# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

RICK SCOTT
GOVERNOR

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LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY


## DRAFT PERMIT

**PERMITTEE**

CEMEX Construction Materials Florida, LLC
11430 Camp Mine Road
Brooksville, FL 34601

Authorized Representative:
Mr. Greg Bridge, Environmental Manager

Air Permit No. 0530044-022-AC
Permit Expires: 12/21/2015
Gregg Mine Facility
Minor Air Construction Permit
Project: Addition of Secondary Crusher

This is the final air construction permit to add a secondary crusher associated with the Soft Rock Plant that will be in addition to the existing portable crusher. The proposed work will be conducted at the Gregg Mine Facility (Standard Industrial Classification No. 1422). The facility is located in Hernando County at 11430 Camp Mine Road in Brooksville, Florida. The UTM coordinates are Zone 17, 358.41 km East, and 3163.52 km North.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Due to the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Hillsborough County, Florida
*DRAFT*

_____ _____

Kelley M. Boatwright
Permitting & Waste Cleanup
Program Administrator
Southwest District

Effective Date

## CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination, the Final Permit and the Appendices) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on the date indicated below to the persons listed below.

Greg Bridge, Cemex (gregm.bridge@cemex.com)

Tammy Reed, Koogler and Associates, Inc. (treed@kooglerassociates.com)

Max Lee, P.E., Koogler and Associates, Inc. (mlee@kooglerassociates.com)

Danielle Henry, FDEP Southwest District (Danielle.D.Henry@dep.state.fl.us)

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

*DRAFT*

_____ _____

(Clerk) (Date)

## FACILITY AND PROJECT DESCRIPTION

### Existing Facility

The facility contains limestone processing plants and other associated equipment at a site designated as the Gregg Mine Facility. The facility crushes, sorts, and washes limestone to meet various sizing specifications. Process unconfined emission sources include crushers, screens, conveyor belts, hoppers, and storage bins. Non-process unconfined emission sources include blasting, roadways and stockpiles.

Facility ID No. 0530044

| EU ID No. | Emissions Unit Description |
|---|---|
| 001 | Hard Rock Plant (includes a truck loadout system) |
| 005 | Mobile Soft Rock Plant |
| 006 | Diesel Drive |
| 007 | Screenings Top Off Plant |

### Project Description and Affected Emissions Units

This project will add a secondary crusher associated with the Soft Rock Plant (EU No. 005) to the facility. This project will also remove the visible emissions testing requirements for Emissions Point (E.P.) No. 235, ("1/2 Bin Belt (C29) to Rotating Turn Head") in E.U. No 001. Because this E.P. No. 235 is part of a "wet material processing operation" as defined in 40 CFR 60.671, Subpart OOO does not apply (see 40 CFR 60.670(2)). This project will modify the following EUs.

| EU ID No. | Emissions Unit Description |
|---|---|
| 001 | Hard Rock Plant (includes a truck loadout system) |
| 005 | Mobile Soft Rock Plant |

***NOTE:*** *Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.*

### Exempt Emission Units/Activities

- New Sand Plant, which was part of Emission Unit No. 001.
  [Rule 62.4.040, F.A.C.]

## FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAPs).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.

- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- This facility is a natural minor source of air pollution. The facility's physical capability and the nature of the facility's operation that necessitates the usage of water for production, instead of the usage of water as a control measure, naturally limits particulate matter ($PM_{10}$) emissions.

## PERMIT HISTORY/AFFECTED PERMITS

This permit modifies Construction Permit Nos. 0530044-012-AC and 0530044-013-AC.

**1.** Permitting Authority - The permitting authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Air and Solid Waste Permitting Program. The mailing address and phone number is:

Florida Department of Environmental Protection
Southwest District Office
Air and Solid Waste Permitting Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-470-5700

All documents related to applications for permits shall be submitted to the above address.

**2.** Compliance Authority - The compliance authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Compliance Assurance Program. The mailing address and phone number is:

Florida Department of Environmental Protection
Southwest District Office
Compliance Assurance Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-470-5700

**3.** Appendices - The following Appendices are attached as part of this permit:

a. Appendix A. Citation Formats and Glossary of Common Terms;

b. Appendix B. General Conditions;

c. Appendix C. Common Conditions;

d. Appendix D. Common Testing Requirements;

e. Appendix E. 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants;

f. Appendix F. 40 CFR 60, Subpart A – General Provisions;

g. Drawing 1. Hard Rock Plant – E.U. No. 001;

h. Drawing 2. Truck Loadout System – E.U. No. 001;

i. Drawing 4. Mobile Soft Rock Plant – E.U. No. 005;

j. Attachment 1: Process Flow Diagram for Secondary Crusher – E.U. No. 005; and

k. Drawing 5. Screenings Top Off Plant – E.U. No. 007.

**4.** Applicable Regulations, Forms and Application Procedures - Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

**5.** New or Additional Conditions - For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.
[Rule 62-4.080, F.A.C.]

**6.** Modifications - Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as: Any physical change or changes in the method of operations or addition to a facility that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility.
[Rules 62-210.200 - Definition of "Modification" and 62-210.300(1)(a), F.A.C.]

**7.** Reasonable Precautions/ Work Practice Requirements – The following reasonable precautions/ work practices shall be followed:

a. The posted maximum plant road speed limit is 10 mph;

b. The posted maximum access road speed limit is 35 mph;

c. The plant haul roads are watered as necessary to minimize the occurrence of emissions of unconfined particulate matter; and

d. In order to provide reasonable assurance that the precautions and practices required in Specific Condition No. 7 and Condition No. 9.c. in Section 4, Appendix C are adequate, visible emissions from the process sources identified below in Table 4 in Specific Condition No. C.3. and all non-process sources of unconfined particulate matter should not exceed 10 percent opacity. Exceedances of this limit shall not be a violation in an of itself, but an indication that additional control precautions and/or practices may be necessary.

[Rule 62-296.320(4)(c)2, F.A.C.; Construction Permit 0530044-015-AC]

**8.** Application for Non-Title V Air Operation Permit - This permit authorizes construction or modification of the permitted emissions unit(s) and initial operation to determine compliance with Department rules. A Non-Title V air operation permit is required for continued operation of the permitted emissions unit(s). The permittee shall apply for a Non-Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation or commencing operation as modified. Commencing operation means setting into operation of any emissions unit for any purpose. To apply for a Non-Title V air operation permit, the applicant shall submit the following:

a. the appropriate permit application form *(see current version of Rule 62-210.900, F.A.C. (Forms and Instructions), and/or FDEP Division of Air Resource Management website at: http://www.dep.state.fl.us/air/)*;

b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.; (applies to non-Title V facilities and construction permits at a Title V facility that does not have an effective Title V permit)

c. a copy of the initial compliance test report(s) required by Specific Condition No. A.16., if not previously submitted; and

d. copies of the most recent month of records/logs specified in Specific Condition No(s). A.17.and A.18. (if applicable).

[Rules 62-4.030, 62-4.050, 62-4.070(3), 62-4.090, 62-210.300(2) and 62-210.90, F.A.C.]

## A. EU No. 001 – Hard Rock Plant and EU No. 005 – Mobile Soft Rock Plant

This section of the permit addresses the following emissions units (EUs).

| EU ID No. | Emissions Unit Description |
|---|---|
| 001 | The hard rock plant includes a truck loading system (see Table Nos. 1 and 2 below). The plant has a maximum throughput rate of 3,600 tons/hr. (monthly average basis) and 16,000,000 tons per any consecutive 12-month period. This plant utilizes water and water spray equipment in many areas throughout the plant. |
| 005 | The mobile soft rock plant includes two mobile crushing units and has a maximum throughput rate of 600 tons/hr. (monthly average basis) and 1,500,000 tons per any consecutive 12-month period (see Table No. 3 and 4 below). The plant is permitted for operation at only the Gregg Mine facility. |

### PERFORMANCE RESTRICTIONS

**A.1.** Federal Regulatory Requirements - These emissions units are subject to 40 CFR 60, Subpart OOO – Subpart OOO – Standard of Performance for Nonmetallic Mineral Processing Plants (See Appendix E) and the attached general provisions of 40 CFR 60, Subpart A (see Appendix F.), where applicable, which is adopted by reference in Rule 62-204.800, F.A.C.
[Rule 62-204.800(8), F.A.C.]

**A.2.** Permitted Capacity for Hard Rock Plant – The maximum permitted throughput (i.e., input to the primary crusher) is 3,600 tons per hour (monthly average basis) and 16,000,000 tons per any consecutive 12-month period.
*{Permitting Note - See Appendix D, Condition 1, for operation rate during testing requirements.}*
[Rule 62-210.200 (definition of Potential to Emit) and 62-297.310(2), F.A.C.; Construction Permit No. 0530044-015-AC]

**A.3.** Permitted Capacity for Hard Rock Plant's Truck Loadout System – The maximum permitted throughput (i.e., input to the loading hopper) of the hard rock plant's truck loadout system is 1,500 tons per hour (monthly average basis).
*{Permitting Note – 1) The truck loadout annual throughput is limited by virtue of the hard rock plant's annual throughput limit. Due to the complexity of determining the truck loadout throughput, recordkeeping for its hourly throughput is not required, other than during compliance tests, unless requested by the Department; and 2) See Appendix D, Condition 1, for Operation Rate during Testing requirements.}*
[Rules 62-210.200(definition of Potential to Emit) and 62-297.310(2), F.A.C.; Construction Permit Nos. 0530044-012-AC & 0530044-013-AC]

**A.4.** Permitted Capacity for Mobile Soft Rock Plant – The maximum permitted throughput (i.e., input to the loading hopper) is 600 tons per hour (monthly average basis) and 1,500,000 tons per any consecutive 12-month period.
*{Permitting Note - See Appendix D, Condition 1, for operation rate during testing requirements.}*
[Rules 62-210.200(definition of Potential to Emit) and 62-297.310(2), F.A.C.; Construction Permit Nos. 0530044-012-AC & 0530044-013-AC]

**A.5.** Saturated Materials to Non-Saturated Materials Requirement – Any emission point listed in Tables 1 and 2 in Specific Condition No. A.7. that has an "*" are only allowed to handle saturated material. An air pollution construction permit is required to be obtained by the permittee prior to any of these emission points changing to "non-saturated material".
[Rules 62-210.200(definition of Potential to Emit) and 62-4.070(3), F.A.C.]

**A.6.** Hours of Operation – The hours of operation are not limited (8760 hours per year).
[Rules 62-210.200(definition of Potential to Emit) and 62-4.070(3), F.A.C.; Construction Permit No. 0530044-015-AC]

**EMISSIONS STANDARDS**

**A.7.** Visible Emissions Limitations – Each emission point shown below shall comply with the following maximum visible emission limitations.

**Table 1 – Hard Rock Plant**
**Emission Unit No. 001 (Drawing 1)**

| E.P. ID No. | Brief Description | Drawing 1 E.P. No(s). | Max VE Limit[1] | Max VE Limit[2] | Max ME Limit[3] |
|---|---|---|---|---|---|
| 118 | Front-end Loader to Dump Hopper (DH-01) | Top | <20 | n/a | n/a |
| 119 | Dump Hopper (DH-01) to Primary Crusher Feeder Belt (PF-01) | 1 | <20 | 15 | 12 |
| 120 | Primary Crusher Feeder Belt (PF-01) to Primary Crusher (PCN-01) | 2 | <20 | 15 | 12 |
| 121 | Primary Crusher (PCN-01) | 2 | <20 | 15 | 12 |
| 122 | Primary Crusher to Conveyor Belt (CV-01) | 3 | <20 | 15 | 12 |
| 123 | 60" Trommel Feed Conveyor (CV-01) to Magnetic Rejection Pile (REJ-02) | 33 | <20 | n/a | n/a |
| 124 | Conveyor Belt (CV-01) to Primary Discharge Chute (CH-01) | 4/5 | <20 | 10 | 7 |
| 125* | Primary Discharge Chute (CH-01) to North Trommel Screen (TR-01) | 6 | <20 | n/a | n/a |
| 126* | Primary Discharge Chute (CH-01) to South Trommel Screen (TR-02) | 7 | <20 | n/a | n/a |
| 127* | North Trommel Screen (TR-01) to Station 2 North Vibrating Screen (VSN-01) | 8 | <20 | n/a | n/a |
| 128* | Station 2 North Vibrating Screen (VSN-01) | 8 | <20 | n/a | n/a |

| | | | | | |
|---|---|---|---|---|---|
| 129* | South Trommel (TR-02) to Station 2 South Vibrating Screen (VSN-02) | 9 | <20 | n/a | n/a |
| **E.P. ID No.** | **Brief Description** | **Drawing 1 E.P. No(s).** | **Max. VE Limit[1]** | **Max. VE Limit[2]** | **Max. VE Limit[3]** |
| 130* | Station 2 South Vibrating Screen (VSN-02) | 9 | <20 | n/a | n/a |
| 131* | Station 2 North Vibrating Screen (VSN-01) to Station 2 North #2 Bohringer Secondary Crusher (BH-01) | 10 | <20 | n/a | n/a |
| 132* | Station 2 North #2 Bohringer Secondary Crusher (BH-01) | 10 | <20 | n/a | n/a |
| 133* | Station 2 South Vibrating Screen (VSN-02) to Station 2 South Bohringer Secondary Crusher (BH-02) | 12 | <20 | n/a | n/a |
| 134* | Station 2 South Bohringer Secondary Crusher (BH-02) | 12 | <20 | n/a | n/a |
| 135* | Station 2 North Vibrating Screen (VSN-01) to North Trommel Conveyor (CV-02) | 8A | <20 | n/a | n/a |
| 136* | Station 2 South Vibrating Screen (VSN-02) to South Screen Tower Conveyor (CV-02B) | 9A | <20 | n/a | n/a |
| 137 | Station 2 North #2 Bohringer Secondary Crusher (BH-01) to North Trommel Conveyor (CV-02) | 11 | <20 | 15 | 12 |
| 138 | Station 2 South Bohringer Secondary Crusher (BH-02) to CV-02B | 13 | <20 | 15 | 12 |
| 139* | North Trommel Conveyor (CV-02) to Trommel (TR-06) | 11A | <20 | n/a | n/a |
| 140* | South Screen Tower Conveyor (CV-02B) to Trommel (TR-07) | 13A | <20 | n/a | n/a |
| 141* | Trommel (TR-06) to North Screen Tower Conveyor (CV-02A) | 11B | <20 | n/a | n/a |
| 142* | Trommel (TR-07) to Conveyor (CV-02C) | 13B | <20 | n/a | n/a |
| 143* | North Screen Tower Conveyor (CV-02A) to Chute (CH-13) | 14 | <20 | n/a | n/a |
| 144* | Conveyor (CV-02C) to Chute (CH-12) | 15 | <20 | n/a | n/a |

| | | | | | |
|---|---|---|---|---|---|
| 145* | Chute (CH-13) to #1 Vibrating Screen (VS-1) | 14A | <20 | n/a | n/a |
| 146* | #1 Vibrating Screen (VS-1) | 16 | <20 | n/a | n/a |
| **E.P. ID No.** | **Brief Description** | **Drawing 1 E.P. No(s).** | **Max. VE Limit[1]** | **Max. VE Limit[2]** | **Max. VE Limit[3]** |
| 147* | Chute (CH-13) to #2 Vibrating Screen (VS-2) | 14B | <20 | n/a | n/a |
| 148* | #2 Vibrating Screen (VS-2) | 17 | <20 | n/a | n/a |
| 149* | #1 Vibrating Screen (VS-1) to #5 Vibrating Screen (VS-5) | 38 | <20 | n/a | n/a |
| 150* | #5 Vibrating Screen (VS-5) | 38 | <20 | n/a | n/a |
| 151* | #1 Vibrating Screen (VS-1) to Crossbelt Conveyor #3 (CV-10) | 16A | <20 | n/a | n/a |
| 152* | #1 Vibrating Screen (VS-1) to Chute (CH-14) | 16B | <20 | n/a | n/a |
| 153* | #1 Vibrating Screen (VS-1), #2 Vibrating Screen (VS-2), #3 Vibrating Screen (VS-3), #4 Vibrating Screen (VS-4), Chute (CH-14), and Rip Rap Chute to Return Crossbelt Conveyor #1A (CV-08) | 20B | <20 | n/a | n/a |
| 154* | #1 Vibrating Screen (VS-1) to Rip Rap Chute | 102 | <20 | n/a | n/a |
| 155* | Rip Rap Chute to Rip Rap Conveyor (CV-26) | 103 | <20 | n/a | n/a |
| 156 | Rip Rap Conveyor (CV-26) to Rip Rap Stockpile | 104 | <20 | n/a | n/a |
| 157* | Chute (CH-14) to 1 ½ Stockpile Belt Conveyor (CV-19) | 16C | <20 | n/a | n/a |
| 158* | 1 ½ Stockpile Belt Conveyor (CV-19) to 1 ½ x 1 Stockpile | 16D | <20 | n/a | n/a |
| 159* | #2 Vibrating Screen (VS-2) to #6 Vibrating Screen (VS-6) | 39 | <20 | n/a | n/a |
| 160* | #6 Vibrating Screen (VS-6) | 39 | <20 | n/a | n/a |
| 161* | #2 Vibrating Screen (VS-2) to Crossbelt Conveyor #3 (CV-10) | 17A | <20 | n/a | n/a |
| 162* | Chute (CH-12) to #3 Vibrating Screen (VS-3) | 15A | <20 | n/a | n/a |
| 163* | #3 Vibrating Screen (VS-3) | 18 | <20 | n/a | n/a |
| 164* | Chute (CH-12) to #4 Vibrating Screen (VS-4) | 15B | <20 | n/a | n/a |
| 165* | #4 Vibrating Screen (VS-4) | 19 | <20 | n/a | n/a |
| 166* | #3 Vibrating Screen (VS-3) to #7 Vibrating Screen (VS-7) | 40 | <20 | n/a | n/a |

| | | | | | |
|---|---|---|---|---|---|
| 167* | #7 Vibrating Screen (VS-7) | 40 | <20 | n/a | n/a |
| | | | | | |
| **E.P. ID No.** | **Brief Description** | **Drawing 1 E.P. No(s).** | **Max. VE Limit[1]** | **Max. VE Limit[2]** | **Max. VE Limit[3]** |
| 168* | #3 Vibrating Screen (VS-3) to Crossbelt Conveyor #3 (CV-10) | 18A | <20 | n/a | n/a |
| 169* | #4 Vibrating Screen (VS-4) to #8 Vibrating Screen (VS-8) | 41 | <20 | n/a | n/a |
| 170* | #8 Vibrating Screen (VS-8) | 41 | <20 | n/a | n/a |
| 171* | #4 Vibrating Screen (VS-4) to Crossbelt Conveyor #3 (CV-10) | 19A | <20 | n/a | n/a |
| 172* | Crossbelt Conveyor #3 (CV-10) to Conveyor (CV-21) | 34A | <20 | n/a | n/a |
| 173* | Conveyor (CV-21) to 1 x ¾ Stockpile | 36 | <20 | n/a | n/a |
| 174* | #5 Vibrating Screen (VS-5) to Crossbelt Conveyor #4 (CV-11) | 38A | <20 | n/a | n/a |
| 175* | #5 Vibrating Screen (VS-5) to Crossbelt Conveyor #5 (CV-12) | 38B | <20 | n/a | n/a |
| 176* | #5 Vibrating Screen (VS-5) to Crossbelt Conveyor #6 (CV-13) | 38C | <20 | n/a | n/a |
| 177* | #6 Vibrating Screen (VS-6) to Crossbelt Conveyor #4 (CV-11) | 39A | <20 | n/a | n/a |
| 178* | #6 Vibrating Screen (VS-6) to Crossbelt Conveyor #5 (CV-12) | 39B | <20 | n/a | n/a |
| 179* | #6 Vibrating Screen (VS-6) to Crossbelt Conveyor #6 (CV-13) | 39C | <20 | n/a | n/a |
| 180* | #7 Vibrating Screen (VS-7) to Crossbelt Conveyor #4 (CV-11) | 40A | <20 | n/a | n/a |
| 181* | #7 Vibrating Screen (VS-7) to Crossbelt Conveyor #5 (CV-12) | 40B | <20 | n/a | n/a |
| 182* | #7 Vibrating Screen (VS-7) to Crossbelt Conveyor #6 (CV-13) | 40C | <20 | n/a | n/a |
| 183* | #8 Vibrating Screen (VS-8) to Crossbelt Conveyor #4 (CV-11) | 41A | <20 | n/a | n/a |
| 184* | #8 Vibrating Screen (VS-8) to | 41B | <20 | n/a | n/a |

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|---|---|---|---|---|---|
| | Crossbelt Conveyor #5 (CV-12) | | | | |
| | | | | | |
| **E.P. ID No.** | **Brief Description** | **Drawing 1 E.P. No(s).** | **Max. VE Limit[1]** | **Max. VE Limit[2]** | **Max. VE Limit[3]** |
| 185* | #8 Vibrating Screen (VS-8) to Crossbelt Conveyor #6 (CV-13) | 41C | <20 | n/a | n/a |
| 186* | Crossbelt Conveyor #4 (CV-11) to Conveyor (CV-22) | 42 | <20 | n/a | n/a |
| 187* | Conveyor (CV-22) to ¾ x ½ Stockpile | 43 | <20 | n/a | n/a |
| 188* | Crossbelt Conveyor #5 (CV-12) to Recrush Chute (CH-26) | 44A | <20 | n/a | n/a |
| 189* | Recrush Chute (CH-26) to Conveyor (CV-23) | 44 | <20 | n/a | n/a |
| 190* | Conveyor (CV-23) to ½ x 3/8 Stockpile | 45 | <20 | n/a | n/a |
| 191* | Recrush Chute (CH-26) to Recrush Conveyor #2 (CV-25) | 44B | <20 | n/a | n/a |
| 192 | Front-end Loader to Reclaimed Dump Hopper (DH-02) | 192 | <20 | n/a | n/a |
| 193 | Reclaimed Dump Hopper (DH-02) to Reclaimed Belt (CV-15) | 193 | <20 | 10 | 7 |
| 194 | Reclaimed Belt (CV-15) to Return Crossbelt Conveyor #1A (CV-08) | 20A | <20 | 10 | 7 |
| 195* | Crossbelt Conveyor #1A (CV-08) and Recrush Conveyor #2 (CV-25) to Chute (CH-18) | 44C/21 | <20 | n/a | n/a |
| 196* | Chute (CH-18) to Tertiary #3 Bohringer (BH-03) | 24 | <20 | n/a | n/a |
| 197 | Tertiary #3 Bohringer (BH-03) | 24A | <20 | n/a | n/a |
| 198* | Chute (CH-18) to Tertiary #4 Bohringer (BH-04) | 22 | <20 | n/a | n/a |
| 199 | Tertiary #4 Bohringer (BH-04) | 22A | <20 | n/a | n/a |
| 200 | Tertiary #3 Bohringer (BH-03) to Return Conveyor From Station 3 (CV-03) | 25 | <20 | 15 | 12 |
| 201 | Tertiary #4 Bohringer (BH-04) to Return Conveyor From | 23 | <20 | 15 | 12 |

| | | | | | |
|---|---|---|---|---|---|
| | Station 3 (CV-03) | | | | |
| 202 | Front-end Loader to Reclaimed Dump Hopper (DH-03) | 202 | <20 | n/a | n/a |
| **E.P. ID No.** | **Brief Description** | **Drawing 1 E.P. No(s).** | **Max. VE Limit[1]** | **Max. VE Limit[2]** | **Max. VE Limit[3]** |
| 203 | Reclaimed Dump Hopper (DH-03) to Reclaimed Belt (CV-16) | 100 | <20 | 10 | 7 |
| 204 | Reclaimed Belt (CV-16) to Return Conveyor From Station 3 (CV-03) | 101 | <20 | 10 | 7 |
| 205 | Return Conveyor From Station 3 (CV-03) to Chute (CH-23) | 26 | <20 | 10 | 7 |
| 206 | Chute (CH-03) to Return Trommel (TR-05) | 27 | <20 | 10 | 7 |
| 207* | Return Trommel (TR-05) to Chute (CH-25) | 28 | <20 | n/a | n/a |
| 208* | Chute (CH-25) to North Trommel Conveyor (CV-02) | 29 | <20 | n/a | n/a |
| 209* | Chute (CH-25) to South Screen Tower Conveyor (CV-02B) | 30 | <20 | n/a | n/a |
| 210* | South 42” Screen Tower Conveyor (CV-02B) | 210 | <20 | n/a | n/a |
| 211* | #6 Crossbelt Conveyor (CV-13) to 3/8” Stacking Conveyor (CV-24) | 46 | <20 | n/a | n/a |
| 212* | 3/8” Stacking Conveyor (CV-24) to 3/8” x 3/16” Stockpile | 47 | <20 | n/a | n/a |

**Table 2 – Truck Loadout Plant**
**Emission Unit No. 001 (Drawing 2)**

| **E.P. ID No.** | **Brief Description** | **Drawing 1 E.P. No(s).** | **Max VE Limit[1]** | **Max VE Limit[2]** | **Max ME Limit[3]** |
|---|---|---|---|---|---|
| 213* | 3/8 Tunnel Belt (C.25) to Shaker Feed Belt (C.50) | 73/74 | <20 | n/a | n/a |
| 214* | Shaker Feed Belt (C.50) to Screen (VS12) | 75 | <20 | n/a | n/a |
| 215* | Screen (VS12) | 76 | <20 | n/a | n/a |
| 216* | Screen (VS12) and West Screen (VS10) to Overs Stockpile | 77 | <20 | n/a | n/a |
| 217* | Screen (VS12) to 3/8 Bin Belt (C.28) | 78 | <20 | n/a | n/a |
| 218* | 3/8 Bin Belt to 3/8 Mix | 79 | <20 | n/a | n/a |

| | | | | | |
|---|---|---|---|---|---|
| | Storage Bin (600 ton HRB5) | | | | |
| 219† | 3/8 Mix Storage Bin (600 ton HRB5) to Truck Loading | 79A | <20 | 10 | 7 |
| 220* | 57 Tunnel Belt (C.27) to North Trommel (TR03) | 63 | <20 | n/a | n/a |
| **E.P. ID No.** | **Brief Description** | **Drawing 2 E.P. No(s).** | **Max. VE Limit[1]** | **Max. VE Limit[2]** | **Max. VE Limit[3]** |
| 221* | North Trommel (TR03) to Screen (VS11) | 65 | <20 | n/a | n/a |
| 222* | Screen (VS11) | 66 | <20 | n/a | n/a |
| 223* | Screen (VS11) to 57 Overs Stacker (C.51) | 64 | <20 | n/a | n/a |
| 224* | 57 Overs Stacker (C.51) to 57 Overs Stockpile | 68 | <20 | n/a | n/a |
| 225* | Screen (VS11) to 57 Bin Belt (C.49) | 67 | <20 | n/a | n/a |
| 226* | 57 Bin Belt (C.49) to 57 Mix Storage Bin (600 ton HRB4) | 69 | <20 | n/a | n/a |
| 227† | 57 Mix Storage Bin (600 ton HRB4) to Truck Loading | 69A | <20 | 10 | 7 |
| 228* | Old Tunnel Belt (C.26) to East Screen (VS09) | 49 | <20 | n/a | n/a |
| 229* | East Screen (VS09) | 51 | <20 | n/a | n/a |
| 230* | Old Tunnel Belt (C.26) to West Screen (VS10) | 49 | <20 | n/a | n/a |
| 231* | West Screen (VS10) | 50 | <20 | n/a | n/a |
| 232* | West Screen (VS10) and East Screen (VS09) to Top Cross Belt (C.31) | 52 | <20 | n/a | n/a |
| 233* | Top Cross Belt (C.31) to Bottom Cross Belt (C.32) | 54 | <20 | n/a | n/a |
| 234* | Bottom Cross Belt (C.32) to ½ Bin Belt (C.29) | 56 | <20 | n/a | n/a |
| 235* | ½ Bin Belt (C.29) to Rotating Turn Head | 58 | <20 | n/a | n/a |
| 236* | Rotating Turn Head to 67 Storage Bin (HRB2) | 59 left | <20 | n/a | n/a |
| 237† | 67 Storage Bin (HRB2) to Truck Loading | 61A | <20 | 10 | 7 |
| 238* | Rotating Turn Head to 1 ½ & 1 Storage Bin (HRB1) | 59 right | <20 | n/a | n/a |
| 239† | 1 ½ & 1 Storage Bin (HRB1) to Truck Loading | 62A | <20 | 10 | 7 |
| 240* | Hard Rock Plant Wash Screens to Screen (VS13) | 80 | <20 | n/a | n/a |
| 241* | Screen (VS13) | 80 | <20 | n/a | n/a |
| 242* | Screen (VS13) to Stockpile | 82 | <20 | n/a | n/a |

| | | | | | |
|---|---|---|---|---|---|
| 243* | Screen (VS13) to Stacker Belt (C.52) | 81/86 | <20 | n/a | n/a |
| 244* | Stacker Belt (C.52) to Stockpile | 87 | <20 | n/a | n/a |

**Table 3 – Mobile Soft Rock Plant**
**Emission Unit No. 005 (Drawing 4)**

| E.P. ID No. | Brief Description | Drawing 1 E.P. No(s). | Max VE Limit[1] | Max VE Limit[2] | Max ME Limit[3] |
|---|---|---|---|---|---|
| 1 | Front End Loader to Hopper/ Grizzly Feeder (MRCC) | Top | <20 | n/a | n/a |
| 2 | Hopper/Grizzly Feeder (MRCC) to Crusher (MRC) | 2 | <20 | 15 | 12 |
| 3 | Crusher (MRC) | 2 | <20 | 15 | 12 |
| 4 | Crusher (MRC) to Conveyor Belt (MRCH) | 3 | <20 | 15 | 12 |
| 5 | Conveyor Belt (MRCH) to Conveyor Belt (MRCG) | 4 | <20 | 10 | 7 |
| 6 | Conveyor Belt (MRCG) to Chute/Hopper/Conveyor Belt (MRCH)/ (MRCG) | 5 | <20 | 10 | 7 |
| 7 | Conveyor Belt (MRCG) to Soft Rock Stockpile | 6 | <20 | n/a | n/a |

**Table 4 – Mobile Soft Rock Plant-Secondary Crusher**
**Emission Unit No. 005 (Attachment 1)**

| E.P. ID No. | Brief Description | Drawing 1 E.P. No(s). | Max VE Limit[1] | Max VE Limit[2] | Max ME Limit[3] |
|---|---|---|---|---|---|
| 8 | Front End Loader to Grizzly Feeder | 8 | <20 | n/a | n/a |
| 9 | Grizzly Feeder to Conveyor Belt | 9 | <20 | 15 | 12 |
| 10 | Grizzly Feeder to Crusher | 10 | <20 | 15 | 12 |
| 11 | Crusher to Conveyor Belt | 11 | <20 | 10 | 7 |
| 12 | CB to Existing Truck Dump Hopper | 12 | <20 | n/a | n/a |

1. For crushers and affected pieces of equipment that are only subject to Rule 62-296.320(4)(b), F.A.C. and not subject to 40 CFR 60, Subpart OOO.

2. For crushers and affected pieces of equipment that are subject to 40 CFR 60, Subpart OOO, and commenced construction, modification or reconstruction after 8/31/1983, but before 4/22/2008 and do not handle saturated material.

3. For crushers and affected pieces of equipment that are subject to 40 CFR 60, Subpart OOO, and commenced construction, modification or reconstruction on or after 4/22/2008 and do not handle saturated material.

* These emission points are currently allowed to handle only "saturated material".

† These emission points are exempt from repeat testing requirements specified Table 3 of 40 CFR 60, Subpart OOO if the affected facility relies on water spray carryover from upstream water spray to control fugitive emissions and the affected facility meets the criteria specified in 40 CFR 60.674(b)(1)(i) and (ii) of Subpart OOO.

Emission Point Nos. with a maximum opacity limit of <20% do not require regular scheduled VE compliance testing, since the applicable visible emission limitation is a facility-wide limitation and there is no applicable allowable mass emission limitation. The following listed Emission Point Nos. are at the same location and required only one VE test when both activities are occurring:

Table 1: Emission Point Nos.

120 and 121
127 and 128
129 and 130
131 and 132
133 and 134
145 and 146
147 and 148
159 and 160
162 and 163
164 and 165
166 and 167
169 and 170

Table 2: Emission Point Nos.

214 and 215
221 and 222
228 and 229
230 and 231
240 and 241

Table 3: Emission Point Nos.

2 and 3

[Rules 62-210.200(definition of Potential to Emit) and 62-296.320(4)(b), F.A.C.; 40 CFR 60.672(b) and (d)]

## COMPLIANCE TESTING REQUIREMENTS

**A.8.** Initial Compliance Tests - The emissions points in Table 4 shall be tested to demonstrate initial compliance with each emission point without an "*" and subject to the 15%, 12%, 10%, or 7% visible emission limitations. The initial tests shall be conducted no later than 60 days after initial operation of the unit.
[Rules 62-4.070(3) and 62-297.310(7)(a)1., F.A.C.]

**A.9.** Compliance Tests - During each federal fiscal year (October 1st to September 30th), test each emission point in Tables 1, 2, 3 and 4 subject to the 15%, 12%, 10%, or 7% visible emission limitations. Testing is not required for the following emissions points:

a. Emissions points marked with an "*" because these point handle only "saturated materials".

b. Emissions points marked with "†" if they rely on water spray carryover from upstream water spray to control fugitive emissions and meets the criteria specified in 40 CFR 60.674(b)(1)(i) and (ii) of Subpart OOO.

[Rule 62-297.310, F.A.C. and 40 CFR 60, Subpart OOO]

**A.10.** Compliance Test Requirements - Compliance tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.
[Rule 62-297.310, F.A.C.]

**A.11.** Visible Emission Testing Requirements – Visible emission testing shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit and shall also comply with the following:

a. The minimum distance between the observer and the emission source shall be 15 feet.

b. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (i.e., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.

c. The duration of the Method 9 observations must be 30 minutes (five 6-minute averages). Compliance with Specific Condition A.7, must be based on the average of the five 6-minute averages.

d. As an alternative to the Method 9 requirement to conduct visible emission observations of only one emission point at a time, a single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second internval if the following conditions are met:

1) No more than three emission points may be read concurrently.
2) All three emission points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.
3) If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.

[Rule 62-297.310 (4), and 62-297.401, F.A.C.; 40 CFR 60.675(c) and (e)(2)]

**A.12.** Compliance Test Method - Required compliance tests shall be performed in accordance with the following reference method.

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

The above method is described in Appendix A of 40 CFR 60 and is 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 62-204.800 and 62-297.100, F.A.C.; Appendix A of 40 CFR 60]

## MONITORING REQUIREMENTS

**A.13.** Monitoring Requirements – If any affected piece(s) of equipment of the crushing system (i.e., crusher, screen or conveyor belt) was constructed, modified, or began reconstruction on or after April 22, 2008, a monthly inspection must be performed to check that water is flowing to discharge spray nozzles of the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if water is not flowing properly during the inspection.
[40 CFR 60, 60.674(b)]

## NOTIFICATION REQUIREMENTS

**A.14.** Test Notification - The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test.
**{***Permitting Note - The notification should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.*)
[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

**A.15.** Notification of Operation Commencement – The permittee shall notify the Compliance Authority in writing of the date of commencing operation of the EU No. 005 after completing the modifications authorized by this permit, no later than fifteen (15) days after that date. Commencing operation means setting into operation of any emissions unit for any purpose.
[Rules 62-4.070, and 62-210.200, F.A.C., (definition of Commence Operation)]

## RECORDKEEPING AND REPORTING REQUIREMENTS

**A.16.** Compliance Test Reports - The permittee shall prepare and submit reports for all required compliance tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. The test report must include the following:

a. Name of Facility, Date of Test, Facility ID No. 0530044, Emission Unit No. along with the associated Emission Point No.;

b. Date each tested affected piece of equipment of the crushing system commenced construction, modification, or reconstruction;

c. Type of material processed;

d. Actual material handling (crushing) rate during the test period (tons/hour);

e. A copy of the logs as required by Specific Condition No. A.16. for the month the test was conducted.

[Rule 62-4.070(3) and 62-297.310(8), F.A.C.]

**A.17.** Recordkeeping Requirements – In order to document continuing compliance with Specific Condition Nos. A.2, A.3, and A.4, the permittee shall maintain the following records:

a. Daily hours of plant operation for each of the Hard Rock Plant and Mobile Soft Rock Plant. [Construction Permit 0530044-015-AC]

b. Daily throughput for each of the Hard Rock Plant and Mobile Soft Rock Plant, in tons. [Construction Permit 0530044-015-AC]

c. Calculate on a monthly basis:

   1. The average hourly throughput, in tons/hr., for each of the Hard Rock Plant and Mobile Soft Rock Plant for the most recent month.
   2. The total tons of throughput for each of the Hard Rock Plant and Mobile Soft Rock Plant for the most recent consecutive 12-month period.

   [Construction Permit 0530044-015-AC]

d. Daily, log the following information regarding the watering of the plant roads:

   1. Hours of operation of the watering trucks.
   2. Any maintenance of the watering trucks.

   [Construction Permit 0530044-015-AC]

e. For each crusher the manufacturer's maximum rated capacity for any material (*i.e. the rated TPH capacity of the material with the highest processing rate*).

f. Date each affected piece of equipment of the crushing system that handles non-saturated material(s) commenced construction, modification, or reconstruction.

These records shall be recorded in a permanent form suitable for inspection by the Department upon request, and shall be retained at the facility for at least a three year period. Daily records/logs shall be completed within 7 business days and monthly records/logs shall be completed by the end of the following month.
[Rule 62-4.070(3) and 62-4.160, F.A.C.]

**A.18.** Monitoring Records – If any affected piece(s) of equipment of the crushing system was constructed, modified, or began reconstruction on or after April 22, 2008, the owner or operator must record each inspection of the water spray nozzles, including the date of each inspection any corrective actions taken. *(see also Specific Condition No. A.13.)*
[40 CFR 60, 60.674(b)].