United States Gypsum Company
Jacksonville Plant

Facility ID No. 0310072
Duval County

Title V Air Operation Permit Renewal

Permit No. 0310072-028-AV
(Renewal of Title V Air Operation Permit No. 0310072-027-AV)

Permitting Authority:

State of Florida
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Florida Department of Environmental Protection

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PERMITTEE:
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6825 Evergreen Avenue
Jacksonville, Florida 32208-4996

Permit No. 0310072-028-AV
Jacksonville Facility
Facility ID No. 0310072
Title V Air Operation Permit Renewal

The purpose of this permit is to renew Title V air operation permit No. 0310072-027-AV for the above referenced facility. This permitting action also includes the removal of Hurst Boilers No.1 (EU 098), No. 2 (EU 099) and Hurst Boiler No. 3 (EU 100) from the list of regulated emissions units at the facility. The existing Jacksonville Facility is located in Duval County at 6825 Evergreen Avenue, Jacksonville Florida. UTM Coordinates: Zone 17, 438.9 km East and 3361.2 km North; Latitude: 30º 22’ 52” North and Longitude: 81º 38’ 07” West.

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-213. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

0310072-028-AV Effective Date: September 08, 2016
Renewal Application Due Date: January 26, 2021
Expiration Date: September 08, 2021

Richard S. Rachal III, P.G.
Permitting Program Administrator

RSR/yke

Subsection A. Facility Description.

This facility consists of a manufacturing plant for the production of gypsum wallboard. Gypsum ore is received at the plant by truck, 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 Pre-mixer System (EU 106) where the dry raw materials are mixed in dry pre-mixers 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. 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.

Subsection B. Summary of Emissions Units.

E.U. ID No.	Brief Description
Regulated Emissions Units	
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 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

E.U. ID No.	Brief Description
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
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) Pre-mixer System
108	Wallboard Coating Booth 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

Also included in this permit are miscellaneous insignificant emissions units and/or activities (see Appendix I, List of Insignificant Emissions Units and/or Activities).

Subsection C. Applicable Regulations.

Based on the Title V air operation permit renewal application received May 24, 2016, this facility is a synthetic source of hazardous air pollutants (HAP). The existing facility is not a prevention of significant deterioration (PSD) major source of air pollutants in accordance with Rule 62-212.400, F.A.C., and Rule 2.401 JEPB. Compliance Assurance Monitoring (CAM) applies to this facility A summary of applicable regulations is shown in the following table.

Regulation	EU No(s).
Federal Rule Citations	
40 CFR 60, Subpart A, NSPS General Provisions	005, 006, 007, 037, 039, 040, 043, 048, 054, 057, 058, 060, 061, 062, 064, 065, 066, 089, 090, 093, 094, 095, 096, 097, 101, 102, 103, 104, 105,106111
40 CFR 60 Subpart OOO- Standards of Performance for Non-Metallic Mineral Processing Plants	005, 006, 007, 037, 040, 043, 054, 058, 060, 061, 062, 064, 065, 066, 089, 090, 093, 094, 101, 102, 103, 104, 105,106,111

40 CFR 60, Subpart UUU, Standards of Performance for Calciners and Dryers in Mineral Industries	039, 048, 057, 095, 096, 097
40 CFR 63, Subpart A, NESHAP General Provisions	112
40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	112
State Rule Citations	
Particulate Matter (PM) Reasonably Available Control Technology (RACT) Rules 62-296.700(3), 62-296.700(4), 62-296.700(5), 62-296.700(6), FAC	005, 006, 007, 037, 039, 040, 042, 043, 048, 054, 057, 058, 060, 061, 062, 063, 064, 065, 066, 077, 088, 089, 090, 095, 096, 097, 101, 102, 103, 104, 105, 106, 111
State Rule Citations (Rule 62-296, 297, F.A.C.	All
Local Ordinances	
City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], JEPB Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice]; JEPB Rule 2, Parts I through VII, and Parts IX through XIV	All

The following conditions apply facility-wide to all emission units and activities:

FW1. Appendices. The permittee shall comply with all documents identified in Section IV, Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated.

[Rule 62-213.440, F.A.C.]

FW2. 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, F.A.C.; and Rule 2.501, JEPB]

FW3. **Not Federally Enforceable]** 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].

FW4. **[Not Federally Enforceable]** The facility shall be subject to JEPB Rule 2, Parts I through VII, and Parts IX through XIV.

Emissions and Controls

FW5. **Not federally Enforceable.** Objectionable Odor Prohibited. No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.

[Rule 62-296.320(2) and 62-210.200(Definitions), F.A.C.; and Rule 2.1101, JEPB; Construction Permit No. 0310072-006-AC; Construction Permit No. 0310072-010-AC; Construction Permit No. 0310072-013-AC; Construction Permit No. 0310072-015-AC; Construction Permit No. 0310072-018-AC; Construction Permit No. 0310072-019-AC]

FW6. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed-necessary and ordered by the Department.

[Rule 62-296.320(1), F.A.C. and Rule 2.1101, JEPB]

{Permitting Note: Nothing is deemed necessary and ordered at this time.}

FW7. General Visible Emissions. No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. This regulation does not impose a specific testing requirement.

[Rule 62-296.320(4)(b), F.A.C.., and Rule 2.1101, JEBP]

FW8. Unconfined Particulate Matter. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter 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 to prevent emissions of unconfined particulate matter at this facility include:

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), F.A.C. and Rule 2.1101, JEPB, TV air operation permit renewal received May 24, 2016]

FW9. 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.

[Rule 62-212.400(12), FAC, Rule 2.1401, JEPB and Rule 2.401, JEPB and Permit No.0310072-015-AC]

FW10. 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.

[Rule 2.1401, JEPB, Permit Nos.0310072-015-AC & 0310072-026-AC]

Annual Reports and Fees

See Appendix RR, Facility-wide Reporting Requirements for additional details.

FW11. Electronic Annual Operating Report and Title V Annual Emissions Fees. The information required by the Annual Operating Report for Air Pollutant Emitting Facility [Including Title V Source Emissions Fee Calculation] (DEP Form No. 62-210.900(5)) shall be submitted by April 1 of each year, for the previous calendar year, to the Department of Environmental Protection's (DEP) Division of Air Resource Management. Each Title V source shall submit the annual operating report using the DEP's Electronic Annual Operating Report (EAOR) software, unless the Title V source claims a technical or financial hardship by submitting DEP Form No. 62-210.900(5) to the DEP Division of Air Resource Management instead of using the reporting software. Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C. Each Title V source must pay between January 15 and April 1 of each year an annual emissions fee in an amount determined as set forth in subsection 62-213.205(1), F.A.C. The annual fee shall only apply to those regulated pollutants, except carbon monoxide and greenhouse gases, for which an allowable numeric emission-limiting standard is specified in the source's most recent construction permit or operation permit. Upon completing the required EAOR entries, the EAOR Title V Fee Invoice can be printed by the source showing which of the reported emissions are subject to the fee and the total Title V Annual Emissions Fee that is due. The submission of the annual Title V emissions fee payment is also due (postmarked) by April 1st of each year. A copy of the system-generated EAOR Title V Annual Emissions Fee Invoice and the indicated total fee shall be submitted to: **Major Air Pollution Source Annual Emissions Fee, Post Office Box 3070, Tallahassee, Florida 32315-3070.** Additional information is available 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. [Rules 62-210.370(3), 62-210.900 & 62-213.205, F.A.C.; and, §403.0872(11), Florida Statutes (2013) and Rule 2.301, JEPB; Rule 2.501, JEPB]

{Permitting Note: Resources to help you complete your AOR are available on the electronic AOR (EAOR) website at: http://www.dep.state.fl.us/air/emission/eaor. If you have questions or need assistance after reviewing the information posted on the EAOR website, please contact the Department by phone at (850) 717-9000 or email at eaor@dep.state.fl.us.}

{Permitting Note: The Title V Annual Emissions Fee form (DEP Form No. 62-213.900(1)) has been repealed. ***A separate Annual Emissions Fee form is no longer required to be submitted by March 1st each year.****}*

FW12. Annual Statement of Compliance. The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit and to the US. EPA at the address shown below within 60 days after the end of each calendar year during which the Title V air operation permit was effective. [Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C. and Rule 2.501, JEPB]

U.S. Environmental Protection Agency, Region 4
Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, Georgia 30303
Attn: Air Enforcement Branch

FW13. Prevention of Accidental Releases (Section 112(r) of CAA). If, and when, the facility becomes subject to 112(r), the permittee shall:

a. Submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent electronically through EPA's Central Data Exchange system at the following address: https://cdx.epa.gov. Information on electronically submitting risk management plans using the Central Data Exchange system is available at: http://www2.epa.gov/rmp. The RMP Reporting Center can be contacted at: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.
b. Submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.

[40 CFR 68]

Subsection A. Emissions Unit 005 - Textures Bulk Calcium Carbonate Unloading and Supply System

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
005	Textures Bulk Calcium Carbonate Unloading and Supply System

35 ton/hour Textures Bulk Calcium Carbonate Unloading and Supply System. 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.

The system is equipped with a Seneca Model Number (M/N) 40-FMTHS-100, 2,648 dscfm Baghouse for the control of Particulate Matter (PM).

{Permitting Note: This emission unit is regulated under 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants; 40 CFR 60, Subpart A, General Provisions and Reasonably Available Control Technology (RACT) requirements including Specific RACT Emission Limiting Standards for Stationary Emission Units; Maximum Allowable Emission Rates; Circumvention, and Operation and Maintenance Plan and Rule 2.301, JEPB; Rule 2.1101, JEPB and Rule 2.1201, JEPB}

Essential Potential to Emit (PTE) Parameters

A.1. Permitted Capacity. The maximum loading rate of calcium carbonate to the silo is 35 Tons Per Hour (TPH).

[Rules 62-4.160(2), 62-204.800, 62-210.200(PTE), 62-296.700(4), F.A.C.; and, Rule 2.1101, JEPB]

A.2. Emissions Unit Operating Rate Limitation After Testing. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements.

[Rule 62-297.310(2), F.A.C.]

A.3. Method of Operation – Control Device. The maximum air flow rate of the baghouse is 2,648 dry standard cubic feet per minute (dscfm).

[Rule 62-296.700 (4), F.A.C.; Rule 2.1101, JEPB]

A.4. Hours of Operation. This emissions unit may operate continuously (8,760 hours/year).

[Rule 62-210.200(PTE), F.A.C.; Rule 2.301, JEPB and, Permit No. 0310072-013-AC]

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging time(s) for **Specific Condition(s) A.5.-A.6.** are based on the specified averaging time of the applicable test method.

A.5. Visible Emissions. Visible emissions shall not exceed five (5) % opacity.

[Rule 62-204.800(8), Rule 62-296.711(2), FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB ,40 CFR 60.672(f) and Table 3 of Subpart OOO]

A.6. Particulate Matter (PM) Emissions. PM emissions shall not exceed 0.015 gr/dscf [0.34 pounds per hour lb./hr.) and 1.49 tons per year].

[Rule 62-296.711(2), FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB and Permit No. 0310072-015-AC]

A.7. 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.

[40 CFR 60.670(a) (1),(e) (f)]

A.8. 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** shall apply to this emission unit.

[Rule 62-296.700(6), FAC, and Rule 2.1101, JEPB]

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

A.9. Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C. & Rule 2.201 JEPB]

A.10. Excess Emissions Prohibited. 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.

[Rule 62-210.700(4), F.A.C. & Rule 2.201 JEPB]

Test Methods and Procedures

{Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

A.11. Test Methods. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-296.711(3), F.A.C.; Rule 2.1101, JEPB, Rule 2.201, JEPB and 40 CFR 60.675]

A.12. Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C. & Rules 2.1101 & 2.201, JEBP]

A.13. Annual Compliance Tests / Compliance Tests Prior to Renewal. During each calendar year (January 1st to December 31st), this EU shall be tested to demonstrate compliance with the emissions standards for Visible emissions in **Specific Condition A.5**. Except as provided in subparagraph 62-297.310(8)(b)3., F.A.C. (see condition **TR7.b.(3)** in Appendix TR – Facility-wide Testing Requirements), in addition to the annual compliance tests specified by this condition , compliance tests shall also be performed for Visible Emissions to demonstrate compliance with the emissions limit in **Specific Condition A.5** prior to obtaining a renewed operation permit.

[Rule 62-297.310(8)(a)1 & 3, F.A.C., Rule 62-297.310(8)(b)1., F.A.C., Rule 62-297.310(8)(b)2., F.A.C. & Rule 2.1201 JEPB]

A.14. Visible Emissions Test – Required Sampling Time. The required minimum period of observation for visible emissions test shall be 30 minutes except for batch, cyclical processor other operations that are typically completed within less than the minimum operation period, the period of operation shall include each occurrence of the operation during the minimum observation period. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[Rule 62-297.310(5)(b), FAC, and Rule 2.1201, JEPB]

A.15. Particulate Matter Emissions Test (PM). PM testing shall be conducted upon request of the permitting authority. A visible emissions test indicating no visible emissions (5% opacity) may be submitted in lieu of a particulate stack test.

[Rule 62- 296.711(3) c, and Rule 2.1201, JEPB]

Recordkeeping and Reporting Requirements

A.16. The Permittee shall maintain records as required by the attached Operation and Maintenance (O&M) Plan. Records shall be maintained for a minimum of 5 years. Records shall be provided upon request of the Permitting Authority.

[Rule 62-213.440(1)(b), F.A.C. Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, JEPB]

A.17. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection B. Emissions Unit 006 No. 3 Stucco Storage Bin, EU 007 No. 4 Stucco Storage Bin, EU 040 No. 2 Stucco Storage Bin and EU 058 No. 1 Stucco Storage Bin

The specific conditions in this section apply to the following emissions units:

EU No.	Brief Description
006	No. 3 Stucco Storage Bin
007	No. 4 Stucco Storage Bin
040	No. 2 Stucco Storage Bin
058	No. 1 Stucco Storage Bin

EU 006 – 40 tons per hour capacity No. 3 Stucco Storage Bin, equipped with a 99.9% design efficiency Fuller 2,700 dscfm reverse pulse jet baghouse for the control of Particulate Matter (PM).

EU 007 – 40 tons per hour capacity No. 4 Stucco Storage Bin equipped with a 99.9 % design efficiency Seneca Model Number (M/N) 84-IMTHBVJ - 8, 2,240 dscfm reverse pulse jet baghouse for the control of Particulate Matter (PM).

EU 040 – 80 tons per hour capacity No. 2 Stucco Storage Bin equipped with a 99.9 % design efficiency Seneca Model Number (M/N) 255-IMBV- 8, 6,492 dscfm reverse pulse jet baghouse for the control of Particulate Matter (PM).

EU 058 – 40 tons per hour capacity No.1 Stucco Storage Bin Calcined gypsum storage bin associated with the No. 7 Calcining Kettle. No.1 Stucco Storage Bin is equipped with a 99.9 % design efficiency Seneca Model Number (M/N) 100-IMBV, 3,246 dscfm reverse pulse jet baghouse for the control of Particulate Matter (PM).

{Permitting Note: These emission units are regulated under 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants; 40 CFR 60, Subpart A, General Provisions and Reasonably Available Control Technology (RACT) requirements including Specific RACT Emission Limiting Standards for Stationary Emission Units; Maximum Allowable Emission Rates; Circumvention, and Operation and Maintenance Plan and Rule 2.301, JEPB; Rule 2.1101, JEPB and Rule 2.1201, JEPB}

Essential Potential to Emit (PTE) Parameters

B.1. Permitted Capacity.

a. **EU 006, EU 007 & EU 058.** The maximum loading rate of stucco to the storage silos is 40 Ton Per Hour (TPH)

b. **EU 040.** The maximum loading rate of stucco to the storage silo is 80 Ton Per Hour (TPH).

[Rules 62-4.160(2), 62-204.800, 62-210.200(PTE), 62-296.700(4), FAC, and Rule 2.1101, JEPB

B.2. Emissions Units Operating Rate After Testing. See the related testing provisions in Appendix TR, Facility - wide Testing Requirements.

[Rule 62-297.310(2) F.A.C.]

B.3. Method of Operation – Control Device.

a. **EU 006 -** No. 3 Stucco Storage Bin: The maximum air flow rate of this emissions unit baghouse is 2,700 dry standard cubic feet per minute (dscfm).

b. **EU 007 -** No. 4 Stucco Storage Bin: The maximum air flow rate of this emissions unit baghouse is 2,240 dry standard cubic feet per minute (dscfm).

c. **EU 040 -** No. 2 Stucco Storage Bin. The maximum air flow rate of this emissions unit baghouse is 6,492 dry standard cubic feet per minute (dscfm).

d. **EU 058 -** No. 1 Stucco Storage Bin. The maximum air flow rate of this emissions unit baghouse is 3,246 dry standard cubic feet per minute (dscfm).

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

B.4. Hours of Operation. These emissions units may operate continuously (8760 hours/year).

[Rule 62-210.200(PTE), F.A.C.; Rule 2.301, JEPB]

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging time(s) for **Specific Condition(s) B.5.-B.6**. are based on the specified averaging time of the applicable test method.

B.5. Visible Emissions EU 006,007,040 & 058. Visible Emissions shall not exceed five (5) % opacity.

[Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, & 2.201, JEPB and 40 CFR 60.672(f) and Table 2 of Subpart OOO]

B.6. Particulate Matter (PM) Emissions.

EU 006 – No. 3 Stucco Storage Bin. PM emissions shall not exceed 0.015 gr/dscf [0.35 pounds per hour (lbs./hr.) and 1.52 tons per year].

EU 007 – No. 4 Stucco Storage Bin. PM emissions shall not exceed 0.015 gr/dscf [0.29 pounds per hour (lbs./hr.) and 1.26 tons per year].

EU 040 – No. 2 Stucco Storage Bin. PM emissions shall not exceed 0.015 gr/dscf [0.83 pounds per hour (lbs./hr.) and 3.66 tons per year].

EU 058 – No. 1 Stucco Storage Bin. Pm emissions shall not exceed 0.015 gr/dscf [0.42 pounds per hour (lbs./hr.) and 1.83 tons per year].

[Rule 62-296.711, FAC, and Rule 2.1101, JEPB and Permit No. 0310072-015-AC]

B.7. 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions shall apply to these emission units.

[40 CFR 60. 670(a)(1) (e) & (f)]

B.8. 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 these emission units.

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

B.9. Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C. & Rule 2.201 JEPB]

B.10. Excess Emissions Prohibited. 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.

[Rule 62-210.700(4), F.A.C& Rule 2.201 JEPB.]

Test Methods and Procedures

{Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

B.11. Test Methods. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-296.711(3), F.A.C.; Rule 2.1101, JEPB, Rule 2.201, JEPB and 40 CFR 675]

B.12. Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C. & Rules 2.1101 & 2.201 JEPB]

B.13. Annual Compliance Tests / Compliance Tests Prior to Renewal. During each calendar year (January 1st to December 31st), each EU (EU 006), (EU 007), (EU 040) and (EU 058) shall be tested to demonstrate compliance with the emissions standards for Visible emissions in **Specific Condition B.5** Except as provided in subparagraph 62-297.310(8)(b)3., F.A.C. (see condition **TR7.b.(3)** in Appendix TR – Facility-wide Testing Requirements), in addition to the annual compliance tests specified by this condition , compliance tests shall also be performed for Visible Emissions to demonstrate compliance with the emissions limit in **Specific Condition B.5** prior to obtaining a renewed operation permit.

[Rule 62-297.310(8)(a)1 & 3, Rule 62-297.310(8)(b)1., Rule 62-297.310(8)(b)2., F.A.C. & Rule 2.1201 JEPB]

B.14. Visible Emissions Test – Required Sampling Time. The required minimum period of observation for visible emissions test shall be 30 minutes except for batch, cyclical processor other operations that are typically completed within less than the minimum operation period, the period of operation shall include each occurrence of the operation during the minimum observation period. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[Rule 62-297.310(5)(b), FAC, and Rule 2.1201, JEPB]

B.15. Particulate Matter Emissions Test (PM). PM testing shall be conducted upon request of the permitting authority. A visible emissions test indicating no visible emissions (5% opacity) may be submitted in lieu of a particulate stack test.

[Rule 62- 296.711(3)(c), and Rule 2.1201, JEPB]

Recordkeeping and Reporting Requirements

B.16. The Permittee shall maintain records as required by the attached Operation and Maintenance (O&M) Plan. Records shall be maintained for a minimum of 5 years. Records shall be provided upon request of the Permitting Authority.

[Rule 62-213.440(1)(b), F.A.C. Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, JEPB]

B.17. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection C. Emissions Unit 037 - No. 2 Raymond Mill, EU 043 - No. 3 Raymond Mill & No. 7 Kettle Landplaster Elevator, EU 060 - No.5 Raymond Mill, EU 066 - No. 6 Raymond Mill & Rock Screw, & EU 089 – No. 4 Raymond Mill

Subsection C. The specific conditions in this section apply to the following emissions units:

EU No.	Brief Description
037	No. 2 Raymond Mill
043	No. 3 Raymond Mill & No. 7 Kettle Landplaster
060	No. 5 Raymond Mill
066	No. 6 Raymond Mill & Rock Screw
089	No. 4 Raymond Mill

EU 037 – 25 tons per hour capacity No. 2 Raymond Mill for the crushing of gypsum ore. The No. 2 mill is, equipped with a 99.9% design efficiency 9, 256 dscfm Flex Kleen dust collector M/N 84-UDC-144 for the control of Particulate Matter (PM).

EU 043 – 45 tons per hour capacity No. 3 Raymond Mill for the crushing of gypsum ore and the No. 7 Kettle Landplaster elevator for the moving of gypsum. The No. 3 mill is equipped with a 99.9% design efficiency 10,000 dscfm Flex Kleen dust collector M/N 84-UDC-192 for the control of Particulate Matter (PM).

EU 060 – 40 tons per hour capacity No. 5 Raymond Mill for the crushing of gypsum ore. The No. 5 mill is equipped with a 99.9% design efficiency 5,020 dscfm Seneca Baghouse M/N 144-IMTS-8 for the control of Particulate Matter (PM).

EU 066 – 155 tons per hour capacity No. 6 Raymond Mill for the crushing of gypsum ore and the rock screw (EU066) for the movement of ore. The No. 6 mill is equipped with a 99.9% design efficiency 12,000 dscfm Seneca reverse pulse jet baghouse M/N 320-THS-8 for the control of Particulate Matter (PM).

EU 089 - 30 tons per hour capacity No. 4 Raymond Mill for the crushing of gypsum ore. The No. 4 mill is equipped with a 99.9% design efficiency 5,000 dscfm Seneca reverse pulse jet baghouse M/N 120-IMT-8 for the control of Particulate Matter (PM).

{Permitting Note: These emission units are regulated under 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants; 40 CFR 60, Subpart A, General Provisions and Reasonably Available Control Technology (RACT) requirements including Specific RACT Emission Limiting Standards for Stationary Emission Units; Maximum Allowable Emission Rates; Circumvention, and Operation and Maintenance Plan and Rule 2.301, JEPB; Rule 2.1101, JEPB and Rule 2.1201, JEPB}

Essential Potential to Emit (PTE) Parameters

C.1 Permitted Capacity. The maximum permitted capacity for these emissions units is as stated below:

EU	Max. Loading Rate (TPH)	Max. Flow Rate (DSCFM)
037	25	9,256
043	45	10,000
060	40	5,020
066	155	12,000
089	30	5,000

[Rules 62-4.160(2), 62-204.800, 62-210.200(PTE), Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

C.2 Emissions Units Operating Rate After Testing. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements.

[Rule 62-297.310(2) F.A.C.]

C.3 Hours of Operation. These emissions units may operate continuously (8760 hours/year).

[Rule 62-210.200(PTE), F.A.C.; Rule 2.301, JEPB]

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging time(s) for **Specific Conditions C.4– C.5** are based on the specified averaging time of the applicable test method.

C.4 Visible Emissions EU 037, EU 043, EU 060, EU 066, EU 089. Visible emissions shall not exceed five (5) % opacity.

[Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, & 2.201, JEPB and 40 CFR 60.672(f) and Table 2 of Subpart OOO]

C.5 Particulate Matter (PM) Emissions.

EU 037 – No. 2 Stucco Storage Bin. PM emissions shall not exceed 0.015 gr/dscf [1.19 pounds per hour (lbs./hr.) and 5.21 tons per year].

EU 043 – No. 3 Raymond Mill. PM emissions shall not exceed 0.015 gr/dscf [1.29 pounds per hour (lbs./hr.) and 5.63 tons per year].

EU 060 – No. 5 Raymond Mill. PM emissions shall not exceed 0.015 gr/dscf [0.65 pounds per hour (lbs./hr.) and 2.83 tons per year].

EU 066 – No. 6 Raymond Mill. Pm emissions shall not exceed 0.015 gr/dscf [1.54 pounds per hour (lbs./hr.) and 6.76 tons per year].

EU 089 – No. 4 Raymond Mill. Pm emissions shall not exceed 0.015 gr/dscf [0.64 pounds per hour (lbs./hr.) and 2.82 tons per year].

[Rule 62-296.711, FAC, and Rule 2.1101, JEPB and Permit No. 0310072-015-AC]

C.6 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.

[40 CFR 60. 670(a) (1) (e) & (f)]

C.7 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.

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

C.8 Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C. & Rule 2.201 JEPB]

C.9 Excess Emissions Prohibited. 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.

[Rule 62-210.700(4), F.A.C. & Rule 2.201 JEPB]

Test Methods and Procedures

{Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

C.10 Test Methods. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-296.711(3), F.A.C.; Rule 2.1101, JEPB, Rule 2.201, JEPB and 40 CFR 675]

C.11 Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C. & Rules 2.1101 & 2.201 JEPB]

C.12 Annual Compliance Tests / Compliance Tests Prior to Renewal. During each calendar year (January 1st to December 31st), (EU 037), (EU 089), (EU 043), (EU 060), (EU066) & (EU 058) shall be tested to demonstrate compliance with the emissions standards for Visible emissions in **Specific Condition C.4**. Except as provided in subparagraph 62-297.310(8)(b)3., F.A.C. (see condition **TR7.b.(3)** in Appendix TR – Facility-wide Testing Requirements), in addition to the annual compliance tests specified by this condition , compliance tests shall also be performed for Visible Emissions to demonstrate compliance with the emissions limit in **Specific Condition C.4** prior to obtaining a renewed operation permit.

[Rule 62-297.310(8)(a)1 & 3, Rule 62-297.310(8)(b)1., Rule 62-297.310(8)(b)2., F.A.C. & Rule 2.1201 JEPB]

C.13 Visible Emissions Test – Required Sampling Time. The required minimum period of observation for visible emissions test shall be 30 minutes except for batch, cyclical processor other operations that are typically completed within less than the minimum operation period, the period of operation shall include each occurrence of the operation during the minimum observation period. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[Rule 62-297.310(5)(b), FAC, and Rule 2.1201, JEPB]

C.14 Particulate Matter Emissions Test (PM). PM testing shall be conducted upon request of the permitting authority. A visible emissions test indicating no visible emissions (5% opacity) may be submitted in lieu of a particulate stack test.

[Rule 62- 296.711(3) (c) , and Rule 2.1201, JEPB]

Recordkeeping and Reporting Requirements

C.15 The Permittee shall maintain records as required by the attached Operation and Maintenance (O&M) Plan. Records shall be maintained for a minimum of 5 years. Records shall be provided upon request of the Permitting Authority.

[Rule 62-213.440(1)(b), F.A.C. Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, JEPB]

C.16 Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection D. Emissions Unit 039 – Nos 5 & 6 Calcining Kettles, EU 057 – No. 7 Calcining Kettle, EU 095 – MBR Calcining Kettle No. 1, EU 096 – MBR Calcining Kettle No. 4 & EU 097 – Nos. 2 & 3 Calcining Kettles

Subsection C. The specific conditions in this section apply to the following emissions units:

EU No.	Brief Description
039	Nos. 5 & 6 Calcining Kettles
057	No. 7 Calcining Kettles
095	MBR Calcining Kettle No. 1
096	MBR Calcining Kettle No. 4
097	Nos. 2 & 3 Calcining Kettles

EU 039 – 19.6 MMbtu/hr (combined) natural gas fired Nos. 5 & 6 Calcining Kettles that supplies indirect applied heat to gypsum to drive off chemically bound water. The 28 tons per hour combined capacity Nos. 5 & 6 Calcining Kettles, (EU 039) is equipped with a single 99.9% design efficiency 10,000 dscfm Seneca Environmental Products Reverse Pulse Jet Baghouse for the control of Particulate Matter (PM).

EU 057 – 30.0 MMbtu/hr natural gas fired No. 7 Calcining Kettle supplies indirect applied heat to gypsum to drive off chemically bound water. The 50 tons per hour capacity No. 7 Calcining Kettle, is equipped with a 99.9% design efficiency 12,000 dscfm Seneca Baghouse M/N 320-TH-8 for the control of Particulate Matter (PM).

EU 095 – 20.0 MMbtu/hr natural gas fired MBR Calcining Kettle No. 1 supplies indirect applied heat to finely ground and dried gypsum (landplaster) to drive off chemically bound water from the landplaster to produce stucco. The 30 tons per hour capacity MBR Calcining Kettle No. 1., is equipped with a 99.9% design efficiency 7,879 dscfm Seneca Environmental Products Reverse Pulse Jet Baghouse, Model No. 272-THS-8. for the control of Particulate Matter (PM).

EU 096 – 20.0 MMbtu/hr natural gas fired MBR Calcining Kettle No. 4 supplies indirect applied heat to finely ground and dried gypsum (landplaster) to drive off chemically bound water from the landplaster to produce stucco. The 30 tons per hour capacity MBR Calcining Kettle No. 4., is equipped with a 99.9% design efficiency 12,596 dscfm Seneca Environmental Products Reverse Pulse Jet Baghouse, Model No. 400-THS-8. for the control of Particulate Matter (PM).

EU 097 - 27.6 MMbtu/hr (combined) natural gas fired Nos. 2 & 3 Calcining Kettles that supplies indirect applied heat to gypsum to drive off chemically bound water. The 29.5 tons per hour combined capacity Nos. 2 & 3 Calcining Kettles (EU 097), is equipped with a 99.9% design efficiency 8,789 dscfm Flex Kleen Baghouse M/N 84-UDS-192 for the control of Particulate Matter (PM).

{Permitting Note: These emission units are regulated under 40 CFR 60, Subpart UUU, Standards of Performance for Calciners and Dryers in Mineral Industries; 40 CFR 60, Subpart A, General Provisions and Reasonably Available Control Technology (RACT) requirements including Specific RACT Emission Limiting Standards for Stationary Emission Units; Maximum Allowable Emission Rates; Circumvention, and Operation and Maintenance Plan and Rule 2.301, JEPB; Rule 2.1101, JEPB and Rule 2.1201, JEPB}

Essential Potential to Emit (PTE) Parameters

D.1 Permitted Capacity. The maximum permitted capacity to these emissions units is as stated below and shall not be exceeded without prior Department approval.

EU	Max. Loading Rate (TPH)	Max. Heat Input (MMbtu/hr.)	Max. Flow Rate (DSCFM)
039	28	19.6	10,000
057	50	30	12,000
095	30	20	7,879
096	30	20	12,596
097	29.5	27.6	8,789

[Rules 62-4.160(2), 62-204.800, 62-210.200(PTE), Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

D.2 Emissions Units Operating Rate After Testing. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements.

[Rule 62-297.310(2) F.A.C.]

D.3 Hours of Operation. These emissions units may operate continuously (8760 hours/year).

[Rule 62-210.200(PTE), F.A.C.; Rule 2.301, JEPB]

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging time(s) for **Specific Conditions D.4– D.5** are based on the specified averaging time of the applicable test method.

D.4 Visible Emissions EU 039, EU 057, EU 095, EU 096, EU 097. Visible emissions shall not exceed five (5) % opacity.

[Rule 62-204.800(8), FAC, Rule 62-296.712 (2), FAC, Rule 2.1101, & 2.201, JEPB and 40 CFR 60.732(b) and Permit No. 0310072-015-AC].

D.5 Particulate Matter (PM) Emissions.

EU 039 – Nos. 5 & 6 Calcining Kettles. PM emissions shall not exceed 0.015 gr/dscf [1.29 pounds per hour (lbs./hr.) and 5.63 tons per year].

EU 057 – No. 7 Calcining Kettle. PM emissions shall not exceed 0.015 gr/dscf [1.54 pounds per hour (lbs./hr.) and 6.76 tons per year].

EU 095 – MBR Calcining Kettle No. 1. PM emissions shall not exceed 0.015 gr/dscf [1.01 pounds per hour (lbs./hr.) and 4.44 tons per year].

EU 096 – MBR Calcining Kettle No. 4. Pm emissions shall not exceed 0.015 gr/dscf [1.62 pounds per hour (lbs./hr.) and 7.09 tons per year].

EU 097 – Nos. 2 & 3 Calcining Kettles. Pm emissions shall not exceed 0.015 gr/dscf [1.13 pounds per hour (lbs./hr.) and 4.95 tons per year].

[Rule 62-296.712 (2), FAC, and Rule 2.1101, JEPB, 40 CFR 60.732(a) and Permit No. 0310072-015-AC]

D.6 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.

[40 CFR 60.730 (a)]

D.7 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

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

D.8 Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C. & Rule 2.201 JEPB]

D.9 Excess Emissions Prohibited. 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.

[Rule 62-210.700(4), F.A.C. & Rule 2.201 JEPB]

Test Methods and Procedures

{Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

D.10 Test Methods. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-296.712(3), F.A.C.; Rule 2.1101, JEPB, Rule 2.201, JEPB and 40 CFR 736]

D.11 Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C. & Rules 2.1101 & 2.201 JEPB]

D.12 Annual Compliance Tests / Compliance Tests Prior to Renewal. During each calendar year (January 1st to December 31st), (EU 039), (EU 095), (EU 096), & (EU 097), (EU 057) shall be tested to demonstrate compliance with the emissions standards for Visible emissions in **Specific Condition D.4C.4**. Except as provided in subparagraph 62-297.310(8)(b)3., F.A.C. (see condition **TR7.b.(3)** in Appendix TR – Facility-wide Testing Requirements), in addition to the annual compliance tests specified by this condition , compliance tests shall also be performed for Visible Emissions to demonstrate compliance with the emissions limit in **Specific Condition D.4** prior to obtaining a renewed operation permit.

[Rule 62-297.310(8)(a)1 & 3, F.A.C., Rule 62-297.310(8)(b)1., F.A.C., Rule 62-297.310(8)(b)2., F.A.C. & Rule 2.1201 JEPB]

D.13 Visible Emissions Test – Required Sampling Time. The required minimum period of observation for visible emissions test shall be 30 minutes except for batch, cyclical processor other operations that are typically completed within less than the minimum operation period, the period of operation shall include each occurrence of the operation during the minimum observation period. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[Rule 62-297.310(5)(b), FAC, and Rule 2.1201, JEPB]

D.14 Particulate Matter Emissions Test (PM). PM testing shall be conducted upon request of the permitting authority. The sampling time and volume for each test run shall be at least 2 hours and 1.70 dscm. A visible emissions test indicating no visible emissions (5% opacity) may be submitted in lieu of a particulate stack test.

[Rule 62- 296.712(3) (c), and Rule 2.1201, JEPB and 40 CFR 60.736]

Recordkeeping and Reporting Requirements

D.15 The Permittee shall maintain records as required by the attached Operation and Maintenance (O&M) Plan. Records shall be maintained for a minimum of 5 years. Records shall be provided upon request of the Permitting Authority.

[Rule 62-213.440(1)(b), F.A.C. Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, JEPB]

D.16 Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements

Compliance Assurance Monitoring

D.17 Compliance Assurance Monitoring (CAM) EU 039, EU 057, EU 096. 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 Rule 62-4.070 F.A.C, 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 and Permit No. 0310072-015-AC]

Subsection E. Emissions Unit 042 – No. 2 Board Plant End Saws, EU 063 – No. 3 Board Plant End Saws, EU 077 – No.1 Board Plant End Saws & EU 088 – Dunnage Machine Sawing Operation

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
042	No. 2 Board Plant End Saws. Gypsum Board is cut to size with saws.
063	No. 3 Board Plant End Saws. Gypsum Board is cut to size with saws.
077	No. 1 Board Plant End Saws. Gypsum Board is cut to size with saws.
088	Dunnage Machine Sawing Operation

EU 042 - 38,000 square board feet per hour No. 2 Board Plant End Saws for the cutting of gypsum board. Particulate Matter (PM) from board cutting is controlled by a 5,000 dry standard cubic feet per minute (dscfm) Flex Kleen M/N 84-UDC-128A reverse pulse jet baghouse.

EU 063 - 110,000 square board feet per hour No. 3 Board Plant End Saws for the cutting of gypsum board. Particulate Matter (PM) from board cutting is controlled by a 9,090 dry standard cubic feet per minute (dscfm) Seneca Environmental Products 256-IMTHS-8 reverse pulse jet baghouse.

EU 077 - 27,000 square board feet per hour No. 1 Board Plant End Saws for the cutting of gypsum board. Particulate Matter (PM) from board cutting is controlled by a 7,000 dry standard cubic feet per minute (dscfm) Fuller baghouse (B-5).

EU 088 - 15,000 square board feet per hour Dunnage Machine Sawing Operation for the cutting of waste gypsum wallboard for recycling at the rock mill. Particulate Matter (PM) from board cutting is controlled by a 6,800 dry standard cubic feet per minute (dscfm) Seneca Environmental Products 176-TH-8 reverse pulse jet baghouse.

{Permitting Note: This emission unit is regulated by Reasonably Available Control Technology (RACT) requirements including Specific RACT Emission Limiting Standards for Stationary Emission Units; Maximum Allowable Emission Rates; Circumvention, and Operation and Maintenance Plan and Rule 2.301, JEPB; Rule 2.1101, JEPB and Rule 2.1201, JEPB}

Essential Potential to Emit (PTE) Parameters

E.1 Permitted Capacity: The maximum permitted capacity to these emissions units is as stated below:

EU	Max. Loading Rate (Bft^2/Hr)	Max. Flow Rate (DSCFM)
042	38,000	5,000
063	110,000	9,090
077	27,000	7,000

088	15,000	6,800

[Rules 62-4.160(2), 62-204.800, 62-210.200(PTE), 62-296.700(4), FAC, and Rule 2.1101, JEPB]

E.2 Emissions Unit Operating Rate Limitation After Testing. See the related testing provisions in Appendix TR, Facility-Wide Testing Requirements.

[Rule 62-297.310(2), F.A.C.]

E.3 Hours of Operation. This emissions unit may operate continuously (8,760 hours/year).

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

{Permitting note: The attached Table 1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for **Specific Conditions E.4. – E.5.** are based on the specified averaging time of the applicable test method.

E.4 Visible Emissions EU 042, EU 063, EU 077 & EU 088. Visible emissions shall not exceed five (5) % opacity.

[Rule 62-204.800(8), 62-296.711(3)(c), FAC, Rule 2.1401, & 2.201, JEPB]

E.5 Particulate Matter Emissions (PM).

EU 042 – No. 2 Board Plant End Saws. PM emissions shall not exceed 0.015 gr/dscf [0.64 pounds per hour (lbs./hr.) and 2.82 tons per year].

EU 063 – No. 2 Board Plant End Saws. PM emissions shall not exceed 0.015 gr/dscf [1.17 pounds per hour (lbs./hr.) and 5.12 tons per year].

EU 077 – No. 1 Board Plant End Saws. PM emissions shall not exceed 0.015 gr/dscf [0.90 pounds per hour (lbs./hr.) and 3.94 tons per year].

EU 088 – Dunnage Machine Sawing Operation. Pm emissions shall not exceed 0.015 gr/dscf [0.87 pounds per hour (lbs./hr.) and 3.83 tons per year].

[Rule 62-296.712 (2), FAC, and Rule 2.1101, JEPB, 40 CFR 60.732 and Permit No. 0310072-015-AC]

E.6 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.

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

E.7 Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C. & Rule 2.201 JEPB]

E.8 Excess Emissions Prohibited. 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.

[Rule 62-210.700(4), F.A.C. & Rule 2.201 JEPB]

Test Methods and Procedures

{Permitting note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

E.9 Test Methods. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-296.712, F.A.C.; and Rule 2.1101, 2.201, JEPB]

E.10 Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C. & Rules 2.1101 & 2.201 JEPB]

E.11 Annual Compliance Tests / Compliance Tests Prior to Renewal. During each calendar year (January 1st to December 31st), (EU 042) (EU063), (EU 077), and (EU 088) shall be tested to demonstrate compliance

with the emissions standards for Visible emissions in **Specific Condition E.4**. Except as provided in subparagraph 62-297.310(8)(b)3., F.A.C. (see condition **TR7.b.(3)** in Appendix TR – Facility-wide Testing Requirements), in addition to the annual compliance tests specified by this condition , compliance tests shall also be performed for Visible Emissions to demonstrate compliance with the emissions limit in **Specific Condition E.4** prior to obtaining a renewed operation permit.

[Rule 62-297.310(8)(a)1&3., FAC, and Rule 2.1201, JEPB]

E.12 Visible Emissions Test – Required Sampling Time. The required minimum period of observation for visible emissions test shall be 30 minutes except for batch, cyclical processor other operations that are typically completed within less than the minimum operation period, the period of operation shall include each occurrence of the operation during the minimum observation period. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[Rule 62-297.310(5)(b), FAC, and Rule 2.1201, JEPB]

E.13 Particulate Matter Emissions Test (PM). PM testing shall be conducted upon request of the permitting authority. A visible emissions test indicating no visible emissions (5% opacity) may be submitted in lieu of a particulate stack test.

[Rule 62- 296.712(3) (c), and Rule 2.1201, JEPB]

Recordkeeping and Reporting Requirements

E.14 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 62-213.440(1)(b), FAC, Rule 62-296.700(6), FAC, Rule 2.1401, 2.501, and 2.1101, JEPB]

E.15 Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
048	Rotary Rock Dryer. Rotary dryer fired by natural gas to dry raw gypsum rock.

50 MMbtu/hr natural gas fired rotary rock dryer for the drying of raw gypsum rock. The estimated 200 tons per hour dryer is equipped with two (2) 99.9% design efficiency Seneca Environmental Products reverse pulse jet baghouses M/Ns 672-THS-10 and 848-THS-10 with a total combined flow rate of 60,536 dscfm for the control of Particulate Matter (PM).

{Permitting Note: This emission unit is regulated under 40 CFR 60, Subpart UUU, Standards of Performance for Calciners and Dryers in Mineral Industries; 40 CFR 60, Subpart A, General Provisions and Reasonably Available Control Technology (RACT) requirements including Specific RACT Emission Limiting Standards for Stationary Emission Units; Maximum Allowable Emission Rates; Circumvention, and Operation and Maintenance Plan and Rule 2.301, JEPB; Rule 2.1101, JEPB and Rule 2.1201, JEPB}

Essential Potential to Emit (PTE) Parameters

F.1 Permitted Capacity. The estimated maximum process rate to the rock dryer is 200 TPH gypsum rock.

[Rules 62-4.160(2), 62-204.800, 62-210.200(PTE), Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB and Permit No.0310072-015-AC]

F.2 Permitted Capacity- Heat Input. The maximum heat input rate of this emissions unit is 50 MMbtu/hr. of natural gas.

[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB and Permit No.0310072-015-AC]

F.3 Emissions Unit Operating Rate After Testing. See the related testing provisions in Appendix TR, Facility - wide Testing Requirements.

[Rule 62-297.310(2) F.A.C.]

F.4 Method of Operation – Control Device. The estimated maximum airflow rate is 60,536 dry standard cubic feet per minute (dscfm).

[Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB and Permit No.0310072-015-AC]

F.5 Hours of Operation. This emissions unit may operate continuously, (8,760 hours/year).

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

{Permitting note: The attached Table 1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for **Specific Conditions F.6. – F.7.** are based on the specified averaging time of the applicable test method.

F.6 Visible Emissions. Visible emissions shall not exceed five (5) % opacity.

[Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, JEPB, and Rule 2.201, JEPB and40 CFR 60.732(b) and Permit No.0310072-015-AC]

F.7 Particulate Matter Emissions. PM emissions shall be limited to 0.015 gr/dscf [7.78 pounds per hour (lbs/hr) and 34.09 tons per year].

[Rule 62-204.800(8), 62-296.712, FAC, Rule 2.1101, 2.201, JEPB, 40 CFR 60.732(a), and Permit No.0310072-015-AC]

F.8 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.

[40 CFR 60.730(a)]

F.9 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.

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

F.10 Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C. & Rule 2.201 JEPB]

F.11 Excess Emissions Prohibited. 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.

[Rule 62-210.700(4), F.A.C. & Rule 2.201 JEPB]

Test Methods and Procedures

{Permitting note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

F.12 Test Methods. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-296.712(3), F.A.C.; Rule 2.1101, JEPB, Rule 2.201, JEPB and 40 CFR 736(b)]

F.13 Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C. & Rules 2.1101 & 2.201 JEPB]

F.14 Annual Compliance Tests / Compliance Tests Prior to Renewal. During each calendar year (January 1st to December 31st), this EU shall be tested to demonstrate compliance with the emissions standards for Visible emissions in **Specific Condition F.6** Except as provided in subparagraph 62-297.310(8)(b)3., F.A.C. (see condition **TR7.b.(3)** in Appendix TR – Facility-wide Testing Requirements), in addition to the annual compliance tests specified by this condition , compliance tests shall also be performed for Visible Emissions to demonstrate compliance with the emissions limit in **Specific Condition F.6.** prior to obtaining a renewed operation permit.

[Rule 62-297.310(8)(a)1 & 3, F.A.C., Rule 62-297.310(8)(b)1., F.A.C., Rule 62-297.310(8)(b)2., F.A.C. & Rule 2.1201 JEPB]

F.15 Particulate Matter Emissions Test (PM). PM testing shall be conducted upon request of the permitting authority. A visible emissions test indicating no visible emissions (5% opacity) may be submitted in lieu of a particulate stack test where the emissions unit is equipped with a baghouse.

[Rule 62- 296.712(3) (b)& (c), and Rule 2.1201, JEPB]

Recordkeeping and Reporting Requirements

F.16 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 62-213.440(1)(b)2.b., FAC, Rule 62-296.700(6), FAC, Rule 2.1401, 2.501, 2.1101, JEPB]

F.17 Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Compliance Assurance Monitoring

F.18 Compliance Assurance Monitoring (CAM) EU 048. 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 62-4.070 F.A.C, 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]

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
054	Waste Board Reclaim System. Reclamation of waste wallboard

16 tons per hour waste board reclamation system equipped with a 1,710 dry standard cubic feet per minute (dscfm) Seneca Environmental Products reverse pulse jet baghouses M/N 61-MBV-6 for the control of Particulate Matter (PM).

{Permitting Note: These emission units are regulated under 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants; 40 CFR 60, Subpart A, General Provisions and Reasonably Available Control Technology (RACT) requirements including Specific RACT Emission Limiting Standards for Stationary Emission Units; Maximum Allowable Emission Rates; Circumvention, and Operation and Maintenance Plan and Rule 2.301, JEPB; Rule 2.1101, JEPB and Rule 2.1201, JEPB}

Essential Potential to Emit (PTE) Parameters

G.1 Permitted Capacity. The maximum loading rate to the packers is 16 TPH.

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

G.2 Emissions Units Operating Rate After Testing. See the related testing provisions in Appendix TR, Facility - wide Testing Requirements.

[Rule 62-297.310(2) F.A.C.]

G.3 Method of Operation – Control Device. The estimated maximum airflow rate is 1,710 dry standard cubic feet per minute (dscfm).

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

G.4 Hours of Operation. This emissions unit may operate continuously, (8,760 hours/year).

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

{Permitting note: The attached Table 1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for **Specific Conditions G.5. – G.6.** are based on the specified averaging time of the applicable test method.

G.5 Visible Emissions. Visible emissions shall not exceed five (5) % opacity.

[Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, & 2.201, JEPB and 40 CFR 60.672 (f) and Table 2 of Subpart OOO]

G.6 Particulate Matter Emissions. PM emissions shall be limited to 0.015 gr/dscf [0.22 pounds per hour (lbs/hr) and 0.96 tons per year].

[Rule 62-204.800(8), FAC, and Rule 2.201, JEPB and 40 CFR 60.672]

G.7 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.

[40 CFR 60.670(a) (1), (e) (f)]

G.8 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.

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

G.9 Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C. & Rule 2.201 JEPB]

G.10 Excess Emissions Prohibited. 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.

[Rule 62-210.700(4), F.A.C& Rule 2.201 JEPB.]

Test Methods and Procedures

{Permitting note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

G.11 Test Methods. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-296.711(3), F.A.C.; Rule 2.1101, JEPB, Rule 2.201, JEPB and 40 CFR 675]

G.12 Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C. & Rules 2.1101 & 2.201 JEPB]

G.13 Annual Compliance Tests / Compliance Tests Prior to Renewal. During each calendar year (January 1st to December 31st), this EU shall be tested to demonstrate compliance with the emissions standards for Visible emissions in **Specific Condition G.5** Except as provided in subparagraph 62-297.310(8)(b)3., F.A.C. (see condition **TR7.b.(3)** in Appendix TR – Facility-wide Testing Requirements), in addition to the annual compliance tests specified by this condition , compliance tests shall also be performed for Visible Emissions to demonstrate compliance with the emissions limit in **Specific Condition G.5** prior to obtaining a renewed operation permit.

[Rule 62-297.310(8)(a)1 & 3, F.A.C., Rule 62-297.310(8)(b)1., F.A.C., Rule 62-297.310(8)(b)2., F.A.C. & Rule 2.1201 JEPB]

G.14 Visible Emissions Test – Required Sampling Time. The required minimum period of observation for visible emissions test shall be 30 minutes except for batch, cyclical processor other operations that are typically completed within less than the minimum operation period, the period of operation shall include each occurrence of the operation during the minimum observation period. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[Rule 62-297.310(5)(b), FAC, and Rule 2.1201, JEPB]

G.15 Particulate Matter Emissions Test (PM). PM testing shall be conducted upon request of the permitting authority. A visible emissions test indicating no visible emissions (5% opacity) may be submitted in lieu of a particulate stack test.

[Rule 62- 296.711(3) (c), and Rule 2.1201, JEPB]

Recordkeeping and Reporting Requirements

G.16 The Permittee shall maintain records as required by the attached Operation and Maintenance (O&M) Plan. Records shall be maintained for a minimum of 5 years. Records shall be provided upon request of the Permitting Authority.

[Rule 62-213.440(1)(b), F.A.C. Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, JEPB]

G.17 Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection H. Emissions Unit 061 – No. 3 Board Plant Stucco Elevator, Screen, and Additive Screws, EU 062- No. 3 Board Plant Starch Stucco Storage Bin, EU 064- No. 3 Board Plant Starch Stucco Feed Bin EU 065- No. 3 Board Plant Starch Vermiculite/Starch Storage Bin &

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
061	No. 3 Board Plant Stucco Elevator, Screen, and Additive Screws
062	No. 3 Board Plant Starch Stucco Storage Bins
064	No. 3 Board Plant Stucco Feed Bin
065	No. 3 Board Plant Vermiculite/Starch Storage Bin

EU 061- No. 3 Board Plant Stucco Elevator, Screen, and Additive Screws, is a 145 tons per hour stucco material handling unit equipped with a 4,997 dry standard cubic feet per minute (dscfm) baghouse BG-1 for the control of Particulate Matter (PM).

EU 062- No. 3 Board Plant Starch Stucco Storage Bin., is a 25 tons per hour stucco material storage bin equipped with a 325 dry standard cubic feet per minute (dscfm) SENECA Baghouse, Model 24-FMBV-100 (Special)for the control of Particulate Matter (PM).

EU 064- No. 3 Board Plant Starch Stucco Feed Bin., is a 145 tons per hour stucco material feed bin equipped with a 4,171 dry standard cubic feet per minute (dscfm) baghouse BG-7 for the control of Particulate Matter (PM).

EU 065- No. 3 Board Plant Vermiculite/Starch Storage Bin., is a 25 tons per hour stucco material feed bin equipped with a 325 dry standard cubic feet per minute (dscfm) baghouse BG-9 for the control of Particulate Matter (PM).

{Permitting Note: These emission units are regulated under 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants; 40 CFR 60, Subpart A, General Provisions and Reasonably Available Control Technology (RACT) requirements including Specific RACT Emission Limiting Standards for Stationary Emission Units; Maximum Allowable Emission Rates; Circumvention, and Operation and Maintenance Plan and Rule 2.301, JEPB; Rule 2.1101, JEPB and Rule 2.1201, JEPB}

Essential Potential to Emit (PTE) Parameters

H.1 Permitted Capacity. The maximum permitted capacity to these emissions units is as stated below and shall not be exceeded without prior Department approval.

EU	Max. Loading Rate (TPH)	Max. Flow Rate (DSCFM)
061	145	4997
062	25	325
064	145	4,171

065	25	325

[Rules 62-4.160(2), 62-204.800, 62-210.200(PTE), Rule 62-296.700(4), FAC, Rule 2.1101, JEPB and Permit No. 0310072-010-AC]

H.2 Emissions Units Operating Rate After Testing. See the related testing provisions in Appendix TR, Facility - wide Testing Requirements.

[Rule 62-297.310(2) F.A.C.]

H.3 Hours of Operation. This emissions unit may operate continuously, (8,760 hours/year).

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging time(s) for **Specific Conditions H.4 – H.5** are based on the specified averaging time of the applicable test method.

H.4 Visible Emissions EU 061, EU 062, EU 064, EU 065. Visible emissions shall not exceed five (5) % opacity.

[Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, & 2.201, JEPB and 40 CFR 60.672 (f) and Table 2 of Subpart OOO]

H.5 Particulate Matter (PM) Emissions.

EU 061 – No. 3 Board Plant Stucco Elevator, Screen, and Additive Screws. PM emissions shall not exceed 0.015 gr/dscf [0.64 pounds per hour (lbs./hr.) and 2.81 tons per year].

EU 062 – No. 3 Board Plant Starch Stucco Storage Bin. PM emissions shall not exceed 0.015 gr/dscf [0.15 pounds per hour (lbs./hr.) and 0.68 tons per year].

EU 064 – No. 3 Board Plant Starch Stucco Feed Bin. PM emissions shall not exceed 0.015 gr/dscf [0.54 pounds per hour (lbs./hr.) and 2.35 tons per year].

EU 065 – No. 3 Board Plant Vermiculite/Starch Storage Bin. PM emissions shall not exceed 0.015 gr/dscf [0.04 pounds per hour (lbs./hr.) and 0.18 tons per year].

[Rule 62-296.711, FAC, and Rule 2.1101, JEPB, 40 CFR 60.732 and Permit No. 0310072-015-AC]

H.6 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.

[40 CFR 60.670(a) (1),(e) (f)]

H.7 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.

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

H.8 Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C. & Rule 2.201 JEPB]

H.9 Excess Emissions Prohibited. 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.

[Rule 62-210.700(4), F.A.C. & Rule 2.201 JEPB]

Test Methods and Procedures

{Permitting note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

H.10 Test Methods. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-296.711(3), F.A.C.; Rule 2.1101, JEPB, Rule 2.201, JEPB and 40 CFR 675]

H.11 Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C. & Rules 2.1101 & 2.201 JEPB]

H.12 Annual Compliance Tests / Compliance Tests Prior to Renewal. During each calendar year (January 1st to December 31st), each EU (EU 061, EU 062, EU 064 and EU 065) shall be tested to demonstrate compliance with the emissions standards for Visible emissions in **Specific Condition H.4** Except as provided in subparagraph 62-297.310(8)(b)3., F.A.C. (see condition **TR7.b.(3)** in Appendix TR – Facility-wide Testing Requirements), in addition to the annual compliance tests specified by this condition , compliance tests shall also be performed for Visible Emissions to demonstrate compliance with the emissions limit in **Specific Condition H.4** prior to obtaining a renewed operation permit.

[Rule 62-297.310(8)(a)1 & 3, F.A.C., Rule 62-297.310(8)(b)1., F.A.C., Rule 62-297.310(8)(b)2., F.A.C. & Rule 2.1201 JEPB]

H.13 Visible Emissions Test – Required Sampling Time. The required minimum period of observation for visible emissions test shall be 30 minutes except for batch, cyclical processor other operations that are typically completed within less than the minimum operation period, the period of operation shall include each occurrence of the operation during the minimum observation period. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[Rule 62-297.310(5)(b), FAC, and Rule 2.1201, JEPB]

H.14 Particulate Matter Emissions Test (PM). PM testing shall be conducted upon request of the permitting authority. A visible emissions test indicating no visible emissions (5% opacity) may be submitted in lieu of a particulate stack test.

[Rule 62- 296.711(3) (c), and Rule 2.1201, JEPB]

Recordkeeping and Reporting Requirements

H.15 The Permittee shall maintain records as required by the attached Operation and Maintenance (O&M) Plan. Records shall be maintained for a minimum of 5 years. Records shall be provided upon request of the Permitting Authority.

[Rule 62-213.440(1)(b), F.A.C. Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, JEPB]

H.16 Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements

Subsection I. Emissions Unit 090 – No. 3 Board Plant Ball Mill

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
090	No. 3 Board Plant Ball Mill

No. 3 Board Plant Ball Mill, is a 2 tons per hour ball mill for the crushing of gypsum ore. The ball mill is equipped with a 363 dry standard cubic feet per minute (dscfm) baghouse for the control of Particulate Matter (PM).

{Permitting Note: These emission units are regulated under 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants; 40 CFR 60, Subpart A, General Provisions and Reasonably Available Control Technology (RACT) requirements including Specific RACT Emission Limiting Standards for Stationary Emission Units; Maximum Allowable Emission Rates; Circumvention, and Operation and Maintenance Plan and Rule 2.301, JEPB; Rule 2.1101, JEPB and Rule 2.1201, JEPB}

Essential Potential to Emit (PTE) Parameters

I.1 Permitted Capacity. The maximum permitted capacity to this emissions units is 2 TPH

[Rules 62-4.160(2), 62-204.800, 62-210.200(PTE), Rule 62-296.700(4), FAC, and Rule 2.1101, JEPB]

I.2 Emissions Units Operating Rate After Testing. See the related testing provisions in Appendix TR, Facility - wide Testing Requirements.

[Rule 62-297.310(2) F.A.C.]

I.3 Method of Operation – Control Device. The maximum airflow rate is 363 dry standard cubic feet per minute (dscfm).

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

I.4 Hours of Operation. This emissions unit may operate continuously, (8,760 hours/year).

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging time(s) for **Specific Conditions I.5– I.6** are based on the specified averaging time of the applicable test method.

I.5 Visible Emissions. Visible emissions shall not exceed five (5) % opacity.

[Rule 62-204.800(8), FAC, Rule 62-296.712, FAC, Rule 2.1101, & 2.201, JEPB and 40 CFR 60.672 (f) and Table 2 of Subpart OOO]

I.6 Particulate Matter (PM) Emissions. PM emissions shall not exceed0.015 gr/dscf [0.05 pounds per hour (lbs/hr) and 0.20 tons per year].

[Rule 62-296.712, FAC, and Rule 2.1101, JEPB, 40 CFR 60.672 and Permit No. 0310072-015-AC]

I.7 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.

[40 CFR 60. 670(a)(1)&(f)]

I.8 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.

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

I.9 Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C. & Rule 2.201 JEPB]

I.10 Excess Emissions Prohibited. 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.

[Rule 62-210.700(4), F.A.C. & Rule 2.201 JEPB]

Test Methods and Procedures

{Permitting note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

I.11 Test Methods. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-296.711(3), F.A.C.; Rule 2.1101, JEPB, Rule 2.201, JEPB and 40 CFR 675]

I.12 Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C. & Rules 2.1101 & 2.201 JEPB]

I.13 Annual Compliance Tests / Compliance Tests Prior to Renewal. During each calendar year (January 1st to December 31st), this EU shall be tested to demonstrate compliance with the emissions standards for Visible emissions in **Specific Condition I.5** Except as provided in subparagraph 62-297.310(8)(b)3., F.A.C. (see condition **TR7.b.(3)** in Appendix TR – Facility-wide Testing Requirements), in addition to the annual compliance tests specified by this condition , compliance tests shall also be performed for Visible Emissions to demonstrate compliance with the emissions limit in **Specific Condition I.5** prior to obtaining a renewed operation permit.

[Rule 62-297.310(8)(a)1 & 3, F.A.C., Rule 62-297.310(8)(b)1., F.A.C., Rule 62-297.310(8)(b)2., F.A.C. & Rule 2.1201 JEPB]

I.14 Visible Emissions Test – Required Sampling Time. The required minimum period of observation for visible emissions test shall be 30 minutes except for batch, cyclical processor other operations that are typically completed within less than the minimum operation period, the period of operation shall include each occurrence of the operation during the minimum observation period. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[Rule 62-297.310(5)(b), FAC, and Rule 2.1201, JEPB]

I.15 Particulate Matter Emissions Test (PM). PM testing shall be conducted upon request of the permitting authority. A visible emissions test indicating no visible emissions (5% opacity) may be submitted in lieu of a particulate stack test.

[Rule 62- 296.711(3) (c), and Rule 2.1201, JEPB]

Recordkeeping and Reporting Requirements

I.16 The Permittee shall maintain records as required by the attached Operation and Maintenance (O&M) Plan. Records shall be maintained for a minimum of 5 years. Records shall be provided upon request of the Permitting Authority.

[Rule 62-213.440(1)(b), F.A.C. Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, JEPB]

I.17 Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection J. Emissions Unit 092 – Kettle Burners

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
092	Kettle Burners. Burners for the production of heat for the calcining kettles.

Essential Potential to Emit (PTE) Parameters

J.1 Hours of Operation. This emissions unit shall be allowed to operate continuously, i.e., 8,760 hours/year per each kettle burner.

[Rule 62-4.070(3), FAC, Rule 62-210.200(PTE), F.A.C., and Rule 2.1401, JEPB]

J.2 Method of Operation – Authorized Fuel: This emissions unit is authorized to combust natural gas **only**.

[Rule 62-4.070, FAC, and Rule 2.1401, JEPB, Permit No. 0310072-026-AC]

J.3 Method of Operation – Burner Heat Input. 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	20 MMBtu/hr
MBR Kettle Burner No. 4	20 MMBtu/hr

[Rule 62-210.300(PTE), F.A.C., Rule 62-296.700(4), F.A.C., and Rule 2.1101, JEPB; Construction Permit No. 0310072-022-AC]

Emission Limitations and Standards

{Permitting note: The attached Table 1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for Specific Condition **J.4. is** based on the specified averaging time of the applicable test method.

J.4 Particulate Matter, Sulfur Dioxide, Nitrous Oxides- Test Method. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5, 6, and 7 (as described in 40 CFR 60, Appendix A) for the determination of the PM, SO2, and NOx emission rates.

[Rule 62-212.400(12), FAC, Rule 2.401, JEPB, and Rule 2.1401, JEPB and Permit No. AC 16-100644]

J.5 Particulate Matter, Sulfur Dioxide, Nitrous Oxides - Test Frequency. PM, SO2, and NOx testing for this EU shall be conducted upon request of the Permitting Authority.

[Rule 2.1201, JEBP and Permit No. AC 16-100644]

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
093	Synthetic Gypsum Feed System.

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

{Permitting Note: This emissions unit is regulated under 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants; 40 CFR 60, Subpart A, General Provisions and Rule 2.301, JEPB; Rule 2.1101, JEPB and Rule 2.1201, JEPB}

Essential Potential to Emit (PTE) Parameters

K.1 Permitted Capacity. The maximum process rate through the synthetic gypsum feed system is 100TPH of synthetic gypsum.

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

K.2 Hours of Operation. This emissions unit may operate continuously, (8,760 hours/year).

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

K.3 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants and 40 CFR 60, Subpart A, General Provisions (as specified in Table 1 of 40 CFR 60, Subpart OOO), shall apply to this emission unit.

[Rule 62-204.800(8), F.A.C and 40 CFR 60.670(a) (1),(e) 7 (f)]

Emission Limitations and Standards

{Permitting note: The attached Table 1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for **Specific Condition K.4.** is based on the specified averaging time of the applicable test method.

K.4 Visible Emissions. Visible Emissions (VE) from the Synthetic Gypsum Feed System shall be limited to 10% opacity.

[Rule 62-204.800(8), FAC and Rule 2.201, JEPB and40 CFR 60.672(b) & Table 3 to Subpart OOO]

K.5 Truck Dumping -Visible Emissions. Truck dumping of nonmetallic minerals into any screening operation feed hopper, or crusher is exempt from the opacity limitation specified in **Specific Condition K.4**

[40 CFR 60.672 (d), and Rule 62-204.800(8), F.A.C.]

K.6 Test Requirements: The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.

[Rule 62-297.310(9), F.A.C.]

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

K.7 Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C. & Rule 2.201 JEPB]

K.8 Excess Emissions Prohibited. 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.

[Rule 62-210.700(4), F.A.C. & Rule 2.201 JEPB]

Test Methods and Procedures

{Permitting note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

K.9 Test Method: Required tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rules 62-204.800, F.A.C.; 40 CFR 60.675(b)(2), 675(c)(1, 2, & 3) and Appendix A of 40 CFR 60]

K.10 Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C. & Rules 2.1101 & 2.201 JEPB.]

K.11 VE testing shall be conducted annually i.e. no less frequently than once every calendar year (January 1 – December 31). VE testing shall be conducted for a minimum period of 30 minutes.

[Rule 62-296.320(4) (b), Rule 62-297.310(8)(a)1 & 3 F.A. C., Rule 2.1201, JEPB, 40 CFR 60.672(b) 40 CFR 60, Subpart OOO Table 3 and]

K.12 EPA Method 9- Required Sampling Time. The required minimum period of observation for each compliance test shall be thirty (30) minutes (five 6-minute averages). The opacity test observation shall include each occurrence of the operation during the minimum observation period. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages.

[Rule 62-297.310(5)(b), F.A.C., 40 CFR 60.675(c)(3)]

K.13 Compliance Test Report Submittal. The owner or operator shall submit the results (each 6-minute average) of the opacity test reports as electronic or paper copy on or before the applicable permit renewal application submittal date.

[40 CFR 60, Subpart OOO, Table 3 and Rule 62-297.310(8), F.A.C.]

K.14 Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection L. Emissions Unit 094 – Gypsum Rock Unloading, Conveying, and Storage System

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
094	Gypsum Rock Unloading, Conveying, and Storage System

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.

{Permitting Note: This emissions unit is regulated under 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants; 40 CFR 60, Subpart A, General Provisions and Rule 2.301, JEPB; Rule 2.1101, JEPB and Rule 2.1201, JEPB}

Essential Potential to Emit (PTE) Parameters

L.1 Permitted Capacity. The maximum process rate 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]

L.2 Hours of Operation. This emissions unit may operate continuously (8,760 hours/year).

[Rule 62-210.300(2)(a), FAC, and Rule 2.301, JEPB]

L.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.

[Rule 62-204.800(8), F.A.C and 40 CFR 60.670 (a)(1) (e) & (f)]

Emission Limitations and Standards

{Permitting note: The attached Table 1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times **for Specific Conditions L.4. –L.5.** are based on the specified averaging time of the applicable test method.

L.4 Visible Emission- Nos.1 & 2 Hoppers Transfer Points on Conveyors C-1 & C-2. 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.

[Rule 62-204.800(8), FAC and Rule 2.201, JEPB 40 CFR 60.672(b), Table 3 to Subpart OOO and Permit No. 0310072-015-AC]

L.5 Visible Emissions- Rock Storage Shed. Visible fugitive emissions from the rock storage shed are not allowed.

[Rule 62-204.800(8), F.A.C. Rule 62-204.800(8), FAC and Rule 2.201, JEPB, 40 CFR 60.672 (e), and Permit No. 0310072-015-AC]

L.6 Truck Dumping -Visible Emissions. Truck dumping of nonmetallic minerals into any screening operation feed hopper, or crusher is exempt from the opacity limitation specified in **Specific Condition L.4**

[40 CFR 60.672 (d), and Rule 62-204.800(8), F.A.C.]

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

L.7 Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C.] & Rule 2.201 JEPB

L.8 Excess Emissions Prohibited. 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.

[Rule 62-210.700(4), F.A.C. & Rule 2.201 JEPB]

Test Methods and Procedures

{Permitting note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

L.9 Test Method: Required tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rules 62-204.800, F.A.C.; 40 CFR 60.675(b)(2), 675(c)(1, 2, & 3) and Appendix A of 40 CFR 60]

L.10 Visible Emissions- Rock Shed- Test Method. 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 and Permit No. 0310072-015-AC]

L.11 Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C. & Rules 2.1101 & 2.201 JEPB]

L.12 Annual Compliance Test Nos.1 & 2 Hoppers, Transfer Points on Conveyors C-1 & C-2.. During each calendar year (January 1st to December 31st), this EU shall be tested to demonstrate compliance with the emissions standards for Visible emissions in **Specific Condition I.5** from (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 62-296.320(4) (b), F.A.C. 40 CFR 60.672(b) 40 CFR 60, Rule 2.1201 JEPB, Table 3 to Subpart OOO and Permit 0310072-015-AC]

L.13 Annual Compliance Test Rock Shed During each calendar year (January 1st to December 31st VE testing shall be conducted annually to demonstrate compliance as stated in Specific Condition L. 5 . 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]

L.14 EPA Method 9- Required Sampling Time. The required minimum period of observation for each compliance test shall be thirty (30) minutes (five 6-minute averages). The opacity test observation shall include each occurrence of the operation during the minimum observation period. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages.

[Rule 62-297.310(5)(b), F.A.C., 40 CFR 60.675(c)(3)]

L.15 Compliance Test Report Submittal. The owner or operator shall submit the results (each 6-minute average) of the opacity test reports as electronic or paper copy on or before the applicable permit renewal application submittal date.

[40 CFR 60, Subpart OOO, Table 3 and Rule 62-297.310(8), F.A.C.]

L.16 Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

Subsection M. Emissions Unit 101- 102– Joint Treatment No. 1& No. 2 Carbonate Silos, EU 103 – 105 Joint Treatment Mica, Clay & Talc/Perlite Storage Silos

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
101	Joint Treatment No. 1 Carbonate silo
102	Joint Treatment No. 2 Carbonate silo
103	Joint Treatment Mica Storage Silo
104	Joint Treatment Clay Storage Silo
105	Joint Treatment Talc/Perlite Storage Silo

EU 101- Joint Treatment No. 1 Carbonate silo, is a 40 tons per hour silo for the storage of carbonate material equipped with a 1,050 dry standard cubic feet per minute (dscfm) baghouse (bin vent) dust collector for the control of Particulate Matter (PM).

EU 102- Joint Treatment No. 2 Carbonate silo., is a 40 tons per hour silo for the storage of carbonate material equipped with a 1,050 dry standard cubic feet per minute (dscfm) baghouse (bin vent) dust collector for the control of Particulate Matter (PM).

EU 103- Joint Treatment Mica Storage Silo, is a 30 tons per hour silo for the storage of carbonate material equipped with a 800 dry standard cubic feet per minute (dscfm) baghouse (bin vent) dust collector for the control of Particulate Matter (PM).

EU 104- Joint Treatment Clay Storage Silo, is a 35 tons per hour silo for the storage of carbonate material equipped with a 800 dry standard cubic feet per minute (dscfm) baghouse (bin vent) dust collector for the control of Particulate Matter (PM).

EU 105- Joint Treatment Talc/Perlite Storage Silo, is a 20 tons per hour silo for the storage of carbonate material equipped with a 800 dry standard cubic feet per minute (dscfm) baghouse (bin vent) dust collector for the control of Particulate Matter (PM).

{Permitting Note: These emission units are regulated under 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants; 40 CFR 60, Subpart A, General Provisions and Reasonably Available Control Technology (RACT) requirements including Specific RACT Emission Limiting Standards for Stationary Emission Units; Maximum Allowable Emission Rates; Circumvention.

Essential Potential to Emit (PTE) Parameters

M.1 Permitted Capacity. The maximum permitted capacity to these emissions units is as stated below and shall not be exceeded without prior Department approval.

EU	Max. Loading Rate (TPH)	Max. Flow Rate (DSCFM)
101	40	1,050
102	40	1,050
103	30	800
104	35	800
105	20	800

[Rules 62-4.160(2), 62-204.800, 62-210.200(PTE), Rule 62-296.700(4), FAC, Rule 2.1101, JEPB and Permit No. 0310072-015-AC]

M.2 Emissions Units Operating Rate After Testing. See the related testing provisions in Appendix TR, Facility - wide Testing Requirements.

[Rule 62-297.310(2) F.A.C.]

M.3 Hours of Operation. This emissions unit may operate continuously, (8,760 hours/year).

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging time(s) for **Specific Conditions M.4–M.5** are based on the specified averaging time of the applicable test method.

M.4 Visible Emissions EU 101 -EU 105. Visible emissions shall not exceed five (5) % opacity.

[Rule 62-204.800(8), FAC, Rule 62-296.711, FAC, Rule 2.1101, & 2.201, JEPB and 40 CFR 60.672 (f) and Table 2 of Subpart OOO]

M.5 Particulate Matter (PM) Emissions.

EU 101 & EU102– Joint Treatment No. 1 & 2 Carbonate silos. PM emissions shall not exceed 0.015 gr/dscf [0.13 pounds per hour (lbs./hr.) and 0.57 tons per year].

EU 103 – Joint Treatment Mica Storage Silo. PM emissions shall not exceed 0.015 gr/dscf [0.10 pounds per hour (lbs./hr.) and 0.45 tons per year].

EU 104 – Joint Treatment Clay Storage Silo. PM emissions shall not exceed 0.015 gr/dscf [0.10 pounds per hour (lbs./hr.) and 0.45 tons per year].

EU 105 – Joint Treatment Talc/Perlite Storage Silo. PM emissions shall not exceed 0.015 gr/dscf [0.10 pounds per hour (lbs./hr.) and 0.45 tons per year].

[Rule 62-296.711, FAC, and Rule 2.1101, JEPB, 40 CFR 60.732 and Permit No. 0310072-015-AC]

M.6 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.

[40 CFR 60. 670 (a) (1)(e) & (f)]

M.7 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.

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

M.8 Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C. & Rule 2.201 JEPB]

M.9 Excess Emissions Prohibited. 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.

[Rule 62-210.700(4), F.A.C. & Rule 2.201 JEPB]

Test Methods and Procedures

{Permitting note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

M.10 Test Methods. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-296.711(3), F.A.C.; Rule 2.1101, JEPB, Rule 2.201, JEPB and 40 CFR 675]

M.11 Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C. & Rules 2.1101 & 2.201 JEPB.]

M.12 Annual Compliance Tests / Compliance Tests Prior to Renewal. During each calendar year (January 1st to December 31st), each EU (EU 101 through EU 105) shall be tested to demonstrate compliance with the emissions standards for Visible emissions in **Specific Condition. M.4** Except as provided in subparagraph 62-297.310(8)(b)3., F.A.C. (see condition **TR7.b.(3)** in Appendix TR – Facility-wide Testing Requirements), in addition to the annual compliance tests specified by this condition , compliance tests shall also be performed for Visible Emissions to demonstrate compliance with the emissions limit in **Specific Condition.M.4** prior to obtaining a renewed operation permit.

[Rule 62-297.310(8)(a)1 & 3, F.A.C., Rule 62-297.310(8)(b)1., F.A.C., Rule 62-297.310(8)(b)2., F.A.C& Rule 2.1201 JEPB.]

M.13 Visible Emissions Test – Required Sampling Time. The required minimum period of observation for visible emissions test shall be 30 minutes except for batch, cyclical processor other operations that are typically completed within less than the minimum operation period, the period of operation shall include each occurrence of the operation during the minimum observation period. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[Rule 62-297.310(5)(b), FAC, and Rule 2.1201, JEPB]

M.14 Particulate Matter Emissions Test (PM). PM testing shall be conducted upon request of the permitting authority. A visible emissions test indicating no visible emissions (5% opacity) may be submitted in lieu of a particulate stack test.

[Rule 62- 296.711(3) (c), and Rule 2.1201, JEPB]

Recordkeeping and Reporting Requirements

M.15 The Permittee shall maintain records as required by the attached Operation and Maintenance (O&M) Plan. Records shall be maintained for a minimum of 5 years. Records shall be provided upon request of the Permitting Authority.

[Rule 62-213.440(1)(b), F.A.C. Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, JEPB]

M.16 Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements

Subsection N. Emissions Unit 106– Joint Treatment Wet and Dry Premixer System

The specific conditions in this section apply to the following emissions unit:

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

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

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

{Permitting Note: This emissions unit is regulated under 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants; 40 CFR 60, Subpart A, General Provisions and Rule 2.301, JEPB; Rule 2.1101, JEPB and Rule 2.1201, JEPB and Reasonably Available Control Technology (RACT) requirements including Specific RACT Emission Limiting Standards for Stationary Emission Units; Maximum Allowable Emission Rates; Circumvention}

Essential Potential to Emit (PTE) Parameters

N.1 Permitted Capacity The maximum process rate is 30 TPH.

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

N.2 Emissions Units Operating Rate After Testing. See the related testing provisions in Appendix TR, Facility - wide Testing Requirements.

[Rule 62-297.310(2) F.A.C.]

N.3 Permitted Capacity: Control Device. The maximum airflow rate of the baghouses combined is 2,000 dry standard cubic feet per minute (dscfm).

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

N.4 Hours of Operation. This emissions unit may operate continuously (8,760 hours/year).

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

{Permitting note: The attached Table 1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for **Specific Conditions N.5. – N.6.** are based on the specified averaging time of the applicable test method.

N.5 Visible Emissions. Visible fugitive emissions from the building housing this EU shall be prohibited.

[Rule 62-296.711, FAC and Rule 2.1101, JEPB and Permit No.0310072-015-AC]

N.6 Particulate Matter Emissions. PM emissions shall be limited to 0.015 gr/dscf [0.26 pounds per hour (lbs/hr) and 1.13 tons per year].

[Permit No.0310072-015-AC]

N.7 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.

[40 CFR 60. 670 (a) (1) (e) & (f)]

N.8 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.

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

N.9 Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C. & Rule 2.201, JEPB]

N.10 Excess Emissions Prohibited. 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.

[Rule 62-210.700(4), F.A.C. & Rule 2.201, JEPB]

Test Methods and Procedures

{Permitting note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

N.11 Test Methods. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-296.711(3), F.A.C.; Rule 2.1101, JEPB, Rule 2.201, JEPB and 40 CFR 675]

N.12 Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C. & Rules 2.1101 & 2.201 JEPB]

N.13 Annual Compliance Tests / Compliance Tests Prior to Renewal. During each calendar year (January 1st to December 31st), this EU shall be tested to demonstrate compliance with the emissions standards for Visible emissions in **Specific Condition N.5**Except as provided in subparagraph 62-297.310(8)(b)3., F.A.C. (see condition **TR7.b.(3)** in Appendix TR – Facility-wide Testing Requirements), in addition to the annual compliance tests specified by this condition , compliance tests shall also be performed for Visible Emissions to demonstrate compliance with the emissions limit in **Specific Condition N.5**prior to obtaining a renewed operation permit.

[Rule 62-297.310(8)(a)1 & 3, F.A.C., Rule 62-297.310(8)(b)1., F.A.C., Rule 62-297.310(8)(b)2., F.A.C. & Rule 2.1201 JEPB]

N.14 Visible Emissions Test – Required Sampling Time. The required minimum period of observation for visible emissions test shall be 30 minutes except for batch, cyclical processor other operations that are typically completed within less than the minimum operation period, the period of operation shall include each occurrence of the operation during the minimum observation period. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[Rule 62-297.310(5)(b), FAC, and Rule 2.1201, JEPB]

N.15 Particulate Matter Emissions Test (PM). PM testing shall be conducted upon request of the permitting authority. A visible emissions test indicating no visible emissions (5% opacity) may be submitted in lieu of a particulate stack test.

[Rule 62- 296.711(3) (c), and Rule 2.1201, JEPB]

Recordkeeping and Reporting Requirements

N.16 The Permittee shall maintain records as required by the attached Operation and Maintenance (O&M) Plan. Records shall be maintained for a minimum of 5 years. Records shall be provided upon request of the Permitting Authority.

[Rule 62-213.440(1)(b), F.A.C. Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, JEPB]

N.17 Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
108	Wallboard Coating Booth Line No. 1.

Wallboard Coating Booth Line No.1 is for the application of coatings to the finished wallboard produced by the Wallboard Lines Nos. 2 and 3. Particulate Matter will be controlled by panel filters.

This EU also includes the No. 1 Board Machine Kiln which produces heat for wallboard drying zones.

Essential Potential to Emit (PTE) Parameters

O.1 Permitted Capacity- No. 1 Board Machine Kiln Burners: The maximum heat input to the No. 1 Board Machine Kiln burners shall be 50 MMBtu/hr.

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

O.2 Permitted Capacity- Wallboard Coating Booth. The design capacity of the Coating Booth is 240 gallons per hour and 62,500 gallons per year of coating.

[Construction Permit No. 0310072-022-AC]

O.3 Emissions Units Operating Rate After Testing. See the related testing provisions in Appendix TR, Facility - wide Testing Requirements.

[Rule 62-297.310(2) F.A.C.]

O.4 Method of Operation – No. 1 Board Machine Kiln Burners– Authorized Fuel. This emissions unit is authorized to combust natural gas **only**.

[Rule 2.1401, JEPB and Permit No. 0310072-026-AC]

O.5 Hours of Operation- No. 1 Board Machine Kiln Burners. This emissions unit shall be allowed to operate continuously, i.e., 8,760 hours/year per each **No. 1 Board Machine Kiln** burner.

[Rule 2.1401, JEPB and Permit No. 0310072-026-AC]

O.6 Hours of Operation- Wallboard Coating Booth: The hours of operation are not limited, i.e., 8,760 hours/year.

[Rule 62-210.200(PTE), F.A.C and Rule 2.1401, JEPB]

Emission Limitations and Standards

{Permitting note: The attached Table 1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for **Specific Conditions O.7. – O.7** are based on the specified averaging time of the applicable test method.

O.7 Visible Emissions- No. 1 Board Machine Kiln Burners: VE shall be limited to a maximum of 5% opacity from each emission point.

[Permit No. 0310072-015-AC, and Rule 2.1401, JEPB]

O.8 Visible Emissions- Wallboard Coating Booth: No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity

[Rule 62-296.320(4)(b)1, F.A.C., and Rule 2.1101, JEPB; Construction Permit No. 0310072-022-AC]

Test Methods and Procedures

{Permitting note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

O.9 Visible Emissions- No. 1 Board Machine Kiln Burners- Test Method. 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]

O.10 Visible Emissions- No. 1 Board Machine Kiln Burners-Test Frequency. 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(5)(b) FAC, and Rule 2.1201, JEPB]

O.11 Particulate Matter, Sulfur Dioxide, Nitrogen Oxides - No. 1 Board Machine Kiln Burners -Test Methods. 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.

[Rule 62-212.400(12), FAC, Rule 2.401, 2.1401, JEPB and Permit No. 0310072-015-AC]

O.12 Particulate Matter, Sulfur Dioxide, Nitrogen Oxides- No. 1 Board Machine Kiln Burners - Test Frequency. PM, SO_2, and NO_x testing for this EU shall be conducted upon request of the Permitting Authority.

[Rule 62-212.400(12), FAC, Rule 2.401, Rule 2.1401, JEPB and Permit No. 0310072-015-AC]

O.13 Visible Emissions- Wallboard Coating Booth- Test Method. 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, Rule 2.1201, JEPB; and Permit No. 0310072-022-AC]

O.14 Visible Emissions- Wallboard Coating Booth-Test Frequency. VE testing for Wallboard Coating Booth shall be conducted upon request of the Permitting Authority.

[Rule 2.1201, JEPB; and Permit No. 0310072-022-AC]

O.15 Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C. & Rules 2.1101 & 2.201 JEPB]

O.16 Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

This section of the permit addresses the following emissions units.

ID No.	Emission Unit Description
109	Wallboard Production Line No. 2
110	Wallboard Production Line No. 3

EU 109 - Wallboard Production Line No. 2: 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.

EU 110 - Wallboard Production Line No. 3: 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.

Essential Potential to Emit (PTE) Parameters

P.1 Permitted Capacity. The maximum allowable heat input rate is as follows:

Unit No.	MMBtu/hr Heat Input	Fuel Type
109	61	Natural Gas
110	160	Natural Gas

[Rules 62-4.160(2), 62-204.800, 62-210.200(PTE), F.A.C.; Rule 2.301, JEPB, and Permit Nos. 0310072-015-AC and No. 0310072-026]

P.2 Maximum Combined Additive Usage Wallboard Production Line Nos. 2 and 3. Maximum combined **additive usage** in wallboard production on wallboard production lines nos. 2 and 3 shall be limited to a maximum of 1.31 X 10^6 pounds per year total. Year means calendar year.

[Rule 62-212.400(12), FAC, and Rule 2.401, JEPB Permit No. 0310072-016-AC, Permit No. 0310072-026-AC]

P.3 Maximum Combined Glass Mat Usage, Wallboard Production Line Nos. 2 and 3. Maximum combined **glass mat** usage in wallboard production on wallboard production lines nos. 2 and 3 shall be limited to a maximum of 1.53 X 10^6 pounds per year total as a paper substitute. Year means calendar year.

[Rule 62-212.400(12), FAC, and Rule 2.401, JEPB Permit No. 0310072-016-AC, Permit No. 0310072-026-AC]

Heavier pre-coated interior glass mat: ("coated interior mat")

P.4 Maximum Combined "Coated Interior Mat" Usage Wallboard Production Line Nos. 2 and 3. Maximum combined **coated interior mat** usage in wallboard production on wallboard production line nos. 2 and 3 shall be limited to 680,000 pounds per year total.

[Rule 62-212.400(12), FAC, Rule 2.401, JEPB and Permit No. 0310072-026-AC]

P.5 Maximum Combined Coated Exterior Mat Usage Wallboard Production Line Nos. 2 and 3: Maximum Combined **exterior mat** usage in wallboard production on wallboard production lines nos. 2 and 3 shall be limited to a maximum of 2.4 X 10^6 pounds per year total.

[Rule 62-212.400(12), FAC, Rule 2.401, JEPB and Permit No. 0310072-026-AC]

P.6 Emissions Units Operating Rate After Testing. See the related testing provisions in Appendix TR, Facility - wide Testing Requirements.

[Rule 62-297.310(2) F.A.C.]

P.7 Method of Operation- Fuel. The only fuel authorized to be burned in these units is natural gas. emissions units shall be allowed to operate 8,760 hours per year per each wallboard dryer burner.

[Rule 62-213.410, F.A.C, Rule 2.1401, JEPB and Permit No. 0310072-026]

P.8 Hours of Operation. These emissions units may operate continuously (8,760 hours/year).

[Rule 62-210.200(PTE), F.A.C.; and, Permit No. Permit No. 0310072-026-AC]

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

P.9 Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C. & Rule 2.201, JEPB]

P.10 Excess Emissions Prohibited. 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.

[Rule 62-210.700(4), F.A.C. & Rule 2.201, JEPB]

Emission Limitations and Standards

{Permitting note: The attached Table 1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for **Specific Conditions P.11** is based on the specified averaging time of the applicable test method.

P.11 Visible Emissions. Visible Emissions shall be limited to a maximum of 5% opacity from each emission point.

[Rule 2.1401, JEPB and Permit No. 0310072-015-AC]

Test Methods and Procedures

{Permitting note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

P.12 Test Methods. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
7E	Determination of Nitrogen Oxide Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources
19	Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxides Emission Rates (Optional F-factor method may be used to determine flow rate and gas analysis to calculate mass emissions in lieu of Methods 1-4.)

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-297. F.A.C., Rule 2.1201, JEPB and, Permit No. 0310072-015-AC]

P.13 Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C. & Rules 2.1101 & 2.201 JEPB]

P.14 Visible Emissions- Test Frequency. 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(5)(b) FAC Rule 2.1201, JEPB]

P.15 Particulate Matter, Sulfur Dioxide, Nitrogen Oxides - Test Frequency. PM, SO_2, and NO_x testing for this EU shall be conducted upon request of the Permitting Authority.

[Rule 62-212.400(12), FAC, Rule 2.401, JEPB, and Rule 2.1401, JEPB and Permit No. 0310072-015-AC]

P.16 Material Usage Limit Compliance Demonstration. Compliance with the material usage limits in **Specific Conditions P.2.through P.5.,** shall be based on a 12 month rolling total basis as specified in **Specific Condition P.17.**

[Rule 62-210.200(PTE), F.A.C Permit No. 0310072-026-AC]

Recordkeeping and Reporting Requirements

P.17 Facility Wide VOC and HAP Emissions Caps -Recordkeeping. The owner or operator shall maintain a record of the facility-wide VOC and HAP emissions on a 12 month rolling basis. The latest monthly VOC and HAP emissions shall be added to the VOC and HAP emissions from the previous 11 consecutive months in order to continuously demonstrate that the facility is meeting the stated facility-wide VOC and HAP emissions caps.

All supporting information, documentation, and records used to compute the facility-wide emissions shall be maintained onsite at the facility in a permanent form suitable for Department inspection for at five years from the date the data is recorded. This includes, but not limited to material balance reports, calculations, formulas, product name, density, VOC content, and HAP content. These records and materials shall be made available to the Department upon request.

The following information shall be maintained to determine the facility-wide HAP emissions:

a. The rolling, 12-month total of **additive** usage for Wallboard Production Lines Nos. 2 and 3.
b. The rolling, 12-month total of **glass mat** usage for Wallboard Production Line Nos. 2 and 3
c. The rolling, 12-month total of **coated interior mat** usage for Wallboard Production Line Nos. 2 and 3
d. The rolling, 12-month total of **coated exterior mat** usage for Wallboard Production Line Nos. 2 and 3

Unless otherwise approved by the Department, the owner or operator shall use the same emission factors for reporting the actual emissions for HAP(s) as accepted in Permit No. 0310072-026-AC.

[Rule 62-210.200(PTE), F.A.C Permit No.0310072-015-AC Permit No. 0310072-026-AC]

P.18 Semi-annual Compliance Reports. The permittee shall submit a semi-annual compliance report to the Compliance Authority demonstrating that the facility is in compliance with facility wide emissions caps. Each compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Each compliance report must be postmarked or delivered no later than July 31 or January 31 for the semiannual reporting period ending on June 30 and December 31, respectively

[Rule 62-210.370(2), F.A.C., and Construction Permit No. 0310072-026-AC]

P.19 Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

[Rule 62-213.440(1)(b), F.A.C.]

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
111	No. 3 Board Plant Starch Receiver/Refill Bin. Particulate Matter (PM) control device: SENECA Baghouse Model 2-CARTHZ-245

{Permitting Note: These emission units are regulated under 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants; 40 CFR 60, Subpart A, General Provisions and Reasonably Available Control Technology (RACT) requirements including Specific RACT Emission Limiting Standards for Stationary Emission Units; Maximum Allowable Emission Rates; Circumvention}

Essential Potential to Emit (PTE) Parameters

Q.1 Permitted Capacity. The maximum process rate is 3 TPH.

[Rule 62-296.700(4), FAC, Rule 2.1101, JEPB and Permit No. 0310072-019-AC]

Q.2 The maximum airflow rate is 500 dry standard cubic feet per minute (dscfm).

[Rule 62-296.700(4), FAC, Rule 2.1101, JEPB and Permit No. 0310072-019-AC]

Q.3 Emissions Unit Operating Rate Limitation After Testing. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements.

[Rule 62-297.310(2), F.A.C.]

Q.4 Hours of Operation. This emissions unit shall be allowed to operate continuously, i.e., 8,760 hours/year.

[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

{Permitting note: The attached Table 1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for **Specific Conditions Q.5 - Q.6.** are based on the specified averaging time of the applicable test method.

Q.5 Visible Emissions: Visible emissions shall be limited to five (5) percent (%) opacity.

[Rule 62-204.800(8), Rule 62-296.711, FAC, Rule 2.1101, 2.201, JEPB 40 CFR 60.672 and Permit No. 0310072-019-AC]

Q.6 Particulate Matter Emissions: PM emissions shall be limited to 0.015 gr/dscf [0.06 pounds per hour (lbs./hr.) and 0.28 tons per year].

[Rule 62-296.711, FAC, and Rule 2.1101, JEPB and Permit No. 0310072-019-AC]

Q.7 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.

[40 CFR 60. 670 (a) (1) (e) & (f)]

Q.8 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.

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C. cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

Q.9 Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C., & Rule 2.201, JEPB]

Q.10 Excess Emissions Prohibited. 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.

[Rule 62-210.700(4), F.A.C. & Rule 2.201, JEPB]

Test Methods and Procedures

{Permitting note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Q.11 Test Methods. When required, tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
5B	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM_{10}.)
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.

[Rule 62-296.711(3), F.A.C.; Rule 2.1101, JEPB, Rule 2.201, JEPB and 40 CFR 675]

Q.12 Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C. & Rules 2.1101 & 2.201 JEPB]

Q.13 Annual Compliance Tests / Compliance Tests Prior to Renewal. During each calendar year (January 1st to December 31st), this EU shall be tested to demonstrate compliance with the emissions standards for Visible emissions in **Specific Condition Q.5** Except as provided in subparagraph 62-297.310(8)(b)3., F.A.C. (see condition **TR7.b.(3)** in Appendix TR – Facility-wide Testing Requirements), in addition to the annual compliance tests specified by this condition , compliance tests shall also be performed for Visible Emissions to demonstrate compliance with the emissions limit in **Specific Condition Q.5** prior to obtaining a renewed operation permit.

[Rule 62-297.310(8)(a)1 & 3, F.A.C., Rule 62-297.310(8)(b)1., F.A.C., Rule 62-297.310(8)(b)2., F.A.C & Rule 2.1201 JEPB]

Q.14 Visible Emissions Test – Required Sampling Time. The required minimum period of observation for visible emissions test shall be 30 minutes except for batch, cyclical processor other operations that are typically completed within less than the minimum operation period, the period of operation shall include each occurrence of the operation during the minimum observation period. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.

[Rule 62-297.310(5)(b), FAC, and Rule 2.1201, JEPB]

Q.15 Particulate Matter Emissions Test (PM). PM testing shall be conducted upon request of the permitting authority. A visible emissions test indicating no visible emissions (5% opacity) may be submitted in lieu of a particulate stack test.

[Rule 62- 296.711(3) (c), and Rule 2.1201, JEPB]

Recordkeeping and Reporting Requirements

Q.16 The Permittee shall maintain records as required by the attached Operation and Maintenance (O&M) Plan. Records shall be maintained for a minimum of 5 years. Records shall be provided upon request of the Permitting Authority.

[Rule 62-213.440(1)(b), F.A.C. Rule 62-296.700(6), FAC, Rule 2.1401, JEPB, Rule 2.501, JEPB, and Rule 2.1101, JEPB]

Q.17 Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description				
112	Emergency Fire Pump and Generator Diesel Engines constructed before June 12, 2006 located at an area Source of Hazardous Air Pollutant (HAP) emissions.				
Engine	**Description**	**Model No.**	**Man. Date**	**Rating (BHP)**	**Displacement (L/Cyl)**
	200 kW Cummins Fire Pump Engine	CTCA8.3F2	11/10/2000	270	1.38
	201 kW Cummins Generator Diesel Engine	DGFC-5742614 Serial No. J050846636 (Engine Model No. 6CTAA8.3G2	11/03/2005	268	1.38

*{**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. This EU is subject to 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR 63, Subpart A, General Provisions, and Rule 62-204.800(8), FAC and Rule 2.201, JEPB.}*

R.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]

Essential Potential to Emit (PTE) Parameters

R.2 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]

R.3 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

R.4 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. R.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]

R.5 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. R.6** 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]

R.6 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

R.7 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

R.8 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]

R.9 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

R.10 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]

R.11 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]

R.12 The records in **Specific Condition Nos. R.11R.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]

SECTION VI. APPENDICES.

The Following Appendices Are Enforceable Parts of This Permit:

Appendix A, Glossary.
Appendix CAM, Compliance Assurance Monitoring Plan.
Appendix I, List of Insignificant Emissions Units and/or Activities.
Appendix LR-1, Local Rule Index
Appendix NESHAP, Subpart A – General Provisions.
Appendix NESHAP, ZZZZ- National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.
Appendix NSPS, Subpart A – General Provisions.
Appendix NSPS, Subpart OOO- Standard of Performance for NonMetallic Mineral Processing Plants
Appendix NSPS, Subpart UUU- Standard of Performance for Calciners and Dryers in Mineral Industries.
Appendix O & M Plan
Appendix RR, Facility-wide Reporting Requirements.
Appendix TR, Facility-wide Testing Requirements.
Appendix TV, Title V General Conditions.

Referenced Attachments.

Figure 1, Summary Report-Gaseous and Opacity Excess Emission and Monitoring System Performance (40 CFR 60, July, 1996).
Table H, Permit History.
Table 1, Summary of Air Pollutant Standards and Terms.
Table 2, Compliance Requirements.