Florida Department of Environmental Protection

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2600 Blair Stone Road
Tallahassee, Florida 32399-2400

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Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

PERMITTEE

Titan Florida, LLC
11000 Northwest 121st Way
Medley, Florida 33178

Authorized Representative:
Mr. Konstantinos Nikolaou, Plant Manager

Air Permit No. 0250020-046-AC (PSD-FL-360C)
Permit Expires: 01/01/2017
Minor Air Construction Permit

Pennsuco Complex
Process Rate Limitations and Bottom Ash Supplement

PROJECT

This is the final air construction permit that establishes the use of bottom ash as a raw material in the process and revises/clarifies the following: revise the volatile organic compounds (VOC) limit of 0.16 lb/ton of clinker (30-day block average) to an equivalent 175 of tons/year for the kiln; revise the 250 tons/hour process limit with an equivalent 6,000 tons/day from the kiln; remove the Continuous Opacity Monitoring System (COMS) from the main stack; remove the hourly/daily coal and petroleum coke usage limits from the kiln; and clarify the averaging times for the process rates applicable to the finish mills, cement storage silos, Packhouse, and loadout operations. The Department's determination is strictly limited to this specific case and should not be used as a precedent for other cases. The proposed work will be conducted at the existing Pennsuco Complex, which is categorized under Standard Industrial Classification No. 3241. The facility is located in Miami-Dade County at 11000 NW 121st Way, in Medley, Florida. The UTM coordinates are Zone 17,562.27kilometers (km) East and 2861.7 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

David Lyle Read, P.E.
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For:

Jeffery F. Koerner, Deputy Director
Division of Air Resource Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Construction 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. Konstantinos Nikolaou, Titan Florida, LLC: knikolaou@titanamerica.com
Mr. William Kissel, Titan Florida, LLC: wkissel@titanamerica.com
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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

Titan Florida, LLC (Titan) operates the Pennsuco Facility in Medley, Miami-Dade County, Florida. The facility consists of a dry process Portland cement plant, an aggregate plant, two batch "ready-mix" concrete plants, and a cement block plant. The Portland cement plant has an allowable production rate of 2,190,000 tons/year of clinker and 2,400,000 tons/year of cement. It includes fuel and raw material storage, feed bins, a coal mill, a dry process pyroprocessing line, transfer equipment, finish mills, clinker and cement silos, and product packaging and load out facilities.

The facility consists of the following emissions units (EU):

EU No.	Emission Unit Description
010	Finish Mill System: Finish Mill No. 1
011	Finish Mill System: Finish Mill No. 2
012	Finish Mill System: Finish Mill No. 3
013	Finish Mill System: Finish Mill No. 4
030	Finish Mill System: Finish Mill No. 6
014	Cement Handling System: Cement Storage Silos. 1 through 12
015	Cement Handling System: Cement Distribution, Rail and Truck Loadout/Mobile Cementitious Material Sack Loadout System
016	Cement Handling System: Cement Packhouse
022	Nonmetallic Mineral Processing Plant Equipment and Operations at Aggregate Plant Subject to 40 CFR 60, Subpart OOO
023	Nonmetallic Mineral Processing Plant Equipment and Operations at Aggregate Plant NOT Subject to 40 CFR 60, Subpart OOO
024	Concrete Block Plant
025	Two Concrete Batch Ready Mix Plants
026	Coal Handling System
027	Clinker Handling and Storage System
028	Pyroprocessing/Raw Mill System
029	Raw Material Handling System
031	Unregulated Emissions Units and/or Activities: Fugitive Emissions
032	Cementitious Sack Loadout System
034	Transloading of Cementitious Material
036	Emergency Diesel Fuel Fired Air Compressor
038	Emergency Diesel Fuel Fired Generators Subject to 40 CFR 63, Subpart ZZZZ
039	Emergency Diesel Fuel Fired Generators Subject to 40 CFR 60, Subpart IIII

PROPOSED PROJECT

The applicant submitted an application to the Department on August 25, 2015, (Link to application) requesting to modify previous permits applicable to the Pennsuco Complex as follows:

- Establish the use of bottom ash as a raw material in the process.
- Replace the VOC limit of 0.16 pounds per ton clinker (lb/ton, 30-day block average) applicable to the kiln with an equivalent limit of 175 of tons/year (12-month rolling total, rolled monthly);
- Remove the 250 tons/hour process limit from the kiln and replace it with an equivalent 6,000 tons/day limit;

- Remove the kiln 10% opacity limit and COMS requirement that was used as a surrogate to demonstrate compliance with the PM emission limit of 0.10 lb/ton of clinker. The PM limit will be continuously and directly monitored by a continuous parameter monitoring system (PM CPMS);
- Remove the hourly/daily coal and petroleum coke (petcoke) usage limits from the kiln since the clinker production limit effectively limits the potential to emit (PTE) for all pollutants;
- Increase the averaging time for the process rates for the following: total cement production rate from the Finish Mills, combined, from 359 tons/hour (24-hour block average) to an equivalent 8,616 tons/day; maximum input rate to each cement storage silos and loadout operation from 500 tons/hour (24-block average) to an equivalent 12,000 tons/day; and, the maximum production rate of cement in the Packhouse from 170 tons/hour (24-hour block average) to an equivalent 4,080 tons/day.

This project will modify the following emissions units.

EU No.	Emission Unit Description
010	Finish Mill System: Finish Mill No. 1
011	Finish Mill System: Finish Mill No. 2
012	Finish Mill System: Finish Mill No. 3
013	Finish Mill System: Finish Mill No. 4
030	Finish Mill System: Finish Mill No. 6
014	Cement Handling System: Cement Storage Silos 1 – 12
015	Cement Handling System: Cement Distribution, Rail and Truck Loadout
016	Cement Handling System: Cement Packhouse
028	Cement Plant Pyroprocessing and Raw Mill System

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 operates units subject to the New Source Performance Standards (NSPS) of Title 40 Part 60 of the Code of Federal Regulations (CFR).
- The facility operates units subject to the National Emissions Standards of Hazardous Air Pollutants (NESHAP) of 40 CFR 63.

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 Blair Stone 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 Miami-Dade County, Department of Regulatory and Economic Resources at 701 Northwest 1st Court, Suite 400, Miami, Florida 33136.

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); and Appendix D (Common Testing Requirements).

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. [Rule 62-4.070(7), F.A.C.]

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) & 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. Source Obligation:

   a. Authorization to construct shall expire if construction is not commenced within 18 months after receipt of the permit, if construction is discontinued for a period of 18 months or more, or if construction is not completed within a reasonable time. This provision does not apply to the time period between construction of the approved phases of a phased construction project except that each phase must commence construction within 18 months of the commencement date established by the Department in the permit.

   b. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

c. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

[Rule 62-212.400(12), F.A.C.]

9. Application for Title V Permit: This permit authorizes construction of the permitted emissions units and initial operation to determine compliance with Department rules. A Title V air operation permit is required for regular operation of the permitted emissions unit. The permittee shall apply for a Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for a Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority with copies to the Compliance Authority. [Rules 62-4.030 & 62-4.050 and Chapter 62-213, F.A.C.]

A. EU 028 Cement Plant Pyroprocessing and Raw Mill System

This section of the permit addresses the following emissions unit.

EU No.	Emission Unit Description
028	Cement Plant Pyroprocessing and Raw Mill System

{Permitting Note: This emissions unit is subject to NSPS Subpart A, General Provisions, of 40 CFR 60; Rule 62-204.800(9)(f), Commercial and Industrial Solid Waste Incineration (CISWI) Units, 40 CFR 60, Subpart DDDD; and Rule 62-212.400(PSD), F.A.C.}

COMPLIANCE WITH EXISTING PERMIT CONDITIONS

1. Existing Permits: This permit supplements all existing valid air construction permits. The permittee shall continue to comply with all applicable conditions from valid air construction permits (as incorporated into the current Title V air operation permit), except as modified by this permit. [Rule 62-4.070, F.A.C.]

EQUIPMENT

2. Bottom Ash: Bottom ash is hereby established to be used as a raw material in the process. Existing equipment and controls will be used for transferring, processing and introducing bottom ash into the process. [Application No. 0250020-046-AC]

PERFORMANCE RESTRICTIONS

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

TESTING REQUIREMENTS

4. 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.]

5. Test Methods: 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
9	Visual Determination of the Opacity of Emissions from Stationary Sources
10	Determination of Carbon Monoxide Emissions from Stationary Sources {Note: The method shall be based on a continuous sampling train.}
18	Measurement of Gaseous Organic Compound Emissions by Gas Chromatography
25A	Method for Determining Gaseous Organic Concentrations (Flame Ionization)

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. [Rule 62-204.800 F.A.C.; and Appendix A of 40 CFR 60]

REPORTS

6. Actual Emissions Reporting: This permit is based on an analysis that compared baseline actual emissions with projected actual emissions and avoided the requirements of Rule 62-212.400(4) through (12), F.A.C. for carbon monoxide (CO) and VOC. Therefore, pursuant to Rule 62-212.300(1)(e), F.A.C., the permittee is subject to the following monitoring, reporting and recordkeeping provisions.

a. The permittee shall monitor the emissions of any PSD pollutant that the Department identifies could increase as a result of the construction or modification and that is emitted by any emissions unit that could be affected; and, using the most reliable information available, calculate and maintain a record of the annual emissions, in tons/year on a calendar year basis, for a period of 5-years following resumption of regular operations after the change. Emissions shall be computed in accordance with the provisions in Rule 62-210.370, F.A.C., which are provided in Appendix C of this permit.

b. The permittee shall report to the Department within 60 days after the end of each calendar year during the 5-year period setting out the unit's annual emissions during the calendar year that preceded submission of the report. The report shall contain the following:

1) The name, address and telephone number of the owner or operator of the major stationary source;

2) The annual emissions calculations pursuant to the provisions of 62-210.370, F.A.C., which are provided in Appendix C of this permit;

3) If the emissions differ from the preconstruction projection, an explanation as to why there is a difference; and

4) Any other information that the owner or operator wishes to include in the report.

c. The information required to be documented and maintained pursuant to Rule 62-212.300(1)(e)1 and 2, F.A.C., shall be submitted to the Department, which shall make it available for review to the general public.

d. The permittee shall compute and report annual emissions in accordance with Rule 62-210.370(2), F.A.C. as provided by Appendix C of this permit. For this project, the permittee shall use the following methods in reporting the actual annual CO and VOC emissions for the kiln:

(1) The permittee shall use data collected from the CO CEMS to determine and report the actual annual emissions of CO.

(2) The permittee shall use data collected from the THC CEMS (measured as propane) to determine the VOC emissions.

(3) As defined in Rule 62-210.370(2), F.A.C., the permittee shall use a more accurate methodology if it becomes available.

For this project, the permit requires the annual reporting of actual CO and VOC emissions for the kiln.

{Permitting Note: The VOC emissions increase were estimated based on the potential emissions (162.7 tons/year) minus the baseline emission (42.8 tons/year) and the demand growth (80.8 tons/year) which resulted in an increase of 39.10 tons/year. The baseline emissions of CO of 909.38 tons/year were based on the two highest consecutive years (2013 and 2014) reported on Titan Florida, LLC, Air Operating Report, and the demand growth of 1,000.6 that the facility could have accommodated.}

[Rules 62-212.300(1)(e) & 62-210.370, F.A.C.; and Application No. 0250020-046-AC.]

7. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit.
[Rule 62-297.310(10), F.A.C.]

PERMITS BEING MODIFIED

Permit No. 0250020-017-AC/PSD-FL-360

8. Section III, Specific Condition No. 6.

6. Pyroprocessing System Production Limits: The maximum production of clinker shall not exceed ~~250 tons/hour on a 24-hour block average~~ 6,000 tons/day based on a 30 day rolling average, never to exceed

6,800 tons/day in a 24-hour block, and 2,190,000 tons/year.
[Rule 62-210.200, (PTE)~~Definitions – Potential to Emit~~, F.A.C.; ~~Applicant Request in application received April 18, 2005~~ Permit No. 0250020-017-AC/PSD-FL-360; and Application No. 0250020-046-AC]

9. Section III, Specific Condition 12.

12. Testing Procedures and Methods: In addition to the CEMS or ~~COMS~~ PM-CPMS compliance requirements listed in Condition 14, the main stack and dust collector, Baghouse I.D. 331.BF200, serving the preheater/kiln/cooler/raw mill/coal mill shall be tested according to the EPA Methods and at the frequencies listed below:

{No changes to table or notes in Condition 12.}

[Rules 62-4.070(3), 62-297.310(7) & 62-212.400, F.A.C.; Permit Nos. 0250020-017~~6~~-AC, 0250020-035-AC & 0250020-036-AC; and Application 0250020-046-AC]

Permit No. 0250020-030-AC

10. Section III, Subsection A, Specific Condition 14.

14. Main Stack – Pyroprocessing/Raw Mill Emission Limits: Emissions exiting the main stack from the Pyroprocessing/Raw Mill system shall not exceed the limits shown in the following table:

POLLUTANT	EMISSION LIMIT	AVERAGING TIME	COMPLIANCE METHOD	BASIS
Opacity[6]	10 Percent	~~6 minute block~~	~~COMS,~~ Method 9	PTE, Avoid PSD ~~40 CFR Subpart LLL~~
VOC[4]	~~0.16 lb/ton of clinker[2]~~	~~30 days[2]~~	CEMS	PTE, Avoid PSD
	~~40 lb/hour~~	~~24 hours[1]~~		
	175 tons/year	12 months[3]		

[1] Compliance with the short-term emission limit for CO, ~~and VOC~~ shall be based on a 24-hour block average computed in accordance with Specific Condition.19. Compliance with lb/hr SO_2 emissions limitations in this condition will insure compliance with Miami-Dade County Code, Section 24-41.3(2)(a)(i) limiting emissions to 1.2 lb SO_2/MMBtu heat input when solid fuel is fired, or 0.8 lb SO_2/MMBtu heat input when liquid fuel is fired, based on a 24 hour average.
[2] Compliance with the long-term emission limit for CO~~, and VOC~~ shall be based on a 30 operating-day block average computed in accordance with Specific Condition 19.
[3] Compliance with the long-term emission limits for NO_X and VOC shall be based on 12 month rolling total computed in accordance with Specific Condition 19.
[4] VOC emissions shall be expressed as propane.
[5] No Change.
[6] Compliance with the ~~Opacity,~~ PM and PM_{10} permit limits given for in-line kiln/raw mill and ~~will insure compliance with~~ the applicable PM limits from 40 CFR 63, Subpart LLL, by a PM CPMS ~~for the in-line kiln/raw mill, and clinker cooler, and~~ will ensure compliance with visible emissions (opacity) standard without a COMS and will ensure compliance with 40 CFR 60, Subpart Y for the coal mill.
[7] No change
[8] No change.

[Applicant BACT information for CO and request to escape PSD for other criteria pollutants; Rules 62-4.070(3) and 62-212.400, F.A.C.; 40 CFR 63.1343 and 63.1345; ~~Application received April 18, 2005 and revised September 30, 2005; and Application~~ Permit Nos.0250020-030-AC, 0250020-035-AC & 0250020-036-AC; and Application No. 0250020-046-AC]

11. Section III, Specific Condition 19.

19. Continuous Emission Monitoring System: The owner or operator shall install, calibrate, maintain, and operate continuous emission monitoring systems (CEMS) in the in-line kiln/raw mill stack to measure

and record the emissions of NO_X, CO, and VOC from the in-line kiln/raw mill, in a manner sufficient to demonstrate compliance with the emission limits of this permit. The CEMS systems shall express the results in units of pounds per ton of clinker produced and pounds per hour. Emissions of VOC shall be ~~reported~~ measured in units of ~~the standards (~~lb/hour, as propane, ~~lb/ton clinker) and ppmvd as propane corrected to 7% oxygen~~ and reported as tons/12-month period. The owner or operator shall install, calibrate, maintain, and operate a PM CPMS as described in 40 CFR 63, Subpart LLL to demonstrate continuous compliance with the applicable PM emission standards contained therein and in lieu of a COMS.

a. *CO ~~and VOC~~ Compliance Demonstration*: Compliance with the short-term emission limit~~s~~ for CO ~~and VOC~~ shall be based on a 24-hour block average. The 24-hour block shall begin at midnight of each operating day and shall be calculated from 24 consecutive hourly average values. If there are less than 24 hours during the block, the 24-hr block average shall be the average of all valid hourly average values available during the 24 hour block. Compliance with the long-term emission limit~~s~~ for CO ~~and VOC~~ shall be based on a 30 operating-day block average that shall be computed as the arithmetic average of all valid hourly averages occurring within each 30 operating-day block. For purposes of ~~the~~ CO ~~and VOC~~ long-term emission limit~~s~~, an operating day is any day that the kiln produces clinker or fires fuel. The first 30 operating day block shall begin the first operating day on or after January 1, 2006.

b. *NO_X and VOC Compliance Demonstration~~s~~*: Compliance with the long-term NO_X and VOC emission limit~~s~~ shall be based on a 12 month rolling total that shall be recomputed each month as the sum of all NO_X and VOC emitted in tons during that month and the preceding 11 months. The first 12 month period using the revised method shall be March 2013 through February 2014 for NOx and November 1, 2015, through October 31, 2016 for VOC. The actual 12-month NOx and VOC total~~s~~ shall be available by the 15th calendar day of each month. For informational purposes, the permittee shall also record "lb NOx and VOC/ton of clinker produced" based on this NOx and VOC total~~s~~ and the total clinker production for the same 12-month period.

c. *Valid Hourly Averages*: Each hourly average shall be computed as the arithmetic average of the data points generated by the CEM system. Data points must be generated at least once per minute. For an hourly average to be considered valid, at least two data points separated by a period of 15 minutes or more must be used to compute the hourly average.

- Hours during which there is no preheater feed and no fuel fired to the kiln systems are not valid.
- Hours during which the plant is firing fuel but producing no clinker are valid, but, with the exception of reported NOx and VOC emissions, these hours are excluded from the production-normalized emission rate computation (pounds per ton of dry preheater feed or pounds per ton of clinker). These hours are included in any pollutant mass emission rate computation (pounds per hour and tons per year).

d. through e, no change.

[Rule 62-4.070(3), F.A.C.; Permit No~~s~~. 0250020-0~~1~~2~~7~~-AC, ~~and Application No.~~ 0250020-035-AC and 0250020-036-AC; and Application No. 0250020-046-AC]

Permit No. 0250020-025-AC

12. Section III, Subsection B, Specific Condition 4.

4. ~~Coal/Petroleum Coke Maximum Usage: The maximum combined usage of coal and petroleum coke is 30 TPH on a 24-hour block average and 263,000 TPY. The maximum petroleum coke usage rate shall not exceed 20 TPH on a 24-hour block average. Daily records of usage must be kept on site and retained for a minimum of 5 years. [Rule 62-4.070(3), F.A.C.]~~

B. EU 010, 011, 012, 013, and 030 Finish Mills

This section of the permit addresses the following emissions units.

EU No.	Emission Unit Description
010	Finish Mill System: Finish Mill No. 1
011	Finish Mill System: Finish Mill No. 2
012	Finish Mill System: Finish Mill No. 3
013	Finish Mill System: Finish Mill No. 4
030	Finish Mill System: Finish Mill No. 6

{Permitting Note: This emissions unit is subject to NESHAP Subpart A, General Provisions, and Subpart LLL, NESHAP from the Portland Cement Manufacturing Industry, of 40 CFR 63, adopted by reference into Rule 62-204.800(11)(b)48, F.A.C.; NSPS Subpart A, General Provisions, and Subpart F, Standards for performance for Portland Cement Plants, of 40 CFR 60, adopted by reference in Rule 62-204.800(8)(b)9, F.A.C.; and Rule 62-212.400(12)(AVOID PSD), F.A.C.}

COMPLIANCE WITH EXISTING PERMIT CONDITIONS

1. Existing Permits: This permit supplements all existing valid air construction permits. The permittee shall continue to comply with all applicable conditions from valid air construction permits (as incorporated into the current Title V air operation permit), except as modified by this permit. [Rule 62-4.070, F.A.C.]

PERMITS BEING MODIFIED

Permit No. 0250020-035-AC

2. Section III, Subsection A, Specific Condition A.6.

   23. Finish Mill Process Rates: The combined maximum total ~~hourly~~ daily process rate of cement from Finish Mills 1, 2. 3. 4, and 6 shall not exceed 8,616 tons/day, based on a 30 day rolling average ~~359 TPH on a 24-hr block average. The individual process rates are 25 TPH (Finish Mill 1); 25 TPH (Finish Mill 2); 84 TPH (Finish Mill 3), 140 TPH (Finish Mill 4); and 110 TPH (Finish Mill 6).~~ The owner or operator shall record all hourly process rates, and maintain records for a minimum of 5 years. [~~Application received April 18, 2005,~~ Rules 62-4.070(3) & 62-213.440, F.A.C.; ~~Permit No. 0250020-035-AC;~~ and Application No. 0250020-046-AC]

C. EU 014, 015, and 016 Cement Storage Silos, Loadout and Packhouse

This section of the permit addresses the following emissions units.

EU No.	Emission Unit Description
014	Cement Handling System: Cement Storage Silos 1 - 12
015	Cement Handling System: Cement Distribution, Rail and Truck Loadout
016	Cement Handling System: Cement Packhouse

{Permitting Note: This emissions unit is subject to NESHAP Subpart A, General Provisions, and Subpart LLL, NESHAP from the Portland Cement Manufacturing Industry, of 40 CFR 63, adopted by reference into Rule 62-204.800(11)(b)48, F.A.C.; NSPS Subpart A, General Provisions, and Subpart F, Standards for performance for Portland Cement Plants, of 40 CFR 60, adopted by reference in Rule 62-204.800(8)(b)9, F.A.C.; and Rule 62-212.400(12)(AVOID PSD), F.A.C.}

COMPLIANCE WITH EXISTING PERMIT CONDITIONS

1. Existing Permits: This permit supplements all existing valid air construction permits. The permittee shall continue to comply with all applicable conditions from valid air construction permits (as incorporated into the current Title V air operation permit), except as modified by this permit. [Rule 62-4.070, F.A.C.]

PERMITS BEING MODIFIED

Permit No. 0250020-017-AC/PSD-FL-360

2. Section III, Specific Condition 27.

   27. Cement Storage Silo/Packhouse/Loadout Process and Production Design Specifications: The maximum process input rate to each cement silo and loadout operation is 12,000 tons/day, based on a 30 day rolling average ~~500 TPH on a 24-hour block average~~. The maximum production rate of cement in the Packhouse is 4,080 tons/day, based on a 30 day rolling average ~~170 TPH on a 24-hour block average~~. [Permit No. ~~0250020-016-AC &~~ 0250020-017-AC/PSD-FL-360; ~~Requested by applicant April 18, 2005~~ and Application No. 0250020-046-AC.]