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

FINAL PERMIT

PERMITTEE

Kinder Morgan Port Manatee Terminal, LLC
1500 Greenleaf Street
Charleston, SC 29405

Authorized Representative:
Mr. Arthur J. Rudolph, Vice President of Operations

Air Permit No. 0810004-019-AC
Permit Expires: 03/30/2014
Site Name : Port Manatee Terminal
Minor Air Construction Permit
Project Name: Dry Bulk Material Handling and Storage Facility

This is the final air construction permit, which authorizes the construction modification of a dry bulk material handling and storage facility. The proposed work will be conducted at the Port Manatee Terminal (Standard Industrial Classification No. 4491). The facility is located in Manatee County at 475 North Dock Street, Port Manatee, Florida. The UTM coordinates are Zone 17, 347.59 km East, and 3057.65 km North. As noted in the Final Determination provided with this final permit, no changes or only minor changes and clarifications were made to the draft permit.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements and Facility-wide Specific Conditions

Section 3. Emissions Unit Specific Conditions

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.

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

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by

the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Hillsborough County, Florida

_____ _____

Mara Grace Nasca Effective Date
District Air Program Administrator
Southwest District

CERTIFICATE OF SERVICE

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

Mr. Arthur J. Rudolph, Vice President of Operations
Kinder Morgan Port Manatee Terminal, LLC
Arthur_Rudolph@KinderMorgan.com

Mr. David Cibek, P.E.
Malcom Pirnie, Inc.
dcibik@pirnie.com

Mr. Andrew Miker, Terminal Manager
Kinder Morgan Port Manatee Terminal, LLC
Andrew_Miker@kindermorgan.com

Ms. Alice Harman, P.E.
Kinder Morgan Bulk Terminals, Inc.
Alice_Harman@kindermorgan.com

Ms. Meredith Surowiec, EHS Southeast Region
Kinder Morgan Bulk Terminals, Inc.
Meredith_Surowiec@kindermorgan.com

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.

_____ _____

(Clerk) (Date)

FACILITY AND PROJECT DESCRIPTION

Existing Facility

The facility is a synthetic non-Title V dry bulk material handling and storage facility. The facility is considered synthetic based on potential particulate matter (PM_{10}) emissions, which could be equal to or greater than 100 tons/yr. if the baghouses on Emission Unit Nos. 001, 002, 003, 005, 006, 007, and 008 were not operated.

The existing facility consists of the following emissions units.

Facility ID No. 0810004	
ID No.	Emission Unit Description
001	Railcar/Truck Unloading Building, Baghouse No. 1, southeast (Previously No. 12)
002	Railcar/Truck Unloading Building, Baghouse No. 2, northeast
003	Railcar/Truck Unloading Building, Baghouse No. 3, northwest
005	Conveyor Transfer Tower, Baghouse No. 5
006	Scale Building, Baghouse No. 6 (Previously No. 8)
007	Warehouse No. 1, Baghouse No. 7 (Previously No. 11). This baghouse is inside a partially enclosed transfer tower, which is located on the east side of Warehouse No. 1.
008	Top of Silo (Surge Hopper), Baghouse No. 8 (Previously No. 11)
009	Ship's Hold, receives material from the east shiploader (gantry)
010	Ship's Hold, receives material from the west shiploader (gantry)
012	Ship Unloading Material to Trucks
013	Ship Unloading Salt to Storage

Project Description and Affected/Proposed Emission Units

The modifications and operations are described below:

- Modify Emission Unit No. 012 – Ship Unloading Material to Trucks by adding two (2) additional receiving hoppers/truck loading stations, adding additional materials that may be received by marine vessels, and changing material transfer rates.
- Modify Emission Unit No. 013 – Ship Unloading Material to Storage by adding additional material transfer points and adding additional materials that may be received by marine vessels.
- Add Emission Unit No. 014 – Material from Outside Storage Piles Transferred by Front-end Loaders and/or Material from Trucks Transferred to outside storage piles and/or to Radial Stacker Belt's Hopper to Radial Stacker Belt to Outside Storage Piles.
- Add Emission Unit No. 015 – Material Transferred from Outside Storage Piles to Front-end Loader to Trucks or Railcars.
- Add Emission Unit No. 016 – Material Transfer by Belted Self Unloading Vessel to Outside Storage Piles.

- Delete the allowable maximum amount of material limitations that may be received by Emission Unit Nos. 012 and 013 per any consecutive 12-month period, since the maximum combined total particulate matter emissions from Emission Unit Nos. 012, 013, 014, 015, and 016 are limited to 64 tons per any consecutive 12-month period.

This project will modify and add the following emissions units.

Facility ID No. 0810004	
ID No.	Emission Unit Description
012	Ship Unloading Material to Trucks
013	Ship Unloading Material to Storage
014	Material from Front-end Loaders and Trucks to Piles
015	Materials from Piles to Trucks or Railcars
016	Ship's Belted Self Unloading Equipment to Storage Piles

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

Permitting Notes:

- A salt truck load out operation is inside Warehouse No. 1, which is enclosed to the maximum extent possible while allowing access for operational equipment and maintenance functions. This operation utilizes multiple drag conveyors, a screener, a screw conveyor, and a truck load out spout. *This operation is not considered a source of emissions to the atmosphere.*

- Warehouse No. 3 may have a passive roof vent system consisting of a total of 40 spinning turbine roof vents. The north and south sides of the roof ridge are each expected to have 20 vents. A series of fans to pull air into Warehouse No. 3 may be installed on the warehouse's walls to cool the internal building temperature for employee comfort.

- The two (2) existing Nos. 3 and 4 hoppers and existing Conveyor Belt Nos. 4S, 5S, 6S, 7S, Florida Rock Incline Belt No. 3, Florida Rock Transfer Tower, Florida Rock Belt No. 2, and Florida Rock Warehouse associated with Emission Unit No. 013 are owned by a different facility (Facility ID No. 0810011).

Exempt Emission Units/Activities

- Salt in Warehouse No. 1 that is not designated for storage or truck load out is transferred via a screener and drag conveyor to Warehouse No. 3 utilizing Conveyor BC-1. The conveyor is an air-supported belt conveyor. The air supplied from a fan pressurizes the air chamber under the conveyor's pan. The air flows up through holes in the pan and the conveying belt system is fully enclosed. Conveyor BC-1 transfers the salt from Warehouse No. 1 to Warehouse No. 3 through a sealed opening in the roof of Warehouse No. 3 and is transferred directly into a hopper. The transfer point from the conveyor to the hopper opening is fully enclosed. The salt product is then transferred directly into bags from the hopper's spout (second transfer point). The bags of salt are heat sealed and emissions from the bagging operation's two (2) transfer points are vented to a baghouse located inside Warehouse No. 3.
  [Uncontrolled emissions comply with Rule 62-210.300(3)(b)1., F.A.C.]

- The facility predominantly handles coarse salt for the bagging operation. On occasion, another type of salt will be bagged called mixing salt. Prior to bagging the different type of salt, the Conveyor BC-1 system must be flushed to prevent cross contamination of product. The flushed product is directed through a chute and is captured in the bucket of a front end loader. The front end loader bucket is placed directly under the chute to capture the residual product. The product does not touch the floor and is transferred to Warehouse No. 1 for storage. The amount of material collected during the Conveyor BC-1 system flushing periods is expected to be approximately one or two front end loader bucket loads per flush.
  [Rule 62-210.300(3)(b)1., F.A.C.]

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).

- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).

- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.

- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

- This facility is a synthetic non-Title V source for the pollutant particulate matter (PM_{10}).

PERMIT HISTORY/AFFECTED PERMITS

Modifies Construction Permit No. 0810004-018-AC and Operation Permit No. 0810004-017-AO

SECTION 2. ADMINISTRATIVE REQUIREMENTS AND FACILITY-WIDE SPECIFIC CONDITIONS (FINAL)

1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection (Department), Southwest District's Air Resource Management Section. The Southwest District's mailing address and phone number is:

   Florida Department of Environmental Protection
   Southwest District Office
   Air Resource Management Section
   13051 North Telecom Parkway
   Temple Terrace, Florida 33637-0926
   Telephone: 813-632-7600

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

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Southwest District Office's Air Resource Management Section (see above mailing address and phone number).

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

   a. Appendix A. Citation Formats and Glossary of Common Terms;
   b. Appendix B. General Conditions;
   c. Appendix C. Common Conditions; and
   d. 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.

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

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

7. Annual Operating Report: On or before **April 1** of each year, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" (AOR) for the preceding calendar year. The report may be submitted electronically in accordance with the instructions received with the AOR package sent by the Department, or a hardcopy may be sent to the Compliance Authority.
[Rule 62-210.370(3), F.A.C.]

8. Environmental Compliance Plan: The permittee shall comply with the requirements of the Environmental Compliance Plan (ECP) required by CONSENT ORDER, OGC File No. 10-0830, dated February 19, 2010, upon approval by the Department and any other subsequent ECP approved by the Department.
[Rule 62-4.070(3), F.A.C.]

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

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

   b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.; and

   c. a copy of the most recent compliance test report(s) required by Specific Condition Nos. A.10., B.10., C.9., D.9., and E.9., if not previously submitted; and

   d. copies of the most recent month of records/logs specified in Specific Condition No. F.6.

   The application shall be submitted to the Permitting Authority.
   [Rules 62-4.030, 62-4.070(3), 62-4.050, and 62-4.220, F.A.C.]

A. EU No. 012 – Ship Unloading Material to Trucks

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
012	Ship Unloading Material to Trucks: Material received by ship is transferred from the ship's hold(s) by clamshell(s) or by the ship's belted self unloading equipment at a maximum transfer rate of 600 tons/hr. based on a daily average. The clamshell(s) or ship's belted self unloading equipment then transfers the material to four (4) individual single hoppers, or to two (2) double hoppers, or to two (2) individual hoppers and one (1) double hopper. A double hopper consists of two (2) individual hoppers placed side by side with a common material splitter. Each individual hopper receives material at a maximum rate of 300 tons/hr. based on a daily average. The common material splitter for the double hopper is considered to transfer 50% of the amount of material it receives to each individual hopper based on a daily average. Under each individual hopper is a truck loading station where material is transferred to a truck. Each individual hopper is capable of transferring material to a truck located under the hopper for off-site shipment, to outside storage piles, to the radial stacker belt's hopper, or inside storage at a maximum transfer rate of 300 tons/hr. based on a daily average. The four (4) individual hoppers are designated as Hopper Nos. 1, 2, 5, and 6. The equipment may also be located at the facility's Tampaplex Terminal located at Port Sutton in Tampa, which is permitted separately and not considered part of this facility. The clamshell(s) may be ship's gear or barge mounted equipment.

PERFORMANCE RESTRICTIONS

A.1. Authorized Materials: The materials allowed to be received are listed in Specific Condition No. F.1.
[Rule 62-210.200(PTE), F.A.C.]

A.2. Permitted Capacity: The maximum material transfer rates are as follows:

a. 600 tons/hr.* for ship's hold(s) to clamshell(s)/ship's belted self unloading equipment based on a daily average.
b. 300 tons/hr. for clamshell(s)/ship's belted self unloading equipment to each individual hopper based on daily average.
c. 600 tons/hr. (300 tons/hr. per hopper) for clamshell(s)/ ship's belted self unloading equipment to a common material splitter for a double hopper based on a daily average.
d. 300 tons/hr.** for each individual hopper to truck based on a daily average.

* Compliance with this value shall be based on the amount of material transferred from the clamshell(s)/Ship's belted self unloading equipment to the hopper(s) or common material splitter. See recordkeeping requirements below.

** Compliance with this value shall be based on the amount of material transferred from the clamshell(s)/Ship's belted self unloading equipment to the hopper or 50% of the material transferred to the common material splitter. See recordkeeping requirements below.

[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

A.3. Operating Requirements: The permittee shall comply with the following:

a. The hoppers associated with Emission Unit No. 012 for truck loading shall each be clearly marked/labeled as "HOPPER No. 1", "HOPPER No. 2", "HOPPER No. 5", and "HOPPER No. 6".
b. Hopper Nos. 1, 2, 5, and 6 associated with Emission Unit No. 012 shall not be used with Emission Unit No. 013.
c. Emission Unit Nos. 012 and 013 may operate simultaneously.

[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

A.4. Visible Emission Limitation: Visible emissions from each of the following emission points shall not be equal to or greater than 20% opacity:

Emission Point No. 1 – Ship's Hold(s) to Clamshell(s)
Emission Point No. 2 – Clamshell(s)/Ship's belted self unloading equipment to Hopper No. 1
Emission Point No. 3 – Clamshell(s)/Ship's belted self unloading equipment to Hopper No. 2
Emission Point No. 4 – Hopper No. 1 to Truck
Emission Point No. 5 – Hopper No. 2 to Truck
Emission Point No. 6 – Clamshell(s)/Ship's belted self unloading equipment to a common material splitter on a double hopper.
Emission Point No. 7 - Clamshell(s)/Ship's belted self unloading equipment to Hopper No. 5
Emission Point No. 8 - Clamshell(s)/Ship's belted self unloading equipment to Hopper No. 6
Emission Point No. 9 – Hopper No. 5 to Truck
Emission Point No. 10 – Hopper No. 6 to Truck

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

A.5. 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:

Ship to Clamshell/Ship's Belted Self Unloading Equipment to Hopper Operations:

a. A tarpaulin or equivalent shall be placed between the dock and the ship when the clamshells are transferring material. The tarpaulin shall be positioned below the clamshell's arc of travel such that any material spilled will be contained on the dock. The contained material along with other spills of material shall be cleaned-up by shoveling and/or sweeping before the end of the next shift.

b. Tight-lipped clamshells to prevent material leakage shall be used for all materials other than scrap iron.

c. To the extent feasible ensure that the clamshells do not have "excessive" product buildup inside and outside of the clamshell. If needed, stop the operation and perform cleaning of the clamshell.

d. No air blowers shall be used in the ship's hold(s) to gather material for the final clean out of the cargo hold(s).

e. Each Single Hopper and Double Hopper shall be equipped with permanent or temporary removable wind shields on all 4 sides at all times. The wind shields shall be installed from the top of the hopper ascending upward either in a vertical direction or in an upward-and-outward direction at an angle that is no less than the acute angle between the hopper's side and the horizontal.

f. All wind shields shall be no less than 4 feet high from the top of the wind shield to the top of the associated hopper side as measured in the vertical.

g. The clamshell(s)/ship's belted self unloading equipment shall be operated at an optimum speed compatible with the receiving hopper/common material splitter and associated equipment so as to minimize emissions from material receiving due to overfilling the hopper or blowback from under the hopper. The clamshell(s) shall not leak in such a way that during normal operation there is visible discharge of material falling from the clamshell bucket. When the clamshell is full of material in the ship's hold, it will be closed completely (except for scrap iron) prior to being raised past the top of the ship's hatch, maintained closed during transfer, and will discharge the contents of the bucket only at or as close as possible to the surface of the material. The ship's belted

self unloading equipment shall minimize the material drop height to the maximum extent, where feasible and possible.

Hopper to Truck Operations:

h. Open areas between the top of each hopper and the top of the hopper's support truck entrance side and the top of the hopper's support exit side shall be covered. The coverings may consist of canvas, tarpaulins, or other similar materials.

i. The two (2) sides of each hopper's support from the top of hopper to the ground that are not used for the truck entrance or exit shall be covered with the exception of the man way entrances. The coverings may consist of canvas, tarpaulins, wood, or similar material. An operator must access this area of the hopper to operate the hopper's material transfer.

j. The distance from the bottom of each hopper (discharge point) to the top of the truck's side walls shall not exceed five (5) feet as measured in the vertical.

General

k. Unconfined emissions associated with the on-site traffic (trucks and front-end loaders) are controlled by limiting vehicle speed under permittee's control to below 10 miles per hour.

l. Curtailing operations or ceasing operations when necessary.

m. Sweep roadways and other paved areas under permittee's control as necessary to prevent particulate matter from becoming airborne.

n. Only phosphate products (DAP, MAP, GTSP) that have been properly treated with a dust suppressant shall be handled. The permittee shall document that a dust suppressant has been or is being used.

o. Water sprays may be used on all materials other than DAP, MAP, and GTSP when there are visible emissions.

p. Watering roads and other paved areas under the permittee's control as necessary to prevent particulate matter from becoming airborne.

In order to determine if the above reasonable precautions are adequate, visible emissions from all activities should not exceed 10% opacity. If this value is exceeded, it will not be considered a violation in and of itself, but an indicator that additional reasonable precautions may be required.
[Rules 62-4.070(3) and 62-296.320(4)(c), F.A.C.]

TESTING REQUIREMENTS

A.6. Compliance Tests: Test each emission point for visible emissions while handling an allowed material and, where practical, the material with the highest emission factor as shown in Specific Condition No. F.1 (dustiest material available) on the first day of operating this emission unit after the effective date of this permit and during each federal fiscal year (October 1st to September 30th) thereafter, to demonstrate compliance with the emissions standards for visible emissions. Testing of Emission Point No. 6 may be used in lieu of testing Emission Point Nos. 2, 3, 7, and 8. When two (2) double hoppers are being used simultaneously only one (1) of the two (2) double hoppers is required to be tested. [Rules 62-4.070(3) and 62-297.310(7), F.A.C.]

A.7. Operating Requirements During Testing: As practical, visible emission testing of each transfer point shall be accomplished within 90 – 100% of the hopper's maximum loading rate of 300 tons/hr. for the transferred material and transferring the dustiest material. A compliance test submitted when transferring the dustiest material (highest emission factor) and transferring that material within 90 – 100% of 300 tons/hr. shall allow the use, during the subsequent year until the next year's compliance test(s), of any material equal to or less dusty (according to the emission factors shown in Specific Condition No. F.1.) and at a hopper loading rate no greater than 300 tons/hr. A compliance test submitted with a material that has a lower emission factor (less dusty) or tested below 270 tons/hr. of the hopper's loading rate shall automatically:

a. Limit the transfer of materials to the material test and those materials with a equal or lower emission factor (less dusty), and

b. Limit the hopper loading rate (tons/hr.) to 110% of the tested rate.

If during the most recent compliance test it was impractical to test with the dustiest material or within 90% of the hopper's loading rate of 300 tons/hr., then conduct a new visible emission test:

c. During the next transfer of material with a higher emission factor (dustier), or

d. During the next transfer of material at a hopper loading rate more than 110% at which the most recent visible emission test was conducted at, but not greater than 300 tons/hr. of the hopper's loading rate.

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

A.8. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

Method(s)	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.

During the test period of transferring material from the hoppers to trucks for Emission Point Nos. 4, 5, 9, and 10, each test period shall be an accumulation of at least 30 minutes in duration of actually loading trucks. The permittee shall have adequate means to determine the actual time of transferring material to trucks in order to determine the actual material transfer rate during the test period. The actual amount of material transferred to a truck shall be considered to be a constant 20 tons. The "20 tons" constant amount is based on a historical average of loading trucks from 17 tons to 22 tons and knowledge of the variability of the density of the various materials handled.

[Rules 62-4.070(3), 62-204.800, and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

RECORDS AND REPORTS

A.9. Recordkeeping Requirements: In order to document compliance with Specific Condition Nos. A.2. and A.7., and to determine emissions per Subsection F. of Section 3., the permittee shall maintain the following records:

Daily (when operating)

a. Facility name, Facility ID (0810004), Emission Unit ID No. 012, Date (month/day/year)

b. Name of material being transferred.

c. Hours* of transferring material to each of the four (4) hoppers.

d. Amount* of material transferred to each hopper, in tons.

e. Daily average amount* of material transferred to each hopper, in tons/hr.

* When the Double Hopper is utilized, these values are derived from the Double Hopper with common material splitter, since the common material splitter is considered to transfer 50% of the amount of material it receives to each hopper.

Monthly

f. Total amount of each material transferred to each hopper in tons.

g. Total amount of each material transferred to all four (4) hoppers in tons.

h. Most recent consecutive 12-month period total amount of all materials transferred to all four (4) hoppers in tons.

i. Most recent consecutive 12-month period total hours of transferring all materials to all four (4) hoppers.

Daily records shall be completed within five (5) 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 three (3) years and made available to the Department upon request. [Rules 62-4.070(3) and 62-4.160(14), F.A.C.]

A.10. 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 document. All test reports shall be submitted to the Compliance Authority within 45 days of the testing. Each report shall include:

a. A copy of the daily log for the test day.

b. A copy of the monthly log for the month the test was conducted.

c. The name of the material transferred.

d. The actual material transfer rate to each hopper during the test period, as applicable, which is the amount of material transferred from the clamshell(s)/Ship's belted self unloading equipment to each hopper or 50% of the material transferred to the common material splitter.

e. The number and description of the emission point tested.

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

B. E.U. No. 013 – Ship Unloading Material to Storage

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
013	Ship Unloading Material to Storage: Material received by ship is transferred from the ship's hold(s) by clamshell(s) or by the ship's belted self unloading equipment. Clamshells transfer the material at a maximum transfer rate of 600 tons/hr. based on a daily average. The ship's belted self unloading equipment transfers the material at a maximum transfer rate of 300 tons/hr. based on a daily average. The clamshell(s) or ship's belted self unloading equipment then transfers the material to two (2) individual hoppers. Each hopper receives material at a maximum rate of 300 tons/hr. based on a daily average. The hoppers transfer the material to a common dock conveyor system for storage in Warehouse No. 1 or to a different facility's warehouse (Facility ID No. 0810011), which are enclosed to the extent possible while allowing for operational equipment and maintenance functions. The two (2) individual hoppers are designated as Hopper Nos. 3 and 4.

PERFORMANCE RESTRICTIONS

B.1. Authorized Materials: The materials allowed to be received are listed in Specific Condition No. F.1.
[Rule 62-210.200(PTE), F.A.C.]

B.2. Permitted Capacity: The maximum material transfer rates are as follows:

a. Ship's hold(s) to Clamshell(s): 600 tons/hr.* based on a daily average (Emission Point No. 1).

b. Ship's hold(s) to Ship's belted self unloading equipment: 300 tons/hr.* based on a daily average.

c. Clamshell(s)/ship's belted self unloading equipment to Hopper No. 3: 300 tons/hr. based on a daily average (Emission Point No. 2).

d. Clamshell(s)/ship's belted self unloading equipment to Hopper No. 4: 300 tons/hr. based on a daily average (Emission Point No. 3).

e. Hopper No. 3 to Common Dock Belt No. 7S: 300 tons/hr.* based on a daily average (Emission Point No. 4).

f. Hopper No. 4 to Common Dock Belt No. 7S: 300 tons/hr.* based on a daily average (Emission Point No. 5).

g. Common Dock Belt No. 7S, which is part of the common dock belt system: 600 tons/hr.* based on a daily average (Emission Point Nos. 6, 7, 8, 9, 10, and 11, see Specific Condition No. B.4.).

* Compliance with these values shall be based on the amount of material transferred from the clamshell(s)/ship's belted self unloading equipment to the hopper(s). See recordkeeping requirements below.

[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

B.3. Operating Requirements: The permittee shall comply with the following:

a. The hoppers associated with Emission Unit No. 013 for storage shall each be clearly marked/labeled as "HOPPER No. 3" and "HOPPER No. 4".

b. Hopper Nos. 3 and 4 associated with Emission Unit No. 013 shall not be used with Emission Unit No. 012.

c. Emission Unit Nos. 012 and 013 may operate simultaneously.

[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

B.4. Visible Emission Limitation: Visible emissions from each of the following emission points shall not be equal to or greater than 20% opacity:

Emission Point No. 1 – Ship's Hold(s) to Clamshell(s)
Emission Point No. 2 – Clamshell(s)/Ship's Belted Self Unloading Equipment to Hopper No. 3
Emission Point No. 3 – Clamshell(s)/Ship's Belted Self Unloading Equipment to Hopper No. 4
Emission Point No. 4 – Hopper No. 3 to Common Dock Belt No. 7S
Emission Point No. 5 – Hopper No. 4 to Common Dock Belt No. 7S
Emission Point No. 6 – Common Dock Belt No. 7S to Conveyor Belt No. 6S
Emission Point No. 7 – Conveyor Belt No. 6S to Conveyor Belt No. 5S
Emission Point No. 8 – Conveyor Belt No. 5S to Incline Belt No. 4S
Emission Point No. 9 – Incline Belt No. 4S to Warehouse No. 1 or to Facility ID No. 0810011's Incline Belt No. 3.
Emission Point No. 10 – Facility ID No. 0810011's Incline Belt No. 3 though Facility ID No. 0810011's Transfer Tower to Facility ID No. 0810011's Belt No. 2
Emission Point No. 11 – Facility ID No. 0810011's Belt No. 2 to Facility ID No. 0810011's Shuttle Belt (Warehouse).

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

B.5. 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:

Ship to Clamshell/Ship's Belted Self Unloading Equipment to Hopper Operations:

a. A tarpaulin or equivalent shall be placed between the dock and the ship when the clamshells are transferring material. The tarpaulin shall be positioned below the clamshell's arc of travel such that any material spilled will be contained on the dock. The contained material along with other spills of material shall be cleaned-up by shoveling and/or sweeping before the end of the next shift.

b. Tight-lipped clamshells to prevent material leakage shall be used for all materials other than scrap iron.

c. To the extent feasible ensure that the clamshells do not have "excessive" product buildup inside and outside of the clamshell. If needed, stop the operation and perform cleaning of the clamshell.

d. No air blowers shall be used in the ship's hold(s) to gather material for the final clean out of the cargo hold(s).

e. Each hopper shall be equipped with permanent or temporary removable wind shields on all 4 sides at all times. The wind shields shall be installed from the top of the hopper ascending upward either in a vertical direction or in an upward-and-outward direction at an angle that is no less than the acute angle between the hopper's side and the horizontal.

f. All wind shields shall be no less than 4 feet high from the top of the wind shield to the top of the associated hopper side as measured in the vertical.

g. The clamshell(s)/Ship's belted self unloading equipment shall be operated at an optimum speed compatible with the receiving hopper and associated equipment so as to minimize emissions from material receiving due to overfilling the hopper or blowback from under the hopper. The clamshell(s) shall not leak in such a way that during normal operation there is visible discharge of material falling from the clamshell bucket. When the clamshell is full of material in the ship's hold, it will be closed completely prior to being raised past the top of the ship's hatch, maintained closed during transfer, and will discharge the contents of the bucket only at or as close as possible to the surface of the material in the hopper.

General

h. Curtail operations or cease operations when necessary.

i. Sweep roadways and other paved areas under permittee's control as necessary to prevent particulate matter from becoming airborne.

j. All conveyor belts shall have a 180 degree top enclosure except Conveyor Belt 7S, since the two (2) portable hoppers associated with loading material on Conveyor Belt 7S are each able to travel east and west above Conveyor Belt 7S.

k. All warehouse doors, except Warehouse No. 3, exposed to wind draft are to be closed when material is being transferred inside that warehouse.

In order to determine if the above reasonable precautions are adequate, visible emissions from all activities should not exceed 10% opacity. If this value is exceeded, it will not be considered a violation in and of itself, but an indicator that additional reasonable precautions may be required.
[Rules 62-4.070(3) and 62-296.320(4)(c), F.A.C.]

TESTING REQUIREMENTS

B.6. Compliance Tests: Test each emission point for visible emissions while handling an allowed material and, where practical, the material with the highest emission factor as shown in Specific Condition No. F.1 (dustiest material available) on the first day of operating this emission unit after the effective date of this permit and during each federal fiscal year (October 1st to September 30th) thereafter, to demonstrate compliance with the emissions standards for visible emissions.
[Rules 62-4.070(3) and 62-297.310(7), F.A.C.]

B.7. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

Method(s)	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.
[Rules 62-4.070(3), 62-204.800, and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

B.8. Operating Requirements During Testing: As practical, visible emission testing of each transfer point shall be accomplished within 90 – 100% of each hopper's maximum loading rate of 300 tons/hr. for the transferred material and transferring the dustiest material. A compliance test submitted when transferring the dustiest material (highest emission factor) and transferring that material within 90 – 100% of 300 tons/hr. per hopper shall allow the use, during the subsequent year until the next year's compliance test(s), of any material equal to or less dusty (according to the emission factors shown in Specific Condition No. F.1.) and at the applicable hopper loading rate(s) (no greater than 300 tons/hr. per hopper). A compliance test submitted with a material that has a lower emission factor (less dusty) or tested below 270 tons/hr. of the hopper's loading rate(s) shall automatically:

a. Limit the transfer of materials to the material test and those materials with a equal or lower emission factor (less dusty), and

b. Limit the hopper loading rate (tons/hr.) to 110% of the tested rate.

If during the most recent compliance test it was impractical to test with the dustiest material or within 90% of the hopper's loading rate of 300 tons/hr., then conduct a new visible emission test:

c. During the next transfer of material with a higher emission factor (dustier), or

d. During the next transfer of material at a hopper loading rate more than 110% at which the most recent visible emission test was conducted at, but not greater than 300 tons/hr. of the hopper's loading rate(s).

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

RECORDS AND REPORTS

B.9. Recordkeeping Requirements: In order to document compliance with Specific Condition Nos. B.2. and B.8., and to determine emissions per Subsection F. of Section 3., the permittee shall maintain the following records:

Daily (when operating)

a. Facility name, Facility ID (0810004), Emission Unit ID No. 013, Date (month/day/year)

b. Name of material being transferred.

c. Hours of transferring material to the Hopper No. 3.

d. Amount of material transferred to the Hopper No. 3. in tons.

e. Daily average amount of material transferred to the Hopper No. 3 in tons/hr.

f. Hours of transferring material to Hopper No. 4.

g. Amount of material transferred to Hopper No. 4. in tons.

h. Daily average amount of material transferred to Hopper No. 4 in tons/hr.

Monthly

i. Total amount of each material transferred to Hopper No. 3 in tons.

j. Total amount of each material transferred to Hopper No. 4 in tons.

k. Total amount of each material transferred to Hopper Nos. 3 and 4 in tons.

l. Most recent consecutive 12-month period total amount of all materials transferred to Hopper Nos. 3 and 4 in tons.

m. Most recent consecutive 12-month period total hours of transferring all materials to Hopper Nos. 3 and 4.

Daily records shall be completed within five (5) 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 three (3) years and made available to the Department upon request. [Rules 62-4.070(3) and 62-4.160(14), F.A.C.]

B.10. 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 document. All test reports shall be submitted to the Compliance Authority within 45 days of the testing. Each report shall include:

a. A copy of the daily log for the test day.
b. A copy of the monthly log for the month the test was conducted.
c. The name of the material transferred.
d. The actual material transfer rate to the hopper(s) during the test period, which is the amount of material transferred from the clamshell(s)/ship's belted self unloading equipment to the hopper(s), as applicable.
e. The number and description of the emission point tested.

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

NOTIFICATION REQUIREMENTS

B.11. Notification: If there is a potential for simultaneous storage of the other facility's (Facility ID No. 0810011) material and permittee's material in Facility ID No. 0810011's warehouse, the permittee shall notify the Compliance Authority in writing at least 5 days prior to each such scenario with procedures on how the materials will be identified and differentiated with respect to which facility owns the product.
[Rule 62-4.070(3), F.A.C.]

C. E.U. No. 014 – Materials from Front-end Loaders and Trucks

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
014	Material from outside storage piles transferred by front-end loader(s) and/or material from truck(s) may both be transferred to outside storage piles and/or to a radial stacker belt's hopper to radial stacker belt to outside storage piles at a maximum transfer rate of 600 tons/hr.

PERFORMANCE RESTRICTIONS

C.1. Authorized Materials: The materials allowed to be transferred are listed in Specific Condition No. F.1.
[Rule 62-210.200(PTE), F.A.C.]

C.2. Permitted Capacity: The maximum material transfer rates of the front-end loaders and trucks are considered to be constant (equivalent to 600 tons/hr.).
[Rule 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

C.3. Visible Emission Limitation: Visible emissions from each of the following emission points shall not be equal to or greater than 20% opacity:

Emission Point No. 1 – Front-end Loaders/Trucks to Outside Storage Piles
Emission Point No. 2 – Front-end Loaders/Trucks to Radial Stacker Belt's Hopper
Emission Point No. 3 – Radial Stacker Belt's Hopper to Radial Stacker Belt
Emission Point No. 4 – Radial Stacker Belt to Outside Storage Piles

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

C.4. 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. Curtail operations or cease operations when necessary.

b. The front-end loaders, trucks, and stacker belt shall minimize the material drop height to the maximum extent, where feasible and possible.

c. Sweep roadways and other paved areas under permittee's control as necessary to prevent particulate matter from becoming airborne.

In order to determine if the above reasonable precautions are adequate, visible emissions from all activities should not exceed 10% opacity. If this value is exceeded, it will not be considered a violation in and of itself, but an indicator that additional reasonable precautions may be required.
[Rules 62-4.070(3) and 62-296.320(4)(c), F.A.C.]

TESTING REQUIREMENTS

C.5. Compliance Tests: Test each emission point for visible emissions while handling an allowed material and, where practical, the material with the highest emission factor as shown in Specific Condition No. F.1 (dustiest material available) on the first day of operating this emission unit after the effective date of this permit and during each federal fiscal year (October 1st to September 30th) thereafter, to demonstrate compliance with the emissions standards for visible emissions.
[Rules 62-4.070(3) and 62-297.310(7), F.A.C.]

C.6. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

Method(s)	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.
[Rules 62-4.070(3), 62-204.800, and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

C.7. Operating Requirements During Testing: As practical, visible emission testing of each transfer point shall be accomplished when transferring the dustiest material. A compliance test submitted when transferring the dustiest material (highest emission factor) shall allow the use, during the subsequent year until the next year's compliance test(s), of any material less dusty (according to the emission factors shown in Specific Condition No. F.1.). A compliance test submitted with a material that has a lower emission factor (less dusty) shall automatically limit the transfer of materials to the material test and those materials with a equal or lower emission factor (less dusty). If during the most recent compliance test it was impractical to test with the dustiest material, then conduct a new visible emission test during the next transfer of material with a higher emission factor (dustier).
[Rules 62-297.310(2), 62-297.310(7), and 62-4.070(3), F.A.C.]

RECORDS AND REPORTS

C.8. Recordkeeping Requirements: In order to demonstrate compliance with Specific Condition No. C.7. and to determine emissions per Subsection F. of Section 3., the permittee shall maintain the following records:

Daily: For each transfer point when operating. Since more than one front-end loader and/or truck associated with Emission Point No. 1 may transfer material to different outside storage piles, each front-end loader and each truck material transfer to each outside storage pile shall be tracked as detailed below.

a. Facility name, Facility ID (0810004), Emission Unit ID No. 014, Date (month/day/year)

b. Name of each material transferred.

c. Amount of each material transferred in tons.

d. Hours of transferring all materials.

Monthly: For all emission points.

e. Total amount of each material transferred in tons.

f. Total amount of all materials transferred in tons.

g. Total hours of transferring all materials. Do not double count simultaneous activities.

h. Most recent consecutive 12-month combined total amount of all materials transferred in tons.

i. Most recent consecutive 12-month period total hours of transferring all materials.

Daily records shall be completed within five (5) 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 three (3) years and made available to the Department upon request. [Rules 62-4.070(3) and 62-4.160(14), F.A.C.]

C.9. 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 document. All test reports shall be submitted to the Compliance Authority within 45 days of the testing. Each report shall include:

a. A copy of the daily log for the test day.

b. A copy of the monthly log for the month the test was conducted.

c. The name of the material transferred.

d. The actual material transfer rate during the test period.

e. The number and description of the emission point tested.

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

D. E.U. No. 015 – Materials from Piles to Trucks or Railcars

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
015	Material from outside storage piles is transferred by front-end loaders to trucks or railcars at a maximum transfer rate of 600 tons/hr.

PERFORMANCE RESTRICTIONS

D.1. Authorized Materials: The materials allowed to be transferred are listed in Specific Condition No. F.1.
[Rule 62-210.200(PTE), F.A.C.]

D.2. Permitted Capacity: The maximum material transfer rate of the front-end loader is considered to be constant (equivalent to 600 tons/hr.).
[Rule 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

D.3. Visible Emission Limitation: Visible emissions from the front-end loader to a truck or railcar shall not be equal to or greater than 20% opacity.
[Rule 62-296.320(4)(b), F.A.C.]

D.4. 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. Curtail operations or cease operations when necessary.

b. The front-end loader shall minimize the material drop height to the maximum extent, where feasible and possible.

c. Sweep roadways and other paved areas under permittee's control as necessary to prevent particulate matter from becoming airborne.

In order to determine if the above reasonable precautions are adequate, visible emissions from all activities should not exceed 10% opacity. If this value is exceeded, it will not be considered a violation in and of itself, but an indicator that additional reasonable precautions may be required.
[Rules 62-4.070(3) and 62-296.320(4)(c), F.A.C.]

TESTING REQUIREMENTS

D.5. Compliance Tests: Test the transfer of material from a front-end loader to a truck or railcar for visible emissions while handling an allowed material and, where practical, the material with the highest emission factor as shown in Specific Condition No. F.1 (dustiest material available) on the first day of operating this emission unit after the effective date of this permit and during each federal fiscal year (October 1st to September 30th) thereafter, to demonstrate compliance with the emissions standards for visible emissions.
[Rules 62-4.070(3) and 62-297.310(7), F.A.C.]

D.6. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

Method(s)	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.
[Rules 62-4.070(3), 62-204.800, and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

D7. Operating Requirements During Testing: As practical, visible emission testing shall be accomplished when transferring the dustiest material. A compliance test submitted when transferring the dustiest material (highest emission factor) shall allow the use, during the subsequent year until the next year's compliance test(s), of any material less dusty (according to the emission factors shown in Specific Condition No. F.1.). A compliance test submitted with a material that has a lower emission factor (less dusty) shall automatically limit the transfer of materials to the material test and those materials with a equal or lower emission factor (less dusty). If during the most recent compliance test it was impractical to test with the dustiest material, then conduct a new visible emission test during the next transfer of material with a higher emission factor (dustier).
[Rules 62-297.310(2), 62-297.310(7), and 62-4.070(3), F.A.C.]

RECORDS AND REPORTS

D.8. Recordkeeping Requirements: In order to demonstrate compliance with Specific Condition No. D.7. and to determine emissions per Subsection F. of Section 3., the permittee shall maintain the following records:

Daily (when operating)

a. Facility name, Facility ID (0810004), Emission Unit ID No. 015, Date (month/day/year)

b. Name of each material transferred.

c. Amount of each material transferred in tons.

d. Hours of transferring all materials.

e. Total amount of each material transferred in tons.

Monthly

f. Total amount of each material transferred in tons.

g. Total hours of transferring all materials.

h. Most recent consecutive 12-month combined total amount of all materials transferred in tons.

i. Most recent consecutive 12-month period total hours of transferring all materials.

Daily records shall be completed within five (5) 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 three (3) years and made available to the Department upon request. [Rules 62-4.070(3) and 62-4.160(14), F.A.C.]

D.9. 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 document. All test reports shall be submitted to the Compliance Authority within 45 days of the testing. Each report shall include:

a. A copy of the daily log for the test day.

b. A copy of the monthly log for the month the test was conducted.

c. The name of the material transferred.

d. The actual material transfer rate during the test period.

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

E. E.U. No. 016 – Ship's Belted Self Unloading Equipment to Storage Piles

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
016	Material from vessels (ships) is transferred by the ship's belt self unloading equipment to outside storage piles at a maximum transfer rate of 600 tons/hr.

PERFORMANCE RESTRICTIONS

E.1. Authorized Materials: The materials allowed to be transferred are listed in Specific Condition No. F.1.
[Rule 62-210.200(PTE), F.A.C.]

E.2. Permitted Capacity: The maximum material transfer rate of the vessel's (ship's) belted self unloading equipment shall not exceed 600 tons/hr., based on a daily average.
[Rule 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

E.3. Visible Emission Limitation: Visible emissions from this emission unit shall not be equal to or greater than 20% opacity.
[Rule 62-296.320(4)(b), F.A.C.]

E.4. 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. Curtail operations or cease operations when necessary.

b. The ship's belted self unloading equipment shall minimize the material drop height to the maximum extent, where feasible and possible.

In order to determine if the above reasonable precautions are adequate, visible emissions from all activities should not exceed 10% opacity. If this value is exceeded, it will not be considered a violation in and of itself, but an indicator that additional reasonable precautions may be required.
[Rules 62-4.070(3) and 62-296.320(4)(c), F.A.C.]

TESTING REQUIREMENTS

E.5. Compliance Tests: Test the ship's belted self unloading equipment when transferring material to a storage pile for visible emissions while handling an allowed material and, where practical, the material with the highest emission factor as shown in Specific Condition No. F.1 (dustiest material available) on the first day of operating this emission unit after the effective date of this permit and during each federal fiscal year (October 1st to September 30th) thereafter, to demonstrate compliance with the emissions standards for visible emissions. [Rules 62-4.070(3) and 62-297.310(7), F.A.C.]

E.6. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

Method(s)	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above method(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.
[Rules 62-4.070(3), 62-204.800, and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

E.7. Operating Requirements During Testing: As practical, visible emission testing shall be accomplished within 90 – 100% of the ship's belted self unloading equipment maximum material transfer rate of 600 tons/hr. for the transferred material and transferring the dustiest material. A compliance test submitted when transferring the dustiest material (highest emission factor) and transferring that material within 90 – 100% of 600 tons/hr. shall allow the use, during the subsequent year until the next year's compliance test(s), of any material equal to or less dusty (according to the emission factors shown in Specific Condition No. F.1.) and at the ship's belted self unloading equipment's maximum permitted material transfer rate (no greater than 600 tons/hr). A compliance test submitted with a material that has a lower emission factor (less dusty) or tested below 540 tons/hr. shall automatically:

a. Limit the transfer of materials to the material test and those materials with a equal or lower emission factor (less dusty), and

b. Limit the material transfer rate (tons/hr.) to 110% of the tested rate.

If during the most recent compliance test it was impractical to test with the dustiest material or within 90% of maximum material transfer rate of 600 tons/hr., then conduct a new visible emission test:

c. During the next transfer of material with a higher emission factor (dustier), or

d. During the next transfer of material at a material transfer rate more than 110% at which the most recent visible emission test was conducted at, but not greater than 600 tons/hr.

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

RECORDS AND REPORTS

E.8. Recordkeeping Requirements: In order to demonstrate compliance with Specific Condition No. E.7. and to determine emissions per Subsection F. of Section 3., the permittee shall maintain the following records:

Daily (when operating)

a. Facility name, Facility ID (0810004), Emission Unit ID No. 016, Date (month/day/year)

b. Name of material being transferred.

c. Hours of transferring material.

d. Amount of material transferred in tons.

e. Daily average amount of material transferred in tons/hr.

Monthly

f. Total amount of each material transferred in tons.

g. Total hours of each material transferred.

h. Most recent consecutive 12-month period total amount of all materials transferred in tons.

i. Most recent consecutive 12-month period total hours of transferring all materials.

Daily records shall be completed within five (5) 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 three (3) years and made available to the Department upon request. [Rules 62-4.070(3) and 62-4.160(14), F.A.C.]

E.9. 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 document. All test reports shall be submitted to the Compliance Authority within 45 days of the testing. Each report shall include:

a. A copy of the daily log for the test day.

b. A copy of the monthly log for the month the test was conducted.

c. The name of the material transferred.

d. The actual material transfer rate during the test period.

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

F. Common Conditions for Emission Unit Nos. 012, 013, 014, 015, and 016

This section of the permit addresses the following emissions units.

Facility ID No. 0810004	
ID No.	Emission Unit Description
012	Ship Unloading Material to Trucks
013	Ship Unloading Material to Storage
014	Material from Front-end Loaders and Trucks Transferred to Piles
015	Materials from Piles to Trucks or Railcars
016	Ship's Belted Self Unloading Equipment to Storage Piles

PERFORMANCE RESTRICTIONS

F.1. Authorized Materials: The materials allowed to be transferred at these emission units are as follows:

Material(s)	Moisture % (1)	Emission Factor "E" (lbs./ton) (2)	Comments
Bauxite (without dust suppressant)	N/A	1.1	See Note (3)
Potassium Nitrate (PPN)	0.10	0.24	Prilled Product
Sodium Potassium Nitrate/Soda Pot	0.13	0.17	Prilled Product
Standard Muriate of Potash	0.13	0.17	Fine Grade
Granular Sulfate of Potash-Magnesium (KMAG)	0.15	0.14	Granulated Product
Std. Sulfate of Potash-Magnesium (KMAG)	0.15	0.14	Fine Grade
Granular Muriate of Potash	0.18	0.11	Granulated Product
Ammonium Nitrate (AN)	0.18	0.11	Prilled Product
Portland Cement Clinker	0.2	0.092	
Calcium Ammonium Nitrate (CAN)	0.30	0.052	Prilled Product
Urea	0.40	0.035	Prilled Product
Salt/Evaporative Salt/Sea Salt	0.50	0.026	Lumps/Pellets
Grains	1.00	0.0097	See Note (4)
Magnetite/Ferrous Oxide	1.00	0.0097	See Note (4)
Millscale	1.00	0.0097	See Note (4)
Lime	1.00	0.0097	See Note (4)
Fly Ash/Bed Ash	1.00	0.0097	See Note (4)
Petcoke/Coke	1.00	0.0097	See Note (4)
Monoammonium Phosphate (MAP)/ Granular Monoammonium Phosphate (GMAP)/Standard	1.00	0.0097	Prilled/Granular Products

F. Common Conditions for Emission Unit Nos. 012, 013, 014, 015, and 016

Material(s)	Moisture % (1)	Emission Factor "E" (lbs./ton) (2)	Comments
Monoammonium Phosphate (SMAP)/GMAP 1152/ GMAP 1050/Potassium Monoammonium Phosphate (KMAP)			Materials Not Oiled
Diammonium Phosphate (DAP)	1.00	0.0097	Prilled Product
Standard Sulfate of Potash (SOP)	1.00	0.0097	Fine Grade
Granular Sulfate of Potash (SOP)	1.00	0.0097	Granulated Product
Ammonium Sulfate (AS)	1.00	0.0097	Granulated Product
Gravel	ND	0.0069	See Note (5)
Stone/Rock	ND	0.0069	See Note (5)
Granular Triple Super Phosphate (GTSP)	1.50	0.0055	Prilled Product
Magnesium Sucrate	1.50	0.0055	
Sugar	1.60	0.0050	
Glass/Glass Cullets	1.70	0.0046	Chips
Animal Feed Phosphate/Biofos/Dynaphos/Bio Feed/Biofeed/Bio Feed (M)/Biofeed (M)/Animal feed Ingredient (AFT)/Feed/DiCal/MCP/DCP	1.8	0.0043	
Phosphate Rock/Phos. Rock	2.00	0.0037	Fine Product
Sand/Rutile Sand/Mineral Sand/Silica	2.00	0.0037	
Compound/Mixed Fertilizers/ANK/Ammonium Nitrate with Potassium/21-0-21	3.00	0.0021	
Ferrous Sulfate/Iron Ore	4.00	0.0014	See Note (6)
Coal Slag/Slag	4.00	0.0014	See Note (6)
Iron Scrap Metal	4.00	0.0014	See Note (6)
Wood Chips	4.00	0.0014	See Note (6)
Filler Material	4.00	0.0014	See Note (6)
Peanut Hulls	4.00	0.0014	See Note (6)
Bauxite (with dust suppressant)	4.00	0.0010	Polymer is applied to reduce/eliminate visible emissions
Monoammonium Phosphate (MAP)/ Granular Monoammonium Phosphate (GMAP)/Standard Monoammonium Phosphate		0.0010	Prilled/Granular Products Materials Are Oiled

F. Common Conditions for Emission Unit Nos. 012, 013, 014, 015, and 016

Material(s)	Moisture % (1)	Emission Factor "E" (lbs./ton) (2)	Comments
(SMAP)/GMAP 1152/ GMAP 1050/Potassium Monoammonium Phosphate (KMAP)			
Lime Rock Stone/Aggregate	5.20	0.0010	Pebbled Product
Dolomite	5.20	0.0010	
Vermiculite/Verlite	6.50	0.00070	Medium-sized flakes
Coal	8	0.00050	Lumps
Citrus Pellets/Citrus Chips or Flakes	9.30	0.00040	Pelletized, moist
Gypsum	10.00	0.00040	
Kieserite/MGO	12.00	0.00030	High Moisture
Calcium Nitrate (CN)	15.00	0.00020	Prilled Product
Pumice	16.00	0.00020	Aggregates
Aluminum Hydrate	34.50	0.00010	Granules to lumps

Notes:

(1) – Percent moisture is based upon a conservative estimate averaged from material supplier information, unless otherwise noted.
(2) – Reference AP-42, Section 13.2.4.3 (1) – Continuous Drop Equation, where k = 0.74 and U = 7
(3) – AP-42, Table 11.24.2 – Metallic Minerals Processing
(4) – Low moisture content of 1% assumed based on operation experience and product knowledge.
(5) – AP-42, Table 11.12-2, Concrete Batching – Aggregate Transfer
(6) – High moisture content of 4% assumed based on operational experience and product knowledge.
ND – No Data
N/A – Not Applicable

Materials shown above are ranked from being expected to produce the most emissions (top) to the least emissions (bottom). Materials that are not listed above and have an "Emission Factor" equal to or greater than 0.0097 must have prior approval from the Department before being handled. Materials that are not listed above and have an "Emission Factor" less than 0.0097 do not need prior approval from the Department before being handled. Written notification of the material(s) data showing rank of dustiness must be submitted to the Department whether prior approval is needed or not. The written notification and material data, for the material(s) that need prior Department approval, shall be submitted far enough in advance so the Department can properly process the request in accordance with the applicable regulations. The written notification and material data, for the material(s) that do

not need prior Department approval, shall be submitted at least 3 working days prior to the date of handling the material(s).
[Rules 62-4.070(3) and 62-210.200 (PTE), F.A.C.]

F.2. Restricted Operation: The hours of operation of these emission unit are not limited (8760 hours per year).
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

F.3. Particulate Matter Emission Limitation: Particulate matter emissions from these emission units combined shall not exceed 64 tons per any consecutive 12-month.
[Rule 62-210.200(PTE), F.A.C.]

TESTING REQUIREMENTS

F.4. Test Requirements: Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. Additionally, each visible emission test shall be conducted by a certified observer and be no less than 30 minutes in duration.
[Rules 62-297.401 and 62-297.310, F.A.C.]

NOTIFICATION REQUIREMENTS

F.5. Test Notification: The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test.
{*Permitting Note: The notification should also include the relevant emission unit ID No(s)., test method(s) to be used, and pollutants to be tested.*}
[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDS

F.6. Recordkeeping Requirements: In order to demonstrate compliance with Specific Condition Nos. F.1. and F.3., the permittee shall maintain the following monthly records:

For each transfer point/activity associated with each emission unit:

a. Facility name, Facility ID (0810004), Emission Unit ID No., Date (month/year)

b. Identify the emission point/activity.

c. Name of each material being transferred.

d. Amount of each material transferred in tons.

e. Particulate matter emission factor and control efficiency, if applicable, for each material.

f. Tons of particulate matter emissions for each material.

g. Tons of particulate matter emissions for all materials.

h. The most recent consecutive 12-month total tons of particulate matter emissions for all materials.

For each emission unit

i. Facility name, Facility ID (0810004), Emission Unit ID No., Date (month/year)

j. Tons of particulate matter emissions for each material.

k. Tons of particulate matter emissions for all materials.

l. The most recent consecutive 12-month total tons of particulate matter emissions for all materials.

For all five (5) emission units.

m. Facility name, Facility ID (0810004), Emission Unit ID Nos. 012, 013, 014, 015, and 016, Date (month/year)

n. Tons of particulate matter emissions for each material.

o. Tons of particulate matter emissions for all materials.

p. The most recent consecutive 12-month total tons of particulate matter emissions for all materials.

The monthly records shall be completed by the end of the following month. These records shall be maintained at the facility for at least three (3) years and made available to the Department upon request. {Permitting Note: The emission calculations should be similar to the emission calculations as presented in Attachment 7 of the permittee's additional information letter dated November 12, 2010, from their consultant Malcom Pirnie, Inc.} [Rules 62-4.070(3) and 62-4.160(14), F.A.C.]