subpart ZZZZ
200 kW Cummins Generator Diesel Engine	11/03/2005	1.38 liters/cylinder & 268 BHP	40 CFR Part 63, Subpart ZZZZ

{**Permitting Note:** This permit section addresses existing, emergency compression ignition (CI) reciprocating internal combustion engines (RICE) constructed prior to June 12, 2006 and located at an area source of HAP emissions.}

1. 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines and 40 CFR 63, Subpart A, General Provisions shall apply to the engines of this emissions unit.
   [40 CFR 63.6585, Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

2. The permittee shall comply with the following operating limitations no later than May 3, 2013.
   [40 CFR 63.6595(a)(1), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Essential Potential to Emit (PTE) Parameters

3. The owner or operator shall operate and maintain the emergency stationary RICE according to the following:

   (a) There is no time limit on the use of emergency stationary RICE in emergency situations.
   (b) The emergency stationary RICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or Local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year.
   (c) The emergency stationary RICE may be operated up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance checks and readiness testing.
   (d) The 50 hours per year for non-emergency situations may not be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity.
   [40 CFR 63.6640(f), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

4. The owner or operator shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
   [40 CFR 63.6625(h), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Emission Limitations and Operating Requirements

5. The owner or operator shall comply with the following requirements as outlined in 40 CFR 63, Subpart ZZZZ, Table 2d.

   a. Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil analysis program to extend this interval, as provided in Specific Condition No. 6 below.
   b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first.

   c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
   [40 CFR 63.6603(a), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

6. The owner or operator has the option of using an oil analysis program to extend the oil change requirement. The oil analysis shall be performed at the same frequency specified for changing the oil in Specific Condition No. 5 for this emissions unit. The analysis program shall at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator shall change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator shall change the oil within 2 days or before commencing operation, whichever is later. The owner or

operator shall keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program shall be part of the maintenance plan for the engine.
[40 CFR 63.6625(i), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

7. The owner or operator shall operate and maintain the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions or develop and follow their own maintenance plan which shall provide, to the extent practicable, for the maintenance and operation of the engine in a manner consistent with good air pollution control practices for minimizing emissions.
[40 CFR 63.6640(a), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Monitoring Requirements

8. The owner or operator shall install a non-resettable hour meter if one is not already installed.
[40 CFR 63.6625(f), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Compliance Requirements

9. Each unit shall be in compliance with the operating standards in this section at all times.
[40 CFR 63.6605(a), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

10. Operation and Maintenance of Equipment. At all times the owner or operator shall operate and maintain the stationary RICE, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Compliance Authority which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
[40 CFR 63.6605(b), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

Recordkeeping and Reporting Requirements

11. The owner or operator shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the stationary RICE and after-treatment control device (if any) was operated and maintained according to their own maintenance plan.
[40 CFR 63.6655(e), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

12. The owner or operator shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator shall keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.
[40 CFR 63.6655(f), Rule 62-204.800(11), FAC and Rule 2.201, JEPB]

13. The records in Specific Condition Nos. 11 and 12 for this emissions unit shall be kept and maintained for a minimum period of five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. Records shall be provided to the Permitting Authority upon request.
[40 CFR 63.6660, Rule 62-204.800(11), FAC and Rule 2.201, JEPB]