# Florida Department of Environmental Protection

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

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary


**NOTICE OF PERMIT AMENDMENT**

Mr. Harrinarine Mootoor, Plant Manager
Vulcan Materials Company/Florida Rock Division
d/b/a Florida Cement, Inc. – Port Manatee
2001 Maritime Blvd.
Tampa, FL 33605-6760

Re: Amendment for receiving and handling phosphate rock
DEP Project File No.: 0810011-015-AC
Reference DEP Permit No.: 0810011-013-AC

Dear Mr. Mootoor:

On August 29, 2011, the Department received your letter requesting an amendment to Air Construction Permit No. 0810011-013-AC. This permit was issued on April 23, 2010, and is for a portland cement finish grinding plant located at 304 National Street in Palmetto, Florida. Specifically, the amendment is necessary to allow the facility to: 1) receive phosphate rock by ship; 2) transfer the phosphate rock received by ships/barges via hoppers and conveyor belts to the Clinker & Wet Fly Ash Storage Building; and 3) transfer the phosphate rock in the Clinker & Wet Fly Ash Storage Building into trucks for export. Since the amount of phosphate rock will off-set the amount of clinker received/exported and the potential emissions when handling phosphate rock is less than when handling clinker, these changes do not trigger the definition of a "modification" or require an air construction permit. Therefore, as requested, the following amendments are hereby made as follows:

<u>Add to the end of the list of modifications on Page No. 4:</u>

- Allow the facility to receive by ship and export via truck a maximum of 400,000 tons of phosphate rock per any consecutive 12-month period.
- The amount of phosphate rock received by ship and the amount of clinker received by ship shall not exceed a total of 1,264,000 tons per any consecutive 12-month period.
- The amount of phosphate rock exported by truck and the amount of clinker for non-cement production exported by truck shall not exceed a total of 400,000 tons per any consecutive 12-month period.

<u>Changes to Pages 4 and 5:</u>

FROM: For the operation of a facility that consists of a Portland Cement Finish Grinding Plant and other non-produced cement materials handling operations. Additional details of the facility are as follows:

- The facility is considered a synthetic non-PSD major source for the pollutant particulate matter (PM).
- The facility is considered a synthetic non-Title V source for the pollutant particulate matter ($PM_{10}$) with an aerodynamic diameter less than or equal to a nominal 10 micrometers.
- The Portland Cement Finish Grinding Plant and its associated emission activities related to producing cement are subject to the New Source Performance Standards (NSPS) requirements of Title 40, Code of Federal Regulation (CFR), Subpart F - Standards of Performance for Portland Cement Plants, which is adopted by reference in Rule 62-204.800(8), F.A.C.
- The facility receives a maximum of the following materials per any consecutive 12-month period:

  864,000 tons of Clinker for cement production received by railcar, ship, or truck.
  400,000 tons of Clinker for non-cement production received by railcar, ship, or truck.
  86,400 tons of Gypsum (natural or synthetic) for cement production received by ship or truck.
  22,000 tons of Limestone/Slag for cement production received by truck.
  150,000 tons of Wet Fly Ash for non-cement production received by ship or truck.
  250,000 tons of Dry Fly Ash for non-cement production received by truck or ship.
  200,000 tons of Non-Produced Cement received by truck or ship.

- The facility exports a maximum of the following materials per any consecutive 12-month period:

  864,000 tons of Produced Cement by ship or truck.
  200,000 tons of Non-Produced Cement by ship or truck.
  400,000 tons of Clinker by ship or truck.
  86,400 tons of Gypsum by truck.
  150,000 tons of Wet Fly Ash by truck.
  250,000 tons of Dry Fly Ash by ship or truck.

- The emission factors used to determine un-controlled emissions from processing material are as follows:

| | PM<br>lbs./ton | $PM_{10}$<br>lbs./ton |
|---|---|---|
| Limestone/Slag | 0.000790 | 0.000374 |
| Wet Fly Ash | 0.000272 | 0.000129 |
| Dry Fly Ash | 0.302 | 0.143 |
| Gypsum | 0.000479 | 0.000227 |
| Cement/Clinker | 0.1146 | 0.0542 |

TO: For the operation of a facility that consists of a Portland Cement Finish Grinding Plant and other non-produced cement materials handling operations. Additional details of the facility are as follows:

- The facility is considered a synthetic non-PSD major source for the pollutant particulate matter (PM).
- The facility is considered a synthetic non-Title V source for the pollutant particulate matter ($PM_{10}$) with an aerodynamic diameter less than or equal to a nominal 10 micrometers.
- The Portland Cement Finish Grinding Plant and its associated emission activities related to producing cement are subject to the New Source Performance Standards (NSPS) requirements of Title 40, Code of Federal Regulation (CFR), Subpart F - Standards of Performance for Portland Cement Plants, which is adopted by reference in Rule 62-204.800(8), F.A.C.
- The facility receives a maximum of the following materials per any consecutive 12-month period:

  864,000 tons of Clinker for cement production received by railcar, ship, or truck.
  400,000 tons of Clinker for non-cement production received by railcar, ship, or truck.
  400,000 tons of phosphate rock per any consecutive 12-month period. {The amount of phosphate rock received by ship and the amount of clinker received by ship shall not exceed a total of 1,264,000 tons per any consecutive 12-month period.}
  86,400 tons of Gypsum (natural or synthetic) for cement production received by ship or truck.
  22,000 tons of Limestone/Slag for cement production received by truck.
  150,000 tons of Wet Fly Ash for non-cement production received by ship or truck.
  250,000 tons of Dry Fly Ash for non-cement production received by truck or ship.
  200,000 tons of Non-Produced Cement received by truck or ship.

- The facility exports a maximum of the following materials per any consecutive 12-month period:

  864,000 tons of Produced Cement by ship or truck.
  200,000 tons of Non-Produced Cement by ship or truck.
  400,000 tons of Clinker by ship or truck.
  400,000 tons of phosphate rock per any consecutive 12-month period. {The amount of phosphate rock exported by truck and the amount of clinker for non-cement production exported by truck shall not exceed a total of 400,000 tons per any consecutive 12-month period.}
  86,400 tons of Gypsum by truck.
  150,000 tons of Wet Fly Ash by truck.
  250,000 tons of Dry Fly Ash by ship or truck.

- The emission factors used to determine un-controlled emissions from processing material are as follows:

| | PM<br>lbs./ton | $PM_{10}$<br>lbs./ton |
|---|---|---|
| Limestone/Slag | 0.000790 | 0.000374 |
| Wet Fly Ash | 0.000272 | 0.000129 |
| Dry Fly Ash | 0.302 | 0.143 |
| Gypsum | 0.000479 | 0.000227 |
| Cement/Clinker | 0.1146 | 0.0542 |
| Phosphate Rock | 0.0037 | 0.0018 |

Changes to descriptions in Table for E.U. ID Nos. 041 and 044 on Page 6:

**E.U. ID No. 041**

FROM: Wet Fly Ash received by Ships to Clinker & Wet Fly Ash Storage Building

TO: Wet Fly Ash and Phosphate Rock received by Ships to Clinker & Wet Fly Ash Storage Building

**E.U. ID No. 044**

FROM: Truck Loading of Clinker/Wet Fly Ash/Gypsum for Export

TO: Truck Loading of Clinker/Wet Fly Ash/Gypsum/Phosphate Rock for Export

Changes to descriptions in EMISSION SOURCE in Table for E.U. Nos. 041 and 044 on Page 8:

FROM: E.U. 041: Wet Fly Ash received by Ships to Clinker & Wet Fly Ash Storage Building

TO: E.U. 041: Wet Fly Ash and Phosphate Rock received by Ships to Clinker & Wet Fly Ash Storage Building

FROM: E.U. 044: Truck Loading of Clinker/Wet Fly Ash/Gypsum for Export

TO: E.U. 044: Truck Loading of Clinker/Wet Fly Ash/Gypsum/Phosphate Rock for Export

Changes to the 1st paragraph of the description for Emission Unit No. 025's on Page 13:

FROM: Clinker is unloaded from ships/barges at a maximum transfer rate of 800 tons/hr. based on a daily average and 1,264,000 tons per any consecutive 12-month period using unloading devices (i.e., clamshell) and transferred to the Clinker & Wet Fly Ash Storage Building.

TO: Clinker is unloaded from ships/barges at a maximum transfer rate of 800 tons/hr. based on a daily average and 1,264,000 tons per any consecutive 12-month period using unloading devices (i.e., clamshell) and transferred to the Clinker & Wet Fly Ash Storage Building. See Emission Unit No. 041 since, the amount of phosphate rock received by ship/barges and the amount of clinker received by ship/barges shall not exceed a total of 1,264,000 tons per any consecutive 12-month period.

Specific Condition No. A.2. on Page 14:

FROM: Permitted Capacity: This emission unit unloads clinker from ships/barges at a maximum rate of 800 tons/hr. based on a daily average and 1,264,000 tons per any consecutive 12-month period.
[Rule 62-210.200 (PTE), F.A.C.]

TO: Permitted Capacity: This emission unit unloads clinker from ships/barges at a maximum rate of 800 tons/hr. based on a daily average and 1,264,000 tons per any consecutive 12-month period. The amount of phosphate rock received by ships/barges in Emission Unit No. 041 and the amount of clinker received by ships/barges shall not exceed a total of 1,264,000 tons per any consecutive 12-month period.
[Rule 62-210.200 (PTE), F.A.C.]

Add Specific Condition No. A.12.k. to Specific Condition No. A.12. on Page 19:

ADD: Most recent consecutive 12-month total amount of clinker transferred to the West and East Hoppers plus the most recent consecutive 12-month total amount of phosphate rock received by Emission Unit No. 041 in tons. (also see Specific Condition No. O.11.t.)

Change to description of E.U. ID No. 041 on Pages 73 and 74:

FROM:

| E.U. ID No. | Brief Description |
|---|---|
| 041 | Wet Fly Ash received by Ships to Clinker & Wet Fly Ash Storage Building |

Wet fly ash is unloaded from ships/barges at a maximum transfer rate of 800 tons/hr. based on a daily average and 150,000 tons per any consecutive 12-month period using unloading devices (i.e., clamshell) and transferred to the Clinker & Wet Fly Ash Storage Building.

Wet fly ash in the holds of a ship/barge is removed by clamshell(s) and transferred to a West Hopper and/or East Hopper. Emissions from the top of the West Hopper are controlled by two (2) BHA Pulse Jet Cartridge, Model 505-4320, baghouses identified as Baghouse BH1A (west) and Baghouse BH1B (east). Baghouses BH1A and BH1B are each rated at 15,000 acfm and 14,417 dscfm. Emissions from the top of the East Hopper are controlled by a BHA Pulse Jet Cartridge, Model 505-4322, baghouse designated as Baghouse BH2A (west) rated at 15,000 acfm and 14,417 dscfm along with a Fuller

baghouse designated as Baghouse BH2B (east) rated at 12,000 acfm and 11,534 dscfm. Baghouses BH1A, BH1B, BH2A, and BH2B also serve Emission Unit Nos. 025, 038, and 048. Baghouse BH1A also serves Emission Unit Nos. 039, 047, 049, and 050. Baghouse BH1B also serves Emission Unit Nos. 040, 047, and 051. Baghouse BH2B also serves Emission Unit No. 047.

Wet fly ash in the hoppers is transferred to common conveyor belt (Belt No. 7) that moves first under the West Hopper and then under the East Hopper. The two (2) baghouse associated with each hopper also control emissions as the material from the hoppers transfers to Belt No. 7.

The West Hopper and East Hopper are each able to travel east and west above a portion of Belt No. 7, that portion of the belt does not have 180 degree top covers to prevent unconfined emissions.

Wet fly ash on Belt No. 7 is then transferred to Belt No. 6. Emissions are controlled by a Fuller, Model 36D510, baghouse designated as Baghouse BH15 and rated at 3,000 acfm and 2,883 dscfm.

Wet fly ash on Belt No. 6 is then transferred to Belt No. 5. Emissions are controlled by a Fuller, Model 36D510, baghouse designated as Baghouse BH16 and rated at 3,000 acfm and 2,883 dscfm.

Wet fly ash on Belt No. 5 is then transferred to Incline Belt No. 4. Emissions are controlled by Fuller, Model 48D510, baghouse designated as Baghouse BH17 and rated at 4,000 acfm and 3,845 dscfm.

Wet fly ash on Incline Belt No. 4 is then transferred to Transfer Tower No. 1. Emissions are controlled by a DCE Dalamatic, Model DLM V20/10 F5, baghouse designated as Baghouse BH4 and rated at 2,000 acfm and 1,922 dscfm. Note, Baghouse BH4 also serves Emission Unit Nos. 025 and 026.

Wet fly ash from Transfer Tower No. 1 is then transferred to Incline Belt No. 3. Emissions are controlled by a Mikro Pulsaire, Model 255-8-30, baghouse designated as BH5 and rated at 2,500 acfm and 2,403 dscfm. Note, Baghouse BH5 also serves Emission Unit Nos. 025 and 026.

Wet fly ash from Incline Belt No. 3 is transferred to Belt No. 2 inside Transfer Tower No. 2. Emissions are controlled by a Fuller, Model No. 80-23451-325, baghouse designated as BH6 and rated at 4,000 acfm and 3,845 dscfm. Note, Baghouse BH6 also serves Emission Unit Nos. 025 and 026.

Wet fly ash from Belt No. 2 is then transferred to Shuttle Belt No. 1 located inside and along the roof of the Clinker & Wet Fly Ash Storage Building where the shuttle belt drops the wet fly ash onto storage piles. Emissions are controlled by a DCE Dalamatic, Model DLM V20/10 F5, baghouse designated as BH7 and rated at 2,000 acfm and 1,959 dscfm. Note, Baghouse BH7 also serves Emission Unit Nos. 025, 026, 044, and 047.

TO: E.U. ID No. Brief Description

041 Wet Fly Ash and Phosphate Rock received by Ships to Clinker & Wet Fly Ash Storage Building

Wet fly ash is unloaded from ships/barges at a maximum transfer rate of 800 tons/hr. based on a daily average and 150,000 tons per any consecutive 12-month period using unloading devices (i.e., clamshell) and transferred to the Clinker & Wet Fly Ash Storage Building.

Phosphate rock is unloaded from ships/barges at a maximum transfer rate of 800 tons/hr. based on a daily average and 400,000 tons per any consecutive 12-month period using unloading devices (i.e., clamshell) and transferred to the Clinker & Wet Fly Ash Storage Building.

Wet fly ash or phosphate rock in the holds of a ship/barge is removed by clamshell(s) and transferred to a West Hopper and/or East Hopper. Emissions from the top of the West Hopper are controlled by two (2) BHA Pulse Jet Cartridge, Model 505-4320, baghouses identified as Baghouse BH1A (west) and Baghouse BH1B (east). Baghouses BH1A and BH1B are each rated at 15,000 acfm and 14,417 dscfm. Emissions from the top of the East Hopper are controlled by a BHA Pulse Jet Cartridge, Model 505-4322, baghouse designated as Baghouse BH2A (west) rated at 15,000 acfm and 14,417 dscfm along with a Fuller baghouse designated as Baghouse BH2B (east) rated at 12,000 acfm and 11,534 dscfm. Baghouses BH1A, BH1B, BH2A, and BH2B also serve Emission Unit Nos. 025, 038, and 048. Baghouse BH1A also serves Emission Unit Nos. 039, 047, 049, and 050. Baghouse BH1B also serves Emission Unit Nos. 040, 047, and 051. Baghouse BH2B also serves Emission Unit No. 047.

Wet fly ash or phosphate rock in the hoppers is transferred to common conveyor belt (Belt No. 7) that moves first under the West Hopper and then under the East Hopper. The two (2) baghouse associated with each hopper also control emissions as the material from the hoppers transfers to Belt No. 7.

The West Hopper and East Hopper are each able to travel east and west above a portion of Belt No. 7, that portion of the belt does not have 180 degree top covers to prevent unconfined emissions.

Wet fly ash or phosphate rock on Belt No. 7 is then transferred to Belt No. 6. Emissions are controlled by a Fuller, Model 36D510, baghouse designated as Baghouse BH15 and rated at 3,000 acfm and 2,883 dscfm.

Wet fly ash or phosphate rock on Belt No. 6 is then transferred to Belt No. 5. Emissions are controlled by a Fuller, Model 36D510, baghouse designated as Baghouse BH16 and rated at 3,000 acfm and 2,883 dscfm.

Wet fly ash or phosphate rock on Belt No. 5 is then transferred to Incline Belt No. 4. Emissions are controlled by Fuller, Model 48D510, baghouse designated as Baghouse BH17 and rated at 4,000 acfm and 3,845 dscfm.

Wet fly ash or phosphate rock on Incline Belt No. 4 is then transferred to Transfer Tower No. 1. Emissions are controlled by a DCE Dalamatic, Model DLM V20/10 F5, baghouse designated as Baghouse BH4 and rated at 2,000 acfm and 1,922 dscfm. Note, Baghouse BH4 also serves Emission Unit Nos. 025 and 026.

Wet fly ash or phosphate rock from Transfer Tower No. 1 is then transferred to Incline Belt No. 3. Emissions are controlled by a Mikro Pulsaire, Model 255-8-30, baghouse designated as BH5 and rated at 2,500 acfm and 2,403 dscfm. Note, Baghouse BH5 also serves Emission Unit Nos. 025 and 026.

Wet fly ash or phosphate rock from Incline Belt No. 3 is transferred to Belt No. 2 inside Transfer Tower No. 2. Emissions are controlled by a Fuller, Model No. 80-23451-325, baghouse designated as BH6 and rated at 4,000 acfm and 3,845 dscfm. Note, Baghouse BH6 also serves Emission Unit Nos. 025 and 026.

Wet fly ash or phosphate rock from Belt No. 2 is then transferred to Shuttle Belt No. 1 located inside and along the roof of the Clinker & Wet Fly Ash Storage Building where the shuttle belt drops the wet fly ash or phosphate rock onto storage piles. Emissions are controlled by a DCE Dalamatic, Model DLM V20/10 F5, baghouse designated as BH7 and rated at 2,000 acfm and 1,959 dscfm. Note, Baghouse BH7 also serves Emission Unit Nos. 025, 026, 044, and 047.

Specific Condition No. O.1. on Page 74:

FROM: Permitted Capacity: This emission unit unloads wet fly ash from ships/barges at a maximum rate of 800 tons/hr. based on a daily average and 150,000 tons per any consecutive 12-month period.
[Rule 62-210.200 (PTE), F.A.C.]

TO: Permitted Capacity: This emission unit is limited to the following:

A. Wet fly ash from ships/barges is unloaded at a maximum rate of 800 tons/hr. based on a daily average and 150,000 tons per any consecutive 12-month period.

B. Phosphate rock from ships/barges is unloaded at a maxim rate of 800 tons/hr. based on a daily average and 400,000 tons per any consecutive 12-month period.

C. The amount of phosphate rock received by ships/barges and the amount of clinker received by ships/barges associated with Emission Unit No. 025 shall not exceed a total of 1,264,000 tons per any consecutive 12-month period.

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

Specific Condition No. O.4. before the table on Page 75:

FROM: Visible Emissions Limitations: The following emission points for this emission unit shall not exceed the maximum allowable visible emission values as shown in the table below when transferring wet fly ash:

TO: Visible Emissions Limitations: The following emission points for this emission unit shall not exceed the maximum allowable visible emission values as shown in the table below when transferring wet fly ash or phosphate rock:

Specific Condition No. O.5. on Page 76:

FROM: Initial Visible Emission Compliance Tests: All the emission points* associated with this emission unit shall be tested to demonstrate compliance with the visible emissions limitations. The tests shall be conducted during the unloading of the first ship/barge that unloads wet fly ash.

* Since ships/barges may have more than one (1) hold, visible emission testing of a single hold when it is actually transferring wet fly ash to the hopper(s) shall be considered acceptable provided the test was conducted when the highest opacity emissions can reasonably be expected to occur.

[Rules 62-4.070(3), 62-297.310(4)(a)2., and 62-297.310(7)(a)1., F.A.C.]

TO: Initial Visible Emission Compliance Tests: All the emission points* associated with this emission unit shall be tested to demonstrate compliance with the visible emissions limitations. The tests shall be conducted during the unloading of the first ship/barge that unloads wet fly ash or phosphate rock.

* Since ships/barges may have more than one (1) hold, visible emission testing of a single hold when it is actually transferring wet fly ash or phosphate rock to the hopper(s) shall be considered acceptable provided the test was conducted when the highest opacity emissions can reasonably be expected to occur.

[Rules 62-4.070(3), 62-297.310(4)(a)2., and 62-297.310(7)(a)1., F.A.C.]

Specific Condition No. O.6. on Page 76:

FROM: Visible Emission Compliance Tests After the Initial Tests: All the emission points* associated with this emission unit shall be tested to demonstrate compliance with the visible emissions limitations. The tests shall be conducted during each federal fiscal year (October 1 to September 30).

* Since ships/barges may have more than one (1) hold, visible emission testing of a single hold when it is actually transferring wet fly ash to the hopper(s) shall be considered acceptable provided the test was conducted when the highest opacity emissions can reasonably be expected to occur.

[Rules 62-4.070(3), 62-210.310(4)(a)2., and 62-297.310(7)(a)4., F.A.C.]

TO: Visible Emission Compliance Tests After the Initial Tests: All the emission points* associated with this emission unit shall be tested to demonstrate compliance with the visible emissions limitations. The tests shall be conducted during each federal fiscal year (October 1 to September 30).

* Since ships/barges may have more than one (1) hold, visible emission testing of a single hold when it is actually transferring wet fly ash or phosphate rock to the hopper(s) shall be considered acceptable provided the test was conducted when the highest opacity emissions can reasonably be expected to occur.

[Rules 62-4.070(3), 62-210.310(4)(a)2., and 62-297.310(7)(a)4., F.A.C.]

Specific Condition No. O.7. on Page 77:

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

TO: Test Requirements: Tests shall be conducted as follows:

a. In accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.

b. Since transferring phosphate rock is considered when the highest emissions are expected to occur, if a test is conducted when transferring wet fly ash, then during the next transfer of phosphate rock a new visible emission test shall be conducted.

[Rule 62-297.310, F.A.C.]

Specific Condition No. O.11. on Pages 77 and 78:

FROM: Recordkeeping Requirements: The permittee shall maintain the following records:

DAILY (when operating)

a. Facility name, Facility ID (0810011), Emission Unit ID No., Date (month/day/year)

b. Name of material (wet fly ash) being transferred.

c. Hours of transferring wet fly ash to the West and East Hoppers (do not double count).

d. Total combined amount of wet fly ash transferred to the West and East Hoppers in tons.

e. Daily average amount of wet fly ash transferred to the hoppers in tons/hr.

MONTHLY (when operated during the month)

f. Facility name, Facility ID (0810011), Emission Unit ID No., Date (month/day/year)

g. Total hours of transferring wet fly ash to the West and East Hoppers (do not double count).

h. Most recent consecutive 12-month total hours of transferring wet fly ash to the West and East Hoppers.

i. Amount of wet fly ash transferred to the West and East Hoppers in tons.

j. Most recent consecutive 12-month total amount of wet fly ash transferred to the West and East Hoppers in tons.

Daily records shall be completed within 3 business days and monthly records shall be completed by the end of the following month. These records shall be maintained at the facility for at least 3 years and made available to the Department upon request. [Rule 62-4.070(3), F.A.C.]

TO: Recordkeeping Requirements: The permittee shall maintain the following records:

DAILY (when operating)

a. Facility name, Facility ID (0810011), Emission Unit ID No., Date (month/day/year)

b. Name of material (wet fly ash, phosphate rock) being transferred.

c. Hours of transferring wet fly ash to the West and East Hoppers (do not double count).

d. Total combined amount of wet fly ash transferred to the West and East Hoppers in tons.

e. Daily average amount of wet fly ash transferred to the West and East Hoppers in tons/hr.

f. Hours of transferring phosphate rock to the West and East Hoppers (do not double count).

g. Total combined amount of phosphate rock transferred to the West and East Hoppers in tons.

h. Daily average amount of phosphate rock transferred to the West and East Hoppers in tons/hr.

i. Total combined hours of transferring wet fly ash and phosphate rock to the West and East Hoppers.

j. Total combined amount of wet fly ash and phosphate rock to the West and East Hoppers.

MONTHLY (when operated during the month)

k. Facility name, Facility ID (0810011), Emission Unit ID No., Date (month/day/year)

l. Total combined hours of transferring wet fly ash and phosphate rock to the West and East Hoppers.

m. Most recent consecutive 12-month total combined hours of transferring wet fly ash and phosphate rock to the West and East Hoppers.

n. Amount of wet fly ash transferred to the West and East Hoppers in tons.

o. Amount of phosphate rock to the West and East Hoppers in tons.

p. Most recent consecutive 12-month total amount of wet fly ash transferred to the West and East Hoppers in tons.

q. Most recent consecutive 12-month total amount of phosphate rock transferred to the West and East Hoppers in tons.

r. Total combined amount of wet fly ash and phosphate rock transferred to the West and East Hoppers in tons.

s. Most recent consecutive 12-month total combined amount of wet fly ash and phosphate rock transferred to the West and East Hoppers in tons.

t. Most recent consecutive 12-month total combined amount of clinker received by ship (see Specific Condition No. A.12.j. for Emission Unit No. 025) and phosphate rock received by ship. (also see Specific Condition No. A.12.k.)

Daily records shall be completed within 3 business days and monthly records shall be completed by the end of the following month. These records shall be maintained at the facility for at least 3 years and made available to the Department upon request. [Rule 62-4.070(3), F.A.C.]

Change the description of E.U. ID No. 044 on Page 84:

FROM: E.U. ID No. Brief Description

044 Truck Loading of Clinker/Wet Fly Ash/Gypsum for Export

Clinker and/or wet fly ash from the Clinker & Wet Fly Ash Storage Building and gypsum located outside are loaded into trucks for export. Trucks are each loaded at a maximum rate of 150 tons/hr. based on a daily average.

A maximum of 400,000 tons of clinker per any consecutive 12-month period is loaded into trucks.

A maximum of 150,000 tons of wet fly ash per any consecutive 12-month period is loaded into trucks.

A maximum of 86,400 tons of gypsum per any consecutive 12-month period is loaded into trucks.

TO: E.U. ID No. Brief Description

044 Truck Loading of Clinker/Wet Fly Ash/Gypsum/Phosphate Rock for Export

Clinker, Phosphate rock, and/or wet fly ash from the Clinker & Wet Fly Ash Storage Building and gypsum located outside are loaded into trucks for export. Trucks are each loaded at a maximum rate of 150 tons/hr. based on a daily average.

A maximum combined total of 400,000 tons of clinker and phosphate rock per any consecutive 12-month period is loaded into trucks.

A maximum of 150,000 tons of wet fly ash per any consecutive 12-month period is loaded into trucks.

A maximum of 86,400 tons of gypsum per any consecutive 12-month period is loaded into trucks.

Specific Condition No. Q.1. on Page 84:

FROM: Permitted Capacity: The emission unit is limited as follows:

a. Each truck is loaded at a maximum rate of 150 tons/hr. based on a daily average.

b. A maximum of 400,000 tons of clinker per any consecutive 12-month period is loaded into trucks.

c. A maximum of 150,000 tons of wet fly ash per any consecutive 12-month period is loaded into trucks.

d. A maximum of 86,400 tons of gypsum per any consecutive 12-month period is loaded into trucks.

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

TO: Permitted Capacity: The emission unit is limited as follows:

a. Each truck is loaded at a maximum rate of 150 tons/hr. based on a daily average.

b. A maximum combined total of 400,000 tons of clinker and phosphate rock per any consecutive 12-month period is loaded into trucks.

c. A maximum of 150,000 tons of wet fly ash per any consecutive 12-month period is loaded into trucks.

d. A maximum of 86,400 tons of gypsum per any consecutive 12-month period is loaded into trucks.

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

Specific Condition No. Q.2. on Page 84:

FROM: Reasonable Precautions to Control Unconfined Particulate Matter: All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter. This provision is applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, and handling. Reasonable precautions shall include but are not limited to the following:

a. A DCE Dalamatic, Model DLM V20/10 F5, baghouse designated as BH7 and rated at 2,000 acfm and 1,959 dscfm shall be operating when loading trucks with clinker and/or wet fly ash in the Clinker & Wet Fly Ash Storage Building. Note, Baghouse BH7 also serves Emission Unit Nos. 025, 026, 041, and 047.

[Rule 62-296.320(4)(c), F.A.C.]

TO: Reasonable Precautions to Control Unconfined Particulate Matter: All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter. This provision is applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, and handling. Reasonable precautions shall include but are not limited to the following:

a. A DCE Dalamatic, Model DLM V20/10 F5, baghouse designated as BH7 and rated at 2,000 acfm and 1,959 dscfm shall be operating when loading trucks with clinker, phosphate rock, and/or wet fly ash in the Clinker & Wet Fly Ash Storage Building. Note, Baghouse BH7 also serves Emission Unit Nos. 025, 026, 041, and 047.

[Rule 62-296.320(4)(c), F.A.C.]

Specific Condition No. Q.3. on Page 85:

FROM: Visible Emissions Limitations: Visible emissions from the trucks being loaded with gypsum and from Baghouse BH7 when loading trucks with clinker and/or wet fly ash in the Clinker & Wet Fly Ash Storage Building shall not be equal to or exceed 20% opacity.
[Rule 62-296.320(4)(b), F.A.C.]

TO: Visible Emissions Limitations: Visible emissions from the trucks being loaded with gypsum and from Baghouse BH7 when loading trucks with clinker, phosphate rock, and/or wet fly ash in the Clinker & Wet Fly Ash Storage Building shall not be equal to or exceed 20% opacity.
[Rule 62-296.320(4)(b), F.A.C.]

Specific Condition No. Q.4. on Page 85:

FROM: Recordkeeping Requirements: The permittee shall maintain the following records:

For each truck being loaded.

DAILY

a. Facility name, Facility ID (0810011), Emission Unit ID No., Date (month/day/year)

b. Name of material (clinker, wet fly ash, gypsum).

c. Hours of loading a truck.

d. Total amount of material (clinker, wet fly ash, gypsum) loaded into trucks in tons.

e. Total daily average amount of material (clinker, wet fly ash, gypsum) loaded into trucks in tons/hr.

MONTHLY (when trucks have been loaded)

f. Facility name, Facility ID (0810011), Emission Unit ID No., Date (month/day/year)

g. Total hours of loading trucks (do not double/triple count).

h. Most recent total combined consecutive 12-month hours of loading trucks (do not double/triple count).
i. Total amount of each material (clinker, wet fly ash, gypsum) loaded into trucks in tons.

j. Most recent consecutive 12-month total amount of each material (clinker, wet fly ash, gypsum) loaded into trucks in tons.

Daily records shall be completed within 3 business days and monthly records shall be completed by the end of the following month. These records shall be maintained at the facility for at least 3 years and made available to the Department upon request. [Rule 62-4.070(3), F.A.C.]

TO: Recordkeeping Requirements: The permittee shall maintain the following records:

For each truck being loaded.

DAILY

a. Facility name, Facility ID (0810011), Emission Unit ID No., Date (month/day/year)

b. Name of material (clinker, wet fly ash, gypsum, phosphate rock).

c. Hours of loading a truck.

d. Total amount of material (clinker, wet fly ash, gypsum, phosphate rock) loaded into trucks in tons.

e. Total daily average amount of material (clinker, wet fly ash, gypsum, phosphate rock) loaded into trucks in tons/hr.

MONTHLY (when trucks have been loaded)

f. Facility name, Facility ID (0810011), Emission Unit ID No., Date (month/day/year)

g. Total hours of loading trucks (do not double/triple count).

h. Most recent total combined consecutive 12-month hours of loading trucks (do not double/triple count).

i. Total amount of each material (clinker, wet fly ash, gypsum, phosphate rock) loaded into trucks in tons.

j. Most recent consecutive 12-month total amount of each material (clinker, wet fly ash, gypsum, phosphate rock) loaded into trucks in tons.

k. Most recent consecutive 12-month combined total amount of clinker and phosphate rock loaded into trucks in tons.

Daily records shall be completed within 3 business days and monthly records shall be completed by the end of the following month. These records shall be maintained at the facility for at least 3 years and made available to the Department upon request. [Rule 62-4.070(3), F.A.C.]

Changes to descriptions in Table for E.U. ID Nos. 041 and 044 of Specific Condition No. Y.7. on Page 117:

**E.U. ID No. 041**

FROM: Wet Fly Ash received by Ships to Clinker & Wet Fly Ash Storage Building

TO: Wet Fly Ash and Phosphate Rock received by Ships to Clinker & Wet Fly Ash Storage Building

**E.U. ID No. 044**

FROM: Truck Loading of Clinker/Wet Fly Ash/Gypsum for Export

TO: Truck Loading of Clinker/Wet Fly Ash/Gypsum/Phosphate Rock for Export

Changes to descriptions in Table for E.U. ID Nos. 041 and 044 of Specific Condition No. Y.8. on Page 118:

**E.U. ID No. 041**

FROM: Wet Fly Ash received by Ships to Clinker & Wet Fly Ash Storage Building

TO: Wet Fly Ash and Phosphate Rock received by Ships to Clinker & Wet Fly Ash Storage Building

**E.U. ID No. 044**

FROM: Truck Loading of Clinker/Wet Fly Ash/Gypsum for Export

TO: Truck Loading of Clinker/Wet Fly Ash/Gypsum/Phosphate Rock for Export

A person whose substantial interests are affected by the proposed permit amendment may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice. A petitioner shall mail

a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

All petitions filed under these rules shall contain:

(a) The name and address of each agency affected and each agency's file or identification number, if known;
(b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
(c) A statement of when and how the petitioner received notice of the agency decision;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this permit amendment. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

This permit amendment is final and effective on the date filed with the Clerk of the Department unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S. or unless a request for an extension of time in which to file a petition is filed within the time specified for filing a petition. Upon timely filing of a petition or a request for an extension of time to file the petition, this permit amendment will not be effective until further Order of the Department.

Any party to the Order (Permit Amendment) has the right to seek judicial review of the Order pursuant to Section 120.68, F.S., by the filing of 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, Douglas Building, 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 of Appeal must be filed within 30 days after this Order is filed with the Clerk of the Department.

This letter must be attached to and becomes a part of permit 0810011-013-AC. If you have any questions, please call permit engineer, Jim McDonald, at (813)632-7600 extension 106.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

_____

Cindy Zhang-Torres, P.E.
Air Permitting Manager
Southwest District

CZ/jm/pp

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Permit Amendment was sent by electronic mail before the close of business on _____ to the person(s) listed:

Mr. Harrinarine Mootoor, Plant Manager
Vulcan Materials Co./Florida Rock Division
hmootoor@vmcmail.com

Mr. James Burkholder, Environmental Manager
Vulcan Materials Co.
burkholderj@vmcmail.com

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) (Date)