**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**
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SECRETARY

**PERMITTEE**

Argos Cement, LLC
4000 Northwest County Road (CR) 235
Newberry, Florida 32669

Authorized Representative:
Chris Horner, Plant Manager

Air Permit No. 0010087-049-AC
PSD-FL 228G and PSD-FL-350E
Permit Expires: 01/01/2018
Minor Air Construction Permit

Argos Newberry Cement Plant
Conveyor C11 and Minor Air Permit Revisions

**PROJECT**

This final permit authorizes the installation of a conveyor and conveyor transfer point, and miscellaneous revisions to previously issued air construction permits. Argos Newberry Cement Plant is a Portland cement plant categorized under Standard Industrial Classification No. 3241. The existing facility is located in Alachua County at 4000 Northwest CR 235 in Newberry, Florida. The UTM coordinates are Zone 17, 346.4 kilometers (km) East and 3,285.7 km North.

This final permit is organized into the following sections: Section 1 (General Information); Section 2 (Administrative Requirements); Section 3 (Emissions Unit Specific Conditions); and Section 4 (Appendices). Because of 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.

**STATEMENT OF BASIS**

This air pollution construction 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 Tallahassee, Florida

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*for* Jeffery F. Koerner, Deputy Director
Office of Permitting and Compliance
Division of Air Resource Management

## CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Air Permit package 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 following persons.

Mr. Chris Horner, Plant Manager, Argos: chorner@argos-us.com
Mr. Henry Gotsch, Environmental Manager, Argos: ogotsch@argos-us.com
Dr. Max Lee, Ph.D. P.E., Koogler and Associates: mlee@kooglerassociates.com
Mr. Richard Rachal, Administrator, NED: richard.rachal@dep.state.fl.us
Ms. Heather Ceron, US EPA Region 4: ceron.heather@epa.gov
Ms. Lorinda Shepherd, EPA Region 4: shephard.lorinda@epa.gov
Ms. Lynn Scearce, DEP OPC: lynn.scearce@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.

Lynn Scearce

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## FACILITY DESCRIPTION

Argos Cement, LLC, Argos Newberry Cement Plant, is a Portland cement plant and associated quarry, and raw material and cement handling operations. The plant combines raw materials and utilizes preheater/precalciner kilns with in-line raw mill to produce clinker. The clinker is milled and combined with gypsum to produce Portland cement. The facility consists of the following major activities: raw material handling and storage; raw mill systems; kiln systems clinker handling; finish grinding operations; cement handling, loading, and bagging operations; and coal handling and grinding operations.

Each In-Line Kiln System (emission unit (EU) 003 and EU 010) includes a 157 foot kiln, a 4-stage preheater tower, a multi-stage combustion calciner, a tire feed system, two coal burners; and ancillary equipment. To control emissions of particulate matter (PM), the kiln systems are equipped with an electrostatic precipitator (ESP).

The existing facility consists of the following EU.

| EU No. | Emission Unit Description |
|---|---|
| 001 | Raw Materials Handling and Storage |
| 002 | Raw Mill System - Line 1 |
| 003 | In Line Kiln System/Raw Mill - Line 1 |
| 004 | Clinker Handling - Line 1 |
| 005 | Finish Grinding Operations - Line 1 |
| 006 | Cement Handling, Loading, and Bagging Operations |
| 007 | Coal Handling and Grinding Operation - Line 1 |
| 008 | Clinker to Railcar/Truck Conveyor |
| 009 | Raw Mill System - Line 2 |
| 010 | In-Line Kiln System/Raw Mill - Line 2 |
| 011 | Clinker Handling - Line 2 |
| 012 | Finish Grinding Operation - Line 2 |
| 013 | Cement Load-Out Silos 6 & 7 |
| 014 | Coal Handling and Grinding operations |
| 017 | Emergency Diesel Engine (1,150 HP) |
| 019 | Emergency Diesel Fire Pump (83 HP) |

## PROPOSED PROJECT

The purpose of this project is to authorize the installation of a new conveyor and conveyor transfer point to accommodate the relocation of the existing lime rock crushers and update and revise Argos Cement Title V air operation permit based on the current activities and applicable requirements. This permit addresses the following emission units at this facility:

| EU No. | Emission Unit Description |
|---|---|
| 001 | Raw Materials Handling and Storage |
| 003 | In Line Kiln System/Raw Mill - Line 1 |
| 004 | Clinker Cooler – Line 1 |
| 010 | In-Line Kiln System/Raw Mill - Line 2 |
| 011 | Clinker Handling - Line 2 |
| 012 | Finish Grinding Operations |

## SECTION 1. GENERAL INFORMATION

This permitting action revises several conditions in underlying air construction permits primarily related to: removing annual visible emission tests for the kilns and clinker cooler ESP stacks since these emission units are equipped with a continuous opacity monitoring system (COMS); remove the requirement for kiln No. 1 to do a performance test for dioxin/furan (D/F) since the kiln is no longer subject to National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart LLL of Title 40 Code of Federal Regulation (CFR) Part 63; and remove an emission point in the finish grinding operations since this emission point no longer exists. This revision also includes minor changes in the language of Specific Conditions to clarify the intent of the rules and regulations.

This permitting action includes revisions to the existing construction permits shown in ~~strike through~~ format for deletions and in double underline format for additions. For ease of identification, all changes have been highlighted in yellow within this draft permit document. The revisions follow the existing permits numerical order. Unless otherwise specified in this permit, the revisions to the conditions only cover the paragraphs where the changes are made and not necessarily repeat the entire conditions.

### FACILITY REGULATORY CLASSIFICATION

- The facility is a major source of hazardous air pollutants (HAP).
- The facility does not operate units subject to the acid rain provisions of the Clean Air Act.
- The facility is a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is a major stationary source in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.
- The facility does operate units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.
- The facility does operate units subject to the NESHAP of 40 CFR 63.

### RELEVANT DOCUMENTS

Several documents shown in the following link are not a part of this permit, but helped form the basis for this permitting action. Documents related to this permitting action are posted under Permit No. 0010087-049-AC at the following web site address: http://appprod.dep.state.fl.us/air/emission/apds/default.asp

## SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Office of Permitting and Compliance in the Division of Air Resource Management of the Department of Environmental Protection (Department). The Office of Permitting and Compliance mailing address is 2600 Blairstone Road (MS #5505), Tallahassee, Florida 32399-2400.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Northeast District Office at: 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256-7590. Phone: 904/256-1700, Fax: 904/256-1588.

3. Appendices: The following Appendices are attached as a part of this permit: Appendix A (Citation Formats and Glossary of Common Terms); Appendix B (General Conditions); Appendix C (Common Conditions); Appendix D (Common Testing Requirements); Appendix E (NSPS Subpart A); and Appendix F (NSPS Subpart OOO).

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: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

7. Construction and Expiration. The expiration date shown on the first page of this permit provides time to complete the physical construction activities authorized by this permit, complete any necessary compliance testing, and obtain an operation permit. Notwithstanding this expiration date, all specific emissions limitations and operating requirements established by this permit shall remain in effect until the facility or emissions unit is permanently shut down. For good cause, the permittee may request that that a permit be extended. Pursuant to Rule 62-4.080(3), F.A.C., such a request shall be submitted to the Permitting Authority in writing before the permit expires. [Rules 62-4.070(4), 62-4.080 & 62-210.300(1), F.A.C.]

8. Applicable Standards and Regulations: Except as specified in Section 3 below, the facility remains subject to all of the rules and requirements contained in all previously issued air construction permits for this facility. [Rule 62-4.070, F.A.C.]

## A. Raw Material Handling and Storage (EU 003)

This section of the permit addresses the following emissions unit.

| ID No. | Emission Unit Description |
|---|---|
| 001 | Raw Material Handling and Storage |

*{Permitting Note: This emissions unit is regulated under NSPS Subpart A (General Provisions) and Subpart OOO (Standards of Performance for Nonmetallic Mineral Processing Plants) adopted and incorporated by reference in Chapter 62-204.800, F.A.C.}*

| EU001 Raw Material Handling and Storage | | |
|---|---|---|
| **EP** | **FRI ID** | **SOURCE** |
| 01 | C01 | Raw Material Unloading C01 conveyor belt transfer/drop point onto C02 conveyor belt. |
| 02 | C02 | Raw Material Handling & Unloading C02 conveyor belt transfer/drop point from C02 discharge tripper-car onto ground pile. |
| 03 | C08 | C01 second transfer point from conveyor C08 onto conveyor C01. |
| 04 | C09 | C01 third transfer point from conveyor C09 onto conveyor C08. |
| 05 | C04/C05 | Reclaimer and Dry Rock Storage from Reclaimer to D01. |
| 06 | C15 | Below- Water Rock Crusher. |
| 07 | D01/D02 | Raw Material Handling and Unloading D01 transfer point from conveyor D01 onto conveyor D02. |
| 08 | C25 | Above-Water Rock Crusher shrouded drop point/transfer point from C25 crusher to C23 underbelt. |
| 09 | PC01 | Mobile Crusher from crusher PC01 to ground pile. |
| 10 | C10 | C10 Conveyor System point from C10 conveyor onto C09 conveyor. |
| 11 | A26 | Mobile Powerscreen point from powerscreen A26 onto powerscreen-conveyor PP02. |
| 12 | A27 | Mobile Powerscreen conveyor transfer/drop point from powerscreen-conveyor A27 onto ground pile. |
| 13 | C20 | Conveyor System (C20) at south end of existing (C10) from conveyor C20 onto conveyor C10. |
| 14 | C22 | C22- 100 feet stacker conveyor on south end of new conveyor segment (C20) point from conveyor C22 into surge bin C21. |
| 15 | C21 | Covered Surge-bin/feeder (C21) that receives rock from C22 conveyor and places it onto conveyor C20 installed at interchange (C22 & C20) point from shrouded drop point/ transfer point from surge-bin (C21) onto integral feeder-belt. |
| 16 | C21 | C21 Bin Feeder Underbelt drop point from integral feeder-belt C21 onto conveyor C20. |
| 17 | C23 | C23 Underbelt (integral to Crusher C25) drop point from underbelt C23 onto conveyor C22. |
| 18 | C11 | C11 Conveyor system point from C10 conveyor onto C20 conveyor. |

### PREVIOUS APPLICABLE REQUIREMENTS

1. Other Permits: The conditions of this permit supplement all previously issued air construction and operation permits for this emissions unit. Unless otherwise specified, these conditions are in addition to all other applicable permit conditions and regulations.

   [Rule 62-4.070, F.A.C.]

### EQUIPMENT

2. Conveyor and Transfer Point C11 (EP18): The permittee is authorized to install a new conveyor and transfer point C11 to accommodate the new location of the existing crushers. The new conveyor will be approximated 42-inches wide and 500 feet long. [Application No. 0010087-049-AC]

3. Applicable NSPS Provisions: The conveyor and conveyor transfer point are subject to, and shall comply with, the applicable provisions in NSPS Subpart A (General Provisions) and NSPS Subpart OOO (Standards of Performance for Nonmetallic Mineral Processing Plants) of 40 CFR 60, which are identified in Appendix E and F of this permit, respectively. [NSPS Subparts A and OOO in 40 CFR 60 and Rule 62-204.800, F.A.C.]

## A. Raw Material Handling and Storage (EU 003)

### PERFORMANCE RESTRICTIONS

4. Restricted Operation: The hours of operation are not limited (8,760 hours/year). [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

### EMISSIONS STANDARD

5. Visible Emissions: Fugitive emissions from conveyor transfer point C11 (EP18) shall not exceed 7% opacity. [NSPS Subpart OOO of 40 CFR 60.472(b), Table 3]

### TESTING AND COMPLIANCE REQUIREMENTS

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(7)(a)9, F.A.C.]

7. Test Methods: 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 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

8. Initial Compliance Tests: The conveyor transfer point C11 (EP18) shall be tested to demonstrate initial compliance with the emission standard for opacity. The initial tests shall be conducted within 60 days after achieving permitted capacity, but not later than 180 days after initial operation of the unit. The initial performance test shall meet the applicable requirements in accordance with NSPS Subpart A of 40 CFR 60.11 and Subpart OOO of 40 CFR 60.675. [Rules 62-4.070(3), and 62-297.310(7)(a)1, F.A.C.; and NSPS Subpart OOO of 40 CFR 60, Table 3]

9. Annual Compliance Test: During each federal fiscal year (October 1st to September 30th), the emissions unit shall be tested to demonstrate compliance with the emissions standards for opacity in accordance with Method 9 based on 30 minutes (5 6-minute averages). [Rules 62-4.070(3), and 62-297.310(7)(a)4, F.A.C.]

10. Repeat Performance Test: A repeat performance test according to 40 CFR 60.11 and 40 CFR 60.675 shall be done within 5-years from the previous performance test for fugitive emissions from affected facilities without water sprays. Affected facilities controlled by water carryover from upstream water sprays that are inspected according to the requirements in 40 CFR 60.674(b) and 60.676(b) are exempt from this 5-year repeat testing requirement. [NSPS Subpart OOO of 40 CFR 60, Table 3]

11. Compliance Requirements for Visible Emissions:
    a. Compliance with opacity standard required in 40 CFR 60.8 shall be determined by conducting observations in accordance with Method 9 in Appendix A and the procedures in 40 CFR 60.11 with the following additions:
        (1) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
        (2) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (*e.g.*, road dust). The required observer position relative to the sun (Method 9 of Appendix A-4, Section 2.1) must be followed.
        (3) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

b. For purposes of determining initial compliance, the minimum total time of observations shall be 3-hours (30 6-minute averages) for the performance test.

c. The opacity standard shall apply at all times except during periods of startup, shutdown, or malfunction.

[Rule 62-204.800(8)(b)68, F.A.C.; NSPS Subpart A of 40 CFR 60.8 and 60.11; and NSPS Subpart OOO of 60.675(c).]

## A. In-Line Kiln/Raw Mill – Line 1 and Clinker Handling – Line 1 (EU 003 and EU 004)

This section of the permit addresses the following emissions units.

| EU No. | Emission Unit Description |
|---|---|
| 003 | In-Line Kiln/Raw Mill – Line 1 |
| 004 | Clinker Handling - Line 1 |

**PERMITS BEING REVISED**

Permit No. AC01-267311 (PSD-FL-228)

*Specific Condition 6 – Only the following portion of this condition was revised. (EU 003 and EU 004)*

6. Continuous opacity monitors shall be installed, operated, and maintained at the kiln/raw mill ESP stack and the clinker cooler ESP stack pursuant to 40 CFR 60~~.63~~, Appendix B. The continuous opacity monitoring system (COMS) shall demonstrate continuous compliance of the opacity limit and satisfy the annual testing requirements for Kiln No. 1 and clinker cooler ESP stacks. A continuous monitor for temperature shall be installed, operated, and maintained at the coal mill baghouse exhaust [S-17] pursuant to 40 CFR 60.253.

*Specific Condition 16 (EU 003)*

16. The Permittee shall not place waste tires on the ground. Waste tires shall be received in closed ~~vans~~ vehicles and unloaded directly into the tire-feeding hopper. Also, in an effort to control mosquitoes at the site, waste tires shall be sprayed with an insecticide prior to receipt at the facility.

Permit No. 0010087-006-AC (PSD-FL-228C)

*Section III, Specific Condition 3. (EU 003)*

3. Permittee shall operate the $NO_X$ and $SO_2$ continuous monitoring equipment in accordance with the following:

   (a) During each relative accuracy test run of the continuous emission monitoring system required by Performance Specification 2 in Appendix B of 40 CFR 60, adopted by reference at 62-204.800(7)(e), F.A.C., data shall be collected concurrently by both the continuous emission monitors and the reference test methods.

   (b) The span value of the continuous emission monitoring system shall be no less than 150 percent and no greater than 250 percent of the maximum permitted emissions of the inline kiln/raw mill.

   (c) The 24-hour daily arithmetic averages shall be calculated from 1-hour arithmetic averages expressed in parts per million by volume (dry basis). The 1-hour arithmetic averages shall be calculated using the valid one-minute data points generated by the continuous emission monitoring system. At least two data points separated by a period of 15 minutes or more shall be used to calculate each 1-hour arithmetic average.

   (d) At a minimum, valid continuous emission monitoring system hourly averages shall be obtained for 95 percent of the operating hours per calendar quarter that the plant is producing clinker. If less than 95 percent of the hourly averages for the operating hours for any given calendar quarter is available, within 45 days following the end of the quarter, the permittee will provide a report with corrective actions.

   (e) All valid continuous emission monitoring system data must be used in calculating the emissions averages. When continuous emission data are not obtained because of continuous emission monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments, for periods of time in excess of those described in specific condition 3(d), emissions data shall be obtained using other monitoring systems as approved by the Department ~~(e.g., the reference methods in 40 CFR 60 Appendix A, Method 19, such as equation 19-19 where $E_{hj}$ is in terms of lbs/ton clinker)~~ to provide, as necessary, reasonable assurance.

(f) In the event the plant is not in operation and there is no data, the system records zeroes. In the event the plant is firing fuel but producing no clinker, the system records pollutant mass emissions rates (i.e., lbs/hour), but the system records zeroes for the production-normalized emission rates (i.e., lbs/ton clinker). These zeroes are not included in the calculations of rolling averages, and are removed from the tabulation.

(g) 30-day $NO_X$ rolling average is calculated through the integrated and automated data acquisition and handling system of the continuous emission monitoring system, according to the procedures in 40 CFR 60 Appendix A~~, Method 19~~.

*{Permitting Note: This specific condition is in addition to the requirements of Tables I and II of this permit as well as Specific Condition 6 of the original Air Construction Permit AC01-267311 (renumbered 0010087-001-AC as amended in August 2001), as incorporated into the final Title V Air Operation Permit No. 0010087-002-AC. Method 19 may be used in conjunction with the other methods to convert a concentration (ppmvd) to a mass emission rate (lb/hour).}*

## B. In-Line Kiln/Raw Mill and Clinker Handling – Line 2 (EU 010 and EU 011)

This section of the permit addresses the following emissions units.

| EU No. | Emission Unit Description |
|---|---|
| 010 | In-Line Kiln/Raw Mill – Line 2 |
| 011 | Clinker Handling – Line 2 |

**PERMIT BEING REVISED**

Permit No. 0010087-031-AC (PSD-FL-350A)

*Section III, Specific Condition 11. (EU 010)*

11. Performance Testing: The owner or operator shall notify the Department prior to initiating any significant change in the raw materials or fuel used in the most recent performance test for ~~D/F or~~ PM. For purposes of this condition this includes but is not necessarily limited to any change in the physical or chemical properties of a raw material [Note: this includes the LOI of flyash] or fuel that is outside of the normal range of monitored parameters; the use of a raw material or fuel not previously used; or a change between non-beneficiated flyash and beneficiated flyash. ~~Based on the information provided, the Department will promptly determine if performance testing pursuant to 40 CFR 63.1349 will be required for the new raw material or fuel.~~ A significant change shall not include switching to a raw material/fuel mix for which the permittee already tested in compliance with the ~~dioxin/furan and~~ PM emission limits. [62-4.070(3), F.A.C.]

*Section III, Specific Condition 23. (EU 010 and 011)*

23. Emission Tests Required – Emissions Units 010 and 011: ~~In addition to the continuous monitoring requirements of this permit, t~~The owner or operator shall demonstrate compliance with the emission limits of this permit for emissions units 010 and 011 initially and annually using the test methods of 40 CFR 60 Appendix A and 40 CFR 61 Appendix B specified below. The tests conducted annually for the relative accuracy test audit (RATA) for the CEM system may be used to satisfy this requirement provided the owner or operator satisfies the prior notification requirements and emission testing requirements of this permit for performance and compliance tests. The COMS shall be used to demonstrate continuous compliance with the opacity limit for the kiln No. 2 and clinker cooler stacks. Annual visible emissions test is not required for EU 010 (In-Line Kiln/Raw Mill System – Line 2) and clinker cooler (EP 2K15) in EU 011.

| POLLUTANT | TEST METHOD |
|---|---|
| PM | Method 5 [1] |
| $PM_{10}$ | Method 5, assuming all PM measured is $PM_{10}$ |
| $SO_2$ | Method 6 or 6C |
| NOx | Method 7 or 7E [2] |
| VE | Method 9 |
| CO | Method 10 or 10A |
| VOC | Method 25 or 25A |

1. The minimum sample volume shall be 30 dry standard cubic feet.
2. NOx emissions testing shall be conducted with the air heater operating at the highest heat input possible during the test.

Each test shall be conducted while all continuous monitoring systems are functioning properly, and with all process units operating at their permitted capacity.

[Rules 62-4.070(3), 62-296.701(4)(a), (c) and (d), and 62-297.310(7), F.A.C. and BACT]

## B. Finish Grinding Operations (EU 012)

This section of the permit addresses the following emissions unit.

| EU No. | Emission Unit Description |
|---|---|
| 012 | Finish Grinding Operations |

**PERMIT BEING REVISED**

Permit No. 0010087-031-AC (PSD-FL-350A)

*Section III, Specific Condition 18.*

18. Emissions Unit 012: Emissions unit 012 shall have the following emission points controlled by following baghouses:

| EMISSION POINT | DESCRIPTION |
|---|---|
| Baghouse 2M07 | Clinker to quadrated silos |
| ~~Baghouse 2M08~~ | ~~Clinker/additives to Mill #2~~ |
| Baghouse 2N93 | Finish Mill #2 air separator |
| Baghouse 2N94 | Finish Mill #2 |
| Baghouse 2N91 | Airlift to separator |
| Baghouse 2N36 | Cement to fringe silo |
| Baghouse 2Q25 | Cement to silo #6 |
| Baghouse 2Q26 | Cement to silo # 7 |

Particulate matter (PM) emissions from each emission point of emissions unit 012 shall not exceed 0.01 grains/dscf, and $PM_{10}$ emissions shall not exceed 0.007 grains/dscf. Particulate matter emissions from each emission point of this emissions unit shall be controlled by a baghouse. Visible emissions from each emission point of this emissions unit shall not exceed 5% opacity.

For emission points 2N93 and 2N94, after initial testing that demonstrates compliance with the PM limit of this condition is completed, subsequent compliance testing for PM and $PM_{10}$ emissions from these emission points is waived, and an alternative standard of 5% opacity is imposed, pursuant to Rule 62-297.620(4), F.A.C. For the other emission points of emissions unit 012, initial and annual compliance testing for PM emissions from these emission points is waived, and an alternative standard of 5% opacity is imposed, pursuant to Rule 62-297.620(4), F.A.C. If the Department has reason to believe that the particulate weight emission standard is not being met, it shall require that compliance be demonstrated using EPA Method 5, as described in 40 CFR 60 Appendix A (1997 version).

PM emissions for all emission points in this emission unit are limited to ~~14.51~~14.24 lb/hr and ~~63.6~~62.4 tons per year. $PM_{10}$ emissions are limited to ~~10.16~~9.97 lb/hr and ~~44.49~~43.68 tons per year. The particulate weight emission standard and the visible emissions limit of 5% opacity are BACT.]