

Florida Department of
Environmental Protection

Memorandum

TO: Joseph Kahn

THROUGH: Trina Vielhauer

FROM: A.A. Linero/Teresa Heron

DATE: October 9, 2006

SUBJECT: Titan Pennsuco Facility/Cement Plant – Miami-Dade County
Modification of Air Construction Permit 0250020-017-AC (PSD-FL-360)
DEP File No. 0250020-019-AC

Attached for your review and approval is the Final Permit for the modifications at the Titan Pennsuco Facility/Cement Plant in Medley, Miami-Dade County.

This permit is for the modification of Air Construction Permit 0250020-017-AC issued on December 12, 2005 that authorized a production increase at the cement plant. The new air construction permit reflects the reactivation of Finish Mill No. 2, the update in the information of several process baghouses, and the reduction of PM/PM₁₀ emissions standards for the main kiln/cooler/raw/mill/coal exhaust.

Finish Mill No. 2 will be used only when another Finish Mill is down. Titan recently completed implementation of a facility-wide fugitive dust improvement plan. They have provide us with reasonable assurances that the reductions in permitted limits for the main cement plant baghouse, some additional baghouses in the truck loadout area, coupled with the benefits of the plan will insure they will not increase particulate emissions.

We recommend your approval of the attached Final Permit package.

Attachments

TLV/aal/th

FINAL DETERMINATION

File No. 0250020-019-AC
Tarmac America, LLC
Titan Pennsuco Facility/Cement Plant
Medley, Miami-Dade County

The Department distributed a Public Notice package on September 5, 2006 for the project to revise Permit No. 0250020-017-AC (PSD-FL-360), that earlier authorized a production increase for the dry process cement production line at the Titan Pennsuco Facility/Cement Plant. The primary revisions to that permit include:

- reactivating Finish Mill No. 2 for operation when at least one of the other finish mills is down; updating the information for several process baghouses; and
- reducing PM/PM₁₀ emissions standards for the dry process main kiln/raw mill exhaust.

The Public Notice of Intent to Issue Air Construction Permit was published in the September 22nd issue of the South Florida Business Journal.

No requests for public meetings, administrative hearings or enlargement of time were received. No comments were received from the applicant, the public or other agencies.

The final action of the Department is to issue the permit.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF PERMIT

*In the Matter of an Application
for Air Construction Permit by:*

Mr. Hardy Johnson, President Tarmac America, LLC 445 Fairway Drive Deerfield Beach, Florida 33441	DEP File No. 0250020-019-AC (PSD-FL-360A) Titan Pennsuco Facility/Cement Plant Reactivation of Finish Mill 2 Miami-Dade County, Florida
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Enclosed is the Final Permit 0250020-019-AC (PSD-FL-360A) to revise previous permit 0250020-017-AC (PSD-FL-360). The revision allows reactivation of Finish Mill No. 2 for operation when at least one of the other finish mills is down at the Titan Pennsuco Facility/Cement Plant in Medley, Miami-Dade County. This permit is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Legal Office; 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 of Appeal must be filed within 30 (thirty) days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.



Trina L. Vielhauer, Chief
Bureau of Air Regulation

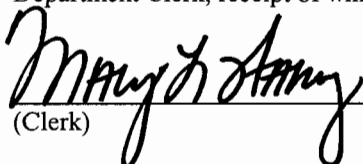
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF FINAL PERMIT (including the FINAL permit) was sent by electronic mail to the Responsible Official (*) and to the other person (s) listed below before the close of business on 10/13/06.

Hardy Johnson, Tarmac America (via e-mail)*
Al Townsend, Titan (via e-mail)
Daniel Crowley, Titan (via e-mail)
Terry Lancaster, Titan (via e-mail)
David A. Buff, P.E., Golder (via e-mail)
Patrick Wong, Miami-Dade DERM (via e-mail)
Darrel Graziani, DEP SED (via e-mail)
Jim Little, EPA Region 4 (via e-mail)
John Bunyak, National Park Service (via e-mail)

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.


(Clerk) 10/13/06
(Date)



Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Colleen M. Castille
Secretary

PERMITTEE:

Tarmac America, LLC.
455 Fairway Drive
Deerfield Beach, Florida 33441

Authorized Representative:
Mr. Hardy Johnson, President

Permit No. 0250020-019-AC (PSD-FL-360A) Titan Florida Pennsuco Cement Plant Facility ID No. 0250020 SIC No. 3241 Finish Mill No. 2 and Miscellaneous Revisions Expires: December 31, 2006
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PROJECT AND LOCATION

The existing Titan Florida Pennsuco Cement Plant is located at 11000 NW 121 Way, Medley, Miami-Dade County. The map coordinates are: UTM coordinates are Zone 17; 562.8 km E; 2861.7 km N. This permit revises original Permit No. 0250020-017-AC (PSD-FL-360), which authorized a production increase for the dry process cement production line. The primary revisions include: reactivating Finish Mill No. 2 for operation when at least one of the other finish mills is down; updating the information for several process baghouses; and reducing PM/PM₁₀ emissions standards for the dry process main kiln/raw mill exhaust. The revisions do not subject the project to further PSD preconstruction review.

STATEMENT OF BASIS

This air 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 above named permittee is authorized to perform the work in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department of Environmental Protection (Department).

ATTACHMENTS

Permit No. 0250020-017-AC (PSD-FL-360) issued December 2, 2005 is attached as part of this permit.

Executed in Tallahassee, Florida

Joseph Kahn, P.E., Director
Division of Air Resource Management

SECTION I. GENERAL INFORMATION

FACILITY DESCRIPTION

Tarmac America LLC operates the Titan Florida Pennsuco facility in Medley, Miami-Dade County, which consists of:

- A 10,000,000 tons per year (TPY) on-site limestone quarry that supplies approximately 3,000,000 TPY to the adjacent cement plant and the remainder to other users;
- A dry process Portland cement plant that consumes up to 3,723,000 TPY of limestone and mineral aggregate and is permitted to produce no more than 2,190,000 TPY of clinker and approximately 2,400,000 TPY of portland cement;
- A ready-mix concrete plant; and
- An 85,000 block per day grey concrete block plant.

REGULATORY CLASSIFICATION

Title III: The existing facility is a potential major source of hazardous air pollutants (HAP).

Title IV: The existing facility operates no units subject to the Acid Rain provisions of the Clean Air Act.

Title V: The existing facility is a "Major Source of Air Pollution or Title V Source" in accordance with the definitions in Rule 62-212.200, F.A.C. and is subject to Chapter 213, F.A.C.

PSD: The existing facility is classified as a "Major Stationary Source" (or PSD-major facility) and is subject to the applicable preconstruction review requirements of Rule 212.400(PSD), F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

NSPS: This existing facility operates units subject to the following New Source Performance Standards in 40 CFR 60 adopted and incorporated by reference in Rule 62-204.800, F.A.C.: Subpart A (General Provisions); Subpart F (Portland Cement Plants); Subpart Y (Coal Preparation Plants); and Subpart OOO (Nonmetallic Mineral Processing Plants).

NESHAP: This facility operates units subject to the following National Emission Standards for Hazardous Air Pollutants in 40 CFR 63 adopted and incorporated by reference in Rule 62-204.800, F.A.C.: Subpart A (General Provisions); and Subpart LLL (Portland Cement Manufacturing Industry).

RELEVANT DOCUMENTS

The documents listed below are not part of this permitting action; however, they are specifically related to the present permitting action:

- Permit No. 0250020-008-AC issued October 21, 1999;
- Permit No. 0250020-010-AC issued May 1, 2001;
- Permit No. 0250020-016-AC issued May 31, 2005;
- Permit No. 0250020-017-AC issued December 2, 2005; and
- Application No. 0250020-019-AC to revise Permit No. 0250020-017-AC (PSD-FL-360) received on February 24, 2006. It was revised and made complete by additional information received on May 1 and August 28, 2006.

EMISSIONS UNITS

This permit addresses the following emissions units at the existing Portland Cement Plant: Finish Mill No. 1 (EU 010); Finish Mill No. 2 (EU 011); Finish Mill No. 3 (EU 012); Finish Mill No. 4 (EU 013); Cement Storage (EU 014); Cement Distribution Rail/Truck Loadout (EU 015); Cement Packhouse (EU 016); Clinker Handling and Storage System (EU 027); Coal and Petroleum Coke Handling System (EU 026); Pyroprocessing and Raw Mill System Operations (EU 028); and Finish Mill No. 6 (EU 030).

SECTION 2. PERMIT REVISIONS

Except for the changes specifically identified in this permit revision, the conditions of Permit No. 0250020-017-AC (PSD-FL-360) are incorporated into this air construction permit revision. The following specific conditions are in addition to, or replace, or modify those of previous Permit 0250020-017-AC (PSD-FL-360), which is attached as part of this permit.

PLACARD PAGE

Permit No. 0250020-019-AC (PSD-FL-360A) revises the expiration date from April 30, 2006 to December 31, 2006. This allows sufficient time to reactivate Finish Mill 2 and process the pending application to renew the Title V air operation permit.

SECTION III. RAW MATERIAL HANDLING SYSTEM

This system addresses the following emissions units.

ARMS E.U. No.	DESCRIPTION
029	Raw Material Handling Operations

Emissions Limitations and Performance Standards

To be consistent with visible emissions monitoring requirements of 40 CFR 63.1350 included in Appendix I of the permit, Permit No. 0250020-019-AC (PSD-FL-360A) revises Specific Condition 4 as follows:

4. **Raw Mill Monitoring:** The owner or operator of a raw mill shall monitor opacity by conducting daily visual emissions observations of the mill sweep and air separator PMCDs (PM control devices) of these affected sources, in accordance with the procedures of Method 22 of Appendix A, 40 CFR Part 60 and as required by 40 CFR63.1350(e), Subpart LLL.

Pursuant to 40 CFR 63.1350(e):

The owner or operator of a raw mill or finish mill shall monitor opacity by conducting daily visual emissions observations of the mill sweep and air separator PMCD of these affected sources in accordance with the procedures of Method 22 of Appendix A to Part 60 of this chapter. The Method 22 test shall be conducted while the affected source is operating at the representative performance conditions. The duration of the Method 22 test shall be 6 minutes. If visible emissions are observed during any Method 22 visible emissions test, the owner or operator must:

- (1) Initiate, within one-hour, the corrective actions specified in the site specific operating and maintenance plan developed in accordance with paragraphs (a)(1) and (a)(2) of this section; and
- (2) Within 24 hours of the end of the Method 22 test in which visible emissions were observed, conduct a follow up Method 22 test of each stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the followup Method 22 test from any stack from which visible emissions were observed during the previous Method 22 test, conduct a visual opacity test of each stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of appendix A to part 60 of this chapter. The duration of the Method 9 test shall be 30 minutes.

[Rules 62-4.070(3) and 40 CFR 63.1350, Monitoring Requirements]

SECTION III. PYROPROCESSING AND RAW MILL SYSTEM

Permit No. 0250020-019-AC (PSD-FL-360A) corrects the emissions unit identification as follows.

ARMS E.U. No.	DESCRIPTION
028	Pyroprocessing and Raw Mill System Operation

Emissions Limitations and Performance Standards

For this emissions unit, Permit No. 0250020-019-AC (PSD-FL-360A) revises Specific Condition 9 to change: the PM emissions standards from 0.067 lb/ton of dry kiln feed to 0.063 lb/ton of dry kiln feed and from 28.5 lb/hr to 26.8 lb/hr; and the PM₁₀ emissions standards from 0.056 lb/ton of dry kiln feed to 0.053 lb/ton of dry kiln feed and from 23.9 lb/hr to 22.5 lb/hr. The condition is revised as follows.

SECTION 2. PERMIT REVISIONS

9. 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:

PARAMETER	EMISSION LIMIT	AVERAGING TIME	COMPLIANCE METHOD	LIMIT BASIS
PM ⁶	0.063 lb/ton of dry kiln feed	3 hours ⁵	Annual Method 5	PTE, Avoid PSD 40 CFR Subpart LLL
	26.8 lb/hr			
PM ₁₀ ⁶	0.053 lb/ton of dry kiln feed	3 hours ⁵	Annual Method 5	PTE, Avoid PSD 40 CFR Subpart LLL
	22.5 lb/hr			

Only the PM/PM₁₀ portion of the table is shown. No changes were made to the notes after the table.

Test Methods, Monitoring and Procedures

Permit No. 0250020-019-AC (PSD-FL-360A) revises the second sentence of Specific Condition 14e from "... valid hourly averages for 90 percent or more of the operating hours ..." to "... valid hourly averages for 95 percent or more of the operating hours ...". This correction is consistent with the first sentence, which identifies "95 percent". The condition is revised as follows.

14. Continuous Emission Monitoring Systems:

- e. *Data Availability*: During each semiannual (six-month) period, CEM system valid hourly averages shall be obtained for at least 95 percent of the operating hours for which the plant is producing clinker. If the CEM system does not obtain valid hourly averages for 95 percent or more of the operating hours per semiannual period for which the plant is producing clinker, the permittee shall also submit a continuous monitoring system performance report with the semiannual excess emissions report. This report must include corrective actions, and it shall be submitted within 30 days following the end of each semiannual reporting period.

[Permit No AC-0250020-017-AC, issued December 12, 2005; Applicant's request dated February 24, 2006]

Permit No. 0250020-019-AC (PSD-FL-360A) revises Specific Condition 16 to clarify the mercury sampling, analysis, and monitoring procedures. The condition is revised as follows.

16. Mercury Compliance Demonstration: The owner or operator shall demonstrate compliance with the mercury throughput limitation by material balance and maintaining records of the monthly and rolling 12-month mercury throughput. The following sampling and analytical procedures shall be used:

Samples of the raw mill feed and all fuels shall be collected each day. A single composite daily sample shall be made from all samples collected during a day. A monthly composite sample shall be made from each of the daily composite samples.

Each monthly composite sample shall be analyzed to determine the representative mercury concentration for the month.

For each composite sample, the monthly mercury throughput rate (pounds per month) shall be the product of the mercury concentration from the monthly composite sample and the corresponding monthly processing rate.

For each month, the mass of mercury introduced into the pyroprocessing system (pounds per month) shall be the sum of the monthly mercury throughput rates for each raw material and fuel.

The consecutive 12-month mercury throughput rate shall be the sum of the individual monthly records for the current month and the preceding eleven months (pounds of mercury per consecutive 12-months). Such records, including calculations and data, shall be completed no later than 25 days following the month of the records. The first 12-month rolling period shall begin on August 1, 2006.

The analytical methods used to determine mercury concentration shall be EPA or ASTM methods such as EPA Method 7471A (Mercury in Solid or Semisolid Waste). No other methods may be used unless prior written approval is received from the Department. If the mercury concentration is below detection limit or below the limits of quantification, the detection limit will be assumed for the concentration of the raw material or fuel, the permittee shall report the detection limit as the corresponding level.

SECTION 2. PERMIT REVISIONS

[Rules 62-4.070(3) and 62-212.400(2)(g), F.A.C.]

SECTION III. CLINKER HANDLING & STORAGE SYSTEM

This system addresses the following emissions unit.

ARMS E.U. No.	DESCRIPTION
027	Clinker Handling & Storage System

The clinker handling operations are controlled by the following baghouses:

For this emissions unit, Permit No. 0250020-019-AC (PSD-FL-360A) adds Baghouse #K-447 to control storage clinker silo 17 as reflected in the following table.

EMISSION POINT	DESCRIPTION
Baghouse I. D: 441.BF540	Conveyance/transfer from cooler to new clinker silos and off-spec silo
Baghouse I. D: 481.BF140	Conveyance/transfer/storage for new clinker silos and off-spec silo
Baghouse I. D: 481.BF330	Storage from off-spec silo and conveyance from new clinker silos
Baghouse I. D: 481.BF540	Conveyance from new clinker silos and off-spec silo to old clinker storage
Baghouse I. D: 481.BF640	Conveyance from new clinker and off-spec silos to old clinker storage area
Baghouse I. D: 481.BF730	Conveyance/transfer to old clinker area and storage clinker silos 2, 5, 18
Baghouse I. D: 481.BF930	Storage clinker silos 21, 22, 26, 27
Baghouse I.D: F-633	Storage clinker silos 12, 19, 20, 23 , 28
Baghouse K-447	Storage clinker silo 17

SECTION III. FINISH MILLS SYSTEM

Permit No. 0250020-019-AC (PSD-FL-360A) adds Finish Mill No. 2 (EU 011) as a backup to operate when at least one of the other finish mills is down. Also, the Emissions Unit identification for Finish Mill No. 1 was corrected from "011" to "010", consistent with the Emissions Unit table in Section I of the permit. The revisions are reflected in the following table.

This system addresses the following emissions units.

ARMS E.U. No.	DESCRIPTION
010	Finish Mill No. 1
011	Finish Mill No. 2
012	Finish Mill No. 3
013	Finish Mill No. 4
030	Finish Mill No. 6

Permit No. 0250020-019-AC (PSD-FL-360A) adds the following baghouses: #F-213 and #F-230 for the control of Finish Mill No. 2; and #516.BF510 for the control of Finish Mill No. 6. Also, Baghouse #F-728 was renamed #F-730 for the control of Finish Mill No. 4. The revisions are reflected in the following Emissions Point table.

The finish mill handling operations are controlled by the following baghouses.

EMISSION POINT	DESCRIPTION
Baghouse I.D. F-113	Dust collector – Finish Mill No. 1 – Feeder
Baghouse I.D. F-130	Dust collector – Finish Mill No. 1 – Mill Sweep
Baghouse I.D. F-213	Dust collector – Finish Mill No. 2 – Feeder
Baghouse I.D. F-230	Dust collector – Finish Mill No. 2 – Mill Sweep
Baghouse I.D. F-313	Dust collector – Finish Mill No. 3 – Feeder

SECTION 2. PERMIT REVISIONS

Baghouse I.D. F-332	Dust collector – Finish Mill No. 3 – Mill Sweep
Baghouse I.D. 533.BF340	Dust collector – Finish Mill No. 3 - O-Sepa Cement Separator
Baghouse I.D. F-432	Dust collector – Finish Mill No. 4 - Belt conveyor/Separator
Baghouse I.D. F-430	Dust collector – Finish Mill No. 4 - Ball Mill/Mill Sweep
Baghouse I.D. F-730	Dust collector – Finish Mill No. 4 – O-Sepa Cement Separator
Baghouse I.D. 536.BF340	Dust collector – Finish Mill No. 6 - O-Sepa Cement Separator
Baghouse I.D. 536.BF500	Dust collector – Finish Mill No. 6 – Sweep
Baghouse I.D. 516.BF510	Dust collector – Finish Mill No. 6 – Feeder

Monitoring Requirements

Permit No. 0250020-019-AC (PSD-FL-360A) revises Specific Condition 22 to include the operational restriction that Finish Mill No. 2 will not operate unless one of the other finish mills is not in operation. The condition is revised as follows.

22. **Hours of Operation:** These emissions unit system is allowed to operate 8,760 hours per year. Finish Mill No. 2 (EU 011) shall not operate unless one of the other Finish Mills is not in operation. [Permit No. 0250020-017-AC (PSD-FL-360); Application No. 0250020-019-AC]

Permit No. 0250020-019-AC (PSD-FL-360A) revises Specific Condition 23 to relate the maximum process rate to the corresponding finish mill and include the maximum process rates for Finish Mill Nos. 2 and 6. The condition is revised as follows.

23. **Finish Mill Process Rates:** The maximum total hourly process rate of cement is 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.

Permit No. 0250020-019-AC (PSD-FL-360A) revises Specific Condition 24 to correctly identify the design outlet loadings for the finish mill baghouses and revises the potential PM emissions from 133.83 TPY to 136.15 TPY. The condition is revised as follows.

24. **Visible Emissions Limits**

{Note: The applicant advised that the baghouses are designed to control particulate emissions to 0.0095 grains/dry standard cubic foot (gr/dscf) and 0.01 gr/acf (F-113; F-130; F-213; F-230; F-313; F-332; F-430; and F-432). The 5% opacity limitation is consistent with this design and provides reasonable assurance that annual emissions of PM/PM₁₀ for all emission points in this emission unit system will be less than 136.15 TPY. This annual emission estimate is part of the facility-wide netting calculation to escape PSD applicability for PM/PM₁₀. Exceedance of the 5% opacity limit shall be deemed an exceedance of this permit condition and not necessarily an exceedance of the opacity limitations given in 40 CFR 63, Subpart LLL}

To be consistent with visible emissions monitoring requirements of 40 CFR 63.1350 included in Appendix I of the permit, Permit No. 0250020-019-AC (PSD-FL-360A) revises Specific Condition 25 as follows:

25. **Finish Mill Monitoring:** The owner or operator of a raw mill shall monitor opacity by conducting daily visual emissions observations of the mill sweep and air separator PMCDs (PM control devices) of these affected sources, in accordance with the procedures of Method 22 of Appendix A, 40 CFR Part 60 and as required by 40 CFR 63.1350(e), Subpart LLL.

Pursuant to 40 CFR 63.1350(e):

The owner or operator of a raw mill or finish mill shall monitor opacity by conducting daily visual emissions observations of the mill sweep and air separator PMCDs of these affected sources in accordance with the procedures of Method 22 of Appendix A to Part 60 of this chapter. The Method 22 test shall be conducted while the affected source is operating at the representative performance conditions. The duration of the Method 22 test shall be 6 minutes. If visible emissions are observed during any Method 22 visible emissions test, the owner or operator must:

SECTION 2. PERMIT REVISIONS

- (1) Initiate, within one-hour, the corrective actions specified in the site specific operating and maintenance plan developed in accordance with paragraphs (a)(1) and (a)(2) of this section; and
- (2) Within 24 hours of the end of the Method 22 test in which visible emissions were observed, conduct a follow up Method 22 test of each stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the followup Method 22 test from any stack from which visible emissions were observed during the previous Method 22 test, conduct a visual opacity test of each stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of Appendix A to part 60 of this chapter. The duration of the Method 9 test shall be 30 minutes.

[Rules 62-4.070(3) and 40 CFR 63.1350, Monitoring Requirements]

SECTION III. CEMENT PRODUCTS STORAGE SILOS/ PACKHOUSE/ LOADOUT SYSTEM

This system addresses the following emissions units.

ARMS E.U. No.	DESCRIPTION
014	Cement Storage
015	Cement Distribution Rail/Truck Loadout
016	Cement Packhouse

Permit No. 0250020-019-AC (PSD-FL-360A) renames Baghouse #B-205 as #B-200. The revision is reflected in the following table.

The cement handling operations are controlled by the following baghouses:

EMISSION POINT	DESCRIPTION
Baghouse I.D. F-511	Dust collector - Cement Silos 1-6
Baghouse I.D. F-512	Dust collector - Cement Silos 7-9
Baghouse I.D. F-513	Dust collector - Cement Silo 10
Baghouse I.D. F-514	Dust collector - Cement Silo 11
Baghouse I.D. F-515	Dust collector - Cement Silo 12
Baghouse I.D. B-110	Dust collector - Bulk Loadout Unit 1 (Rail/Truck).
Baghouse I.D. B-210	Dust collector - Bulk Loadout Unit 2 (Truck).
Baghouse I.D. VL002	Dust collector - Bulk Loadout Unit 2 - Line 2 (Truck Loadout Operation)
Baghouse I.D. B-372	Dust collector - Bulk Loadout Unit 3 - Line 1
Baghouse I.D. B-374	Dust collector - Bulk Loadout Unit 3 - Line 2
Baghouse I.D. B-382	Dust collector - Bulk Loadout Unit 3 - Line 3
Baghouse I.D. VL003	Dust collector - Bulk Loadout Unit 3 - Line 3 (Truck Loadout Operation)

SECTION 2. PERMIT REVISIONS

EMISSION POINT	DESCRIPTION
Baghouse I.D. B-120	Dust collector – Packhouse
Baghouse I.D. B-200	Dust collector – Packhouse
Baghouse I.D. B-400	Dust collector – Packhouse

SECTION III. CEMENT PLANT COAL HANDLING SYSTEM

This system addresses the following emissions unit.

ARMS E.U. No.	DESCRIPTION
026	Coal and Petroleum Coke Handling System

The provisions of 40 CFR 60 Subpart Y, Standards of Performance for Coal Preparation Plants and 40 CFR 60, Subpart A-General Provisions are applicable to this process emissions unit system (Appendix H attached).

Permit No. 0250020-019-AC (PSD-FL-360A) renames Baghouse #461-BF300 as #461-BF500 and revises the potential PM/PM₁₀ emissions in the note to this table. The condition is revised as follows.

The coal handling operations are controlled by the following baghouses:

EMISSION POINT	DESCRIPTION
Baghouse I.D. 461-BF500	Coal Mill ¹
Baghouse I.D. 461-BF130	Coal Feed Bin
Baghouse I.D. 461-BF230	Petroleum Coke Feed Bin
Baghouse I.D. 461-BF750	Coke/Petroleum Coke (Transfer) Surge Bin Feeder
Baghouse I.D. 461-BF650	Coal (Transfer) / Surge Bin (Feeder)
Baghouse I.D. 461.BF350	Coal Mill Feed

¹ This emissions unit discharges to the common (main) stack. The Clinker Cooler which is limited to 10% opacity, discharges to the common (main) stack and therefore determines the opacity limit for this emissions unit. Total PM/PM₁₀ emissions from Pyroprocessing/Raw Mill/Coal Mill Systems shall not exceed 117 and 99 TPY respectively.

All of the above process emissions units are subject to 40 CFR 60, Subpart Y, NSPS for Coal Preparation Plants (Appendix H attached).

Emissions Limitations and Performance Standards

Permit No. 0250020-019-AC (PSD-FL-360A) revises Specific Condition 31 to rename Baghouse #461-BF300 as #461-BF500 and revise the potential PM₁₀ emissions from 110 TPY to 99 TPY. The condition is revised as follows.

31. Visible Emissions Limits: Visible emissions are limited to 5 percent from each of the above listed baghouses. Compliance shall be demonstrated by EPA Reference Method 9 and the procedures specified in 40 CFR 60.11.

For the coal mill main, baghouse 461-BF500, the opacity shall not exceed 10%. Compliance shall be demonstrated pursuant to EPA Reference Method 9. Annual emissions of PM₁₀ for the kiln/cooler/coal mill main stack shall not exceed 99 TPY.

Harvey, Mary

From: Heron, Teresa
Sent: Thursday, October 12, 2006 4:50 PM
To: Harvey, Mary
Cc: Adams, Patty
Subject: Titan Permit
Attachments: FDETER019AC.doc; FinalTarmac- 019AC.doc; NOTICE019AC.doc

Patty/Mary:

These are some of the e-mails that you may not have. The others should be already generated in your computer. The attachment is the permit that we already issued.

Thanks, Teresa

dcrowley@titanamerica.com

tlancaster@titanamerica.com

dbuff@golder.com

Muthim@miamidade.gov

hjohnson@titanamerica.com

Atownsend@titanamerica.com

Adams, Patty

From: Harvey, Mary
Sent: Tuesday, November 28, 2006 1:40 PM
To: Adams, Patty
Subject: FW: Tarmac America #250020-019-AC-F

From: Crowley Daniel [<mailto:DCrowley@titanamerica.com>]
Sent: Monday, November 27, 2006 3:59 PM
To: Harvey, Mary
Subject: Read: Tarmac America #250020-019-AC-F

Your message

To: DCrowley@titanamerica.com
Subject:

was read on 11/27/2006 3:59 PM.

Harvey, Mary

From: Exchange Administrator
Sent: Friday, October 13, 2006 2:41 PM
To: Harvey, Mary
Subject: Delivery Status Notification (Relay)

Attachments: ATT55964.txt; Tarmac America #250020-019-AC-F



ATT55964.txt (732 B) Tarmac America
#250020-019-AC-...

This is an automatically generated Delivery Status Notification.

Your message has been successfully relayed to the following recipients, but the requested delivery status notifications may not be generated by the destination.

hjohnson@titanamerica.com
tlancaster@titanamerica.com
atownsend@titanamerica.com
dcrowley@titanamerica.com

Harvey, Mary

From: Exchange Administrator
Sent: Friday, October 13, 2006 1:53 PM
To: Harvey, Mary
Subject: Delivery Status Notification (Relay)

Attachments: ATT52477.txt; Tarmac America - Permit #0250020-19-AC-FINAL



ATT52477.txt (465 B) Tarmac America -
Permit #02500...

This is an automatically generated Delivery Status Notification.

Your message has been successfully relayed to the following recipients, but the requested delivery status notifications may not be generated by the destination.

DBUFF@GOLDER.COM

Harvey, Mary

From: Buff, Dave [DBuff@GOLDER.com]
Sent: Friday, October 13, 2006 1:54 PM
Subject: Read: Tarmac America - Permit #0250020-19-AC-FINAL

Your message

To: DBuff@GOLDER.com
Subject:

was read on 10/13/2006 1:54 PM.

Harvey, Mary

From: Graziani, Darrel
To: Harvey, Mary
Sent: Friday, October 13, 2006 2:31 PM
Subject: Read: Tarmac America - Permit #0250020-19-AC-FINAL

Your message

To: hjohnson@titanamerica.com; Atownsend@titanamerica.com; dcrowley@titanamerica.com; tlancaster@titanamerica.com; DBUFF@GOLDER.COM; Muthim@miamidade.gov; wongp@co.miami-dade.fl.us; Graziani, Darrel; Little.James@epamail.epa.gov; JOHN_BUNYAK@NPS.GOV
Cc: Heron, Teresa; Adams, Patty; Gibson, Victoria
Subject: Tarmac America - Permit #0250020-19-AC-FINAL
Sent: 10/13/2006 1:52 PM

was read on 10/13/2006 2:31 PM.

Harvey, Mary

From: Muthiah, Mallika (DERM) [MuthiM@miamidade.gov]
Sent: Friday, October 13, 2006 2:21 PM
To: Harvey, Mary
Subject: RE: Tarmac America - Permit #0250020-19-AC-FINAL

Mallika Muthiah, P.E., Chief
Air Facilities Section
Miami-Dade County Environmental Resources Management
Tel.: 305-372-6921
Fax: 305-372-6954
www.miamidade.gov/DERM

"Delivering Excellence Every Day"

Miami-Dade County is a public entity subject to Chapter 119 of the Florida Statutes concerning public records. E-mail messages are covered under such laws and thus subject to disclosure.

-----Original Message-----

From: Harvey, Mary [mailto:Mary.Harvey@dep.state.fl.us]
Sent: Friday, October 13, 2006 1:52 PM
To: hjohnson@titanamerica.com; Atownsend@titanamerica.com; dcrowley@titanamerica.com; tlancaaster@titanamerica.com; DBUFF@GOLDER.COM; Muthiah, Mallika (DERM); wongp@co.miami-dade.fl.us; Graziani, Darrel; Little.James@epamail.epa.gov; JOHN_BUNYAK@NPS.GOV
Cc: Heron, Teresa; Adams, Patty; Gibson, Victoria
Subject: Tarmac America - Permit #0250020-19-AC-FINAL

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site: <http://www.adobe.com/products/acrobat/readstep.html>.

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record.

Thank you,

DEP, Bureau of Air Regulation

Harvey, Mary

From: Lancaster Terry [tlancaster@titanamerica.com]
Sent: Friday, October 13, 2006 3:11 PM
To: Harvey, Mary; Johnson Hardy; Townsend Al; Crowley Daniel
Cc: Heron, Teresa; Adams, Patty; Gibson, Victoria
Subject: RE: Tarmac America #250020-019-AC-F

Mary,

Thank you..
Terry Lancaster

*Environmental Manager
Florida - Business Unit
561-504-6787
954-425-4227*

From: Harvey, Mary [mailto:Mary.Harvey@dep.state.fl.us]
Sent: Friday, October 13, 2006 2:40 PM
To: Johnson Hardy; Lancaster Terry; Townsend Al; Crowley Daniel
Cc: Heron, Teresa; Adams, Patty; Gibson, Victoria
Subject: Tarmac America #250020-019-AC-F

Distribution email standard language:

As set forth below, the following standard email language will accompany each electronic distribution of permit documents:

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site: <http://www.adobe.com/products/acrobat/readstep.html>.

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Thank you,

DEP, Bureau of Air Regulation

10/13/2006