Florida Department of Environmental Protection

Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637-0926

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

FINAL PERMITS

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 Nos. 0810004-018-AC
0810004-017-AO
(Also Incorporates Project No. 0810089-007-AO)
Permits Expire: 06/30/2011 (AC)
09/02/2013 (AO)
Minor Air Construction and Operation Permits
Project Name: Dry Bulk Material Handling and Storage Facility

These are the final air construction and operation permits, in one document. These permits authorize construction modifications and operations of a dry bulk material handling and storage facility.

The proposed work is conducted at Port Manatee (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 these final permits, no changes or only minor changes and clarifications were made to the draft permits.

This final document is organized by the following sections:

- Section 1. General Information
- Section 2. Administrative and Facility-Wide Requirements
- Section 3. Emissions Unit Specific Conditions
- Section 4. Appendices

Because of the technical nature of the project, this document contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this document.

These air pollution permits are 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 these permits. 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 these final permits, 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 Permits 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
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Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

_____ _____
(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 Unloading Building, Baghouse No. 1 (Previously No. 12)
002	Railcar Unloading Building, Baghouse No. 2
003	Railcar Unloading Builiding, Baghouse No. 3
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)
008	Surge Hopper, Baghouse No. 8 (Previously No. 1)
009	Ship East Hold w/baghouse(s): receives material from the east shiploader
010	Ship West Hold w/baghouse(s): receives material from the west shiploader
012	Ship Unloading Salt to Trucks
013	Ship Unloading Salt to Storage

Facility ID No. 0810089	
ID No.	Emission Unit Description
001	Bulk Materials Unloading Stevedoring Operation

Project Description and Affected Emission Units

The modifications and operations are described below:

- Emission Unit No. 012 – Ship Unloading Salt to Trucks and Emission Unit No. 013 – Ship Unloading Salt to Storage authorized in Construction Permit No. 0810004-016-AC are incorporated into Operation Permit No. 0180004-015-AO by Operation Permit No. 0810004-017-AO.
- Continued operation of Emission Unit No. 001 – Bulk Materials Unloading Stevedoring Operation in Air Operation Permit No. 0810089-006-AO by Operation Permit No. 0810004-017-AO (originally assigned project No. 0810089-007-AO). This emission unit is now part of Emission Unit No. 012 – Ship Unloading Material to Trucks.
- Increase the maximum combined amount of salt received by Emission Unit Nos. 012 and 013 from 250,000 tons per any consecutive 12-month period (150,000 tons from Facility ID No. 0810004 + 100,000 tons from previous Facility ID No. 0810089) **<u>to</u>** 290,000 tons per any consecutive 12-month period by Construction Permit No. 0810004-018-AC.

- Increase the amount of salt received by Emission Unit No. 013 from 150,000 tons per any consecutive 12-month period to 190,000 tons per any consecutive 12-month period by Construction Permit 0810004-018-AC.
- Allow material associated with Emission Unit No. 012 to be also unloaded from marine vessels by belted self unloading equipment, instead of by only clamshells, along with the option to use a double hopper, a single hopper, or two (2) single hoppers by Air Operation Permit No. 0810004-017-AO.
- Allow salt associated with Emission Unit No. 013 to be also unloaded from marine vessels by belted self unloading equipment, instead of only by clamshells by Air Operation Permit No. 0810004-017-AO.
- Delete the phosphate product throughput limitations for Warehouse Nos. 2 and 4 along with the associated recordkeeping requirements by Construction Permit No. 0810004-018-AC. These requirements, to show the facility was exempt from 40 CFR 60, Subpart X – Standards of Performance for the Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities are no longer necessary, since the applicability of this regulation was changed on April 15, 1997.
- Allow the portion of the Common Dock Belt No. 7 associated with Emission Unit No. 013 that allows Hopper Nos. 3 and 4 to travel east and west above the belt to not have 180 degree top covers by Construction Permit No. 0810004-018-AC. The names of Common Dock Belt No. 7, Conveyor Belt No. 6, Conveyor Belt No. 5, and Incline Belt No. 4 associated with Emission Unit No. 013 are changed to Common Dock Belt No. 7S, Conveyor Belt No. 6S, Conveyor Belt No. 5S, and Incline Belt No. 4S.
- Delete the requirement that Warehouse No. 3 be fully enclosed when material is being transferred by Construction Permit No. 0810004-018-AC by: 1) Deleting the requirement that the doors associated with Warehouse No. 3 be closed when material is being transferred and 2) Allowing Warehouse No. 3 to install passive roof vents (e.g., wind turbines) and inlet fans.
- Allow the operation of a dry bulk material handling and storage facility currently authorized by Air Operation Permit Nos. 0810004-015-AO and 0810089-006-AO by Air Operation Permit 0810004-017-AO.
- Increase the maximum allowable 5,000 hours of operation per any consecutive 12-month period for each baghouse associated with Emission Unit Nos. 001, 002, 003, 005, 006, 007, and 008 to 6,000 hours of operation per any consecutive 12-month period by Construction Permit No. 0810004-018-AC.
- Increase the allowable particulate matter emission rate of each baghouse associated with Emission Unit Nos. 001, 002, 003, 005, 006, 007, and 008 from 0.6 lbs./hr. and 1.5 tons/yr. to 0.7 lbs./hr. and 2.1 tons/yr. by Construction Permit No. 0810004-018-AC.
- Change the amount of salt that the hoppers associated with Emission Unit No. 013 can receive from a combined total of 600 tons/hr. based on daily average for both hoppers to 300 tons/hr. based on a daily average for each hopper.

Therefore, these projects result in the following emission units for the synthetic non-Title V facility.

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

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

Permitting Notes:

- The two existing Hopper Nos. 3 and 4 along with existing Conveyor Belt Nos. 4S, 5S, 6S, and 7S associated with Emission Unit No. 013 are owned by a different facility (Facility ID No. 0810011).

- 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.

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
Replaces Operation Permit Nos. 0810004-015-AO and 0810089-006-AO.
Replaces All Previous Construction Permits for facilities Nos. 0810004 and 0810089.
Incorporate terms and conditions of Construction Permit 0810004-016-AC.

SECTION 2. ADMINISTRATIVE AND FACILITY-WIDE REQUIREMENTS (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 document:
   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
   e. ATTACHMENT A – Table with List of Materials, Maximum Throughput Values, Emission Information, etc. for Emission Unit No. 012.

4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this document, 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 these permits 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. Operation Permit Renewal Application: A completed application for renewal of the operation permit shall be submitted to the Permitting Authority no later than 60 days prior to the expiration date of the operation permit. To properly apply for an 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. copies of the most recent annual compliance test reports required by Specific Condition Nos. A.18., A.22., B.13., and C.11., if not previously submitted.

    [Rules 62-4.030, 62-4.050, 62-4.070(3), 62-4.090, 62-210.300(2), and 62-210.900, F.A.C.]

A. EU Nos. 001, 002, 003, 005, 006, 007, 008, 009, and 010

This section of the document addresses the following emission units.

ID Nos.	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 Hold, receives material from the east shiploader (gantry).
010	Ship Hold, receives material from the west shiploader (gantry).

These emission units receive dry bulk materials by railcar, truck, or from a warehouse. Each material allowed to be received and/or handled is ranked as to its potential to emit and further described in Specific Condition No. A.1. below.

Trucks are unloaded at the truck unloading building and railcars or trucks are unloaded at the railcar/truck unloading building. The unloading buildings may be operated simultaneously. One truck at a time is unloaded at the Truck Unloading Building at an expected maximum truck unloading rate of 500 tons/hr. Material is transferred from the Truck Unloading Building to an underground Truck Unloading Building Belt, which transfers the material to Conveyor Belt No. 7, Conveyor Belt No. 19, or Conveyor Belt No. 8 via a transfer tower. Material from the unloading buildings is transferred by a conveyor belt system to one of four warehouses for storage or conveyed directly to a ship/barge. The warehouses are designated as Warehouse Nos. 1 (southwest), 2 (northwest), 3 (southeast), and 4 (northeast). The conveyor belt system is also used to transfer stored material from the warehouses to the east and/or west shiploader gantry for loading on a ship. Emissions from the railcar/truck unloading building are controlled by Baghouse Nos. 1 (southeast), 2 (northeast), and 3 (northwest), which shall all be operating when railcars or trucks are unloaded. Baghouse No. 5 (Top F-Belt Tower), No. 6 (Scale House), No. 7 (Transfer Tower East Side of Warehouse No. 1), and No. 8 (Top of Silo (Surge Hopper) before Scale House) control emissions from the conveyor belt system, which shall be operating when the associated part of the conveyor system is in operation. Note, Baghouse No. 6 only controls emissions from Belt H to Belt 1 in the Scale House, which transfers material to only the East Gantry.

The east shiploader gantry and west shiploader gantry may operate simultaneously. Note, the common conveyor belt system that feeds both shiploaders is designed to transfer no more than a total of 1,200 tons/hr. (daily average) of material. Each ship's hold may have its unconfined particulate emissions controlled by 1 or 2 portable baghouses.

Dust suppressant spray bars located with the equipment (hopper/belt) under the railcar unloading building and on Conveyor Belt F prior to entering the surge tank may be used.

A. EU Nos. 001, 002, 003, 005, 006, 007, 008, 009, and 010

PERFORMANCE RESTRICTIONS

A.1. Authorized Materials: These emission units may receive the following listed materials:

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 Monoammonium Phosphate (SMAP)/GMAP 1152/ GMAP 1050/Potassium Monoammonium Phosphate (KMAP)	1.00	0.0097	Prilled/Granular Products 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	

A. EU Nos. 001, 002, 003, 005, 006, 007, 008, 009, and 010

Material(s)	Moisture % (1)	Emission Factor "E" (lbs./ton) (2)	Comments
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 (SMAP)/GMAP 1152/ GMAP 1050/Potassium Monoammonium Phosphate (KMAP)		0.0010	Prilled/Granular Products Materials Are Oiled
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 <u>need prior Department approval</u>, 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 <u>not need prior Department approval</u>, 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.]

A.2. <u>Operation Limitation</u>: The East Shiploader and West Shiploader may operate simultaneously.
[Rules 62-4.070(3) and 62-210.200 (PTE), F.A.C.]

A.3. <u>Operation Limitation</u>: Baghouse Nos. 1, 2, and 3, that control emissions from the railcar/truck building, shall be in operation when unloading material from railcars and/or trucks.
[Rules 62-4.070(3) and 62-210.200 (PTE), F.A.C.]

A.4. <u>Operation Limitation</u>: Baghouse Nos. 5, 6, 7, and 8 control emissions from the conveyor belt system, which shall be operating when the associated part of the conveyor system is in operation. Note, Baghouse No. 6 only controls emissions from Belt H to Belt 1 in the Scale House, which transfers material to only the East Gantry.
[Rules 62-4.070(3) and 62-210.200 (PTE), F.A.C.]

A.5. Operation Limitation: The **approximate design speed** of each conveyor belt is as follows:

Emission Unit ID	Baghouse No.	Associated Conveyor Belt	Approximate Design Speed (feet/minute)
001	1	Belt 6	550
002	2	Belt 6	550
003	3	Belt 6	550
005	5	Top F-Belt Tower	580
006	8	Scale House (Belt H to Belt 1)	415
007	7	Transfer Tower East Side of Warehouse No. 1, Belt 19	655
008	8	Belt F to Silo	540
009	May use 1 or 2 Portable Baghouses	Shiploading Belt (East Gantry)	550
010	May use 1 or 2 Portable Baghouses	Shiploading Belt (West Gantry)	565

When product is loaded onto the conveyor belts, the belt speed may decrease due to the product load.
[Rules 62-4.070(3) and 62-210.200 (PTE), F.A.C.]

A.6. Operation Limitation: The ship loading rate shall not exceed 1,752,000 tons per any consecutive 12-month period.
[Rules 62-4.070(3) and 62-210.200 (PTE), F.A.C.]

A.7. Operation Limitation: Operation of Baghouse Nos. 1, 2, 3, 5, 6, 7, and 8 shall each not exceed 6,000 hours per any consecutive 12-month period.
[Rules 62-4.070(3) and 62-210.200 (PTE), F.A.C.]

EMISSIONS STANDARDS

A.8. Emission Limitation: The maximum allowable particulate matter emission rate from each baghouse (except the baghouses that may be used in the ship's holds to control unconfined particulate matter) shall not exceed 0.7 lbs./hr. and 2.1 tons/yr., in order to qualify for the particulate RACT exemption in Rule 62-296.700(2)(a), F.A.C.
[Rules 62-4.070(3) and 62-210.200 (PTE), F.A.C.]

A.9. Emission Limitation: Visible emissions from each baghouse (except the baghouses that may be used in the ship's holds to control unconfined particulate matter) shall not exceed 5% opacity.
[Rule 62-297.620(4), F.A.C.]

A.10. Emission Limitation: Visible emissions from the ship's holds and ship's holds baghouses, if used, shall not be equal to or exceed 20% opacity.
[Rule 62-296.320(4)(b), F.A.C.]

A.11. Circumvention and Other Requirements: No person shall circumvent any air pollution control device, or allow the emissions of air pollutants without the applicable air pollution control device operating properly.
[Rules 62-210.650 and 62-4.070(3), F.A.C.]

A.12. All reasonable precautions shall be taken to prevent and control generation of unconfined particulate matter. These provisions are 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, storing and handling. Additionally, the following work practices shall be followed:

a. Any spills of material shall be cleaned up as soon as possible by shovel and then by sweeping before the end of the next shift . Uncontaminated material shall be placed in a warehouse. Contaminated material shall be stockpiled in a designated area in a warehouse.

b. All warehouse doors, except Warehouse No. 3, exposed to wind draft are to be closed when material is being transferred inside that warehouse. The two (2) warehouse doors on Warehouse No. 3 may remain open.

c. When transferring material, the railcar/truck and truck unloading buildings shall each have draping (plastic or rubber strips) on their associated east/west entrance and exit. The entrances and exits shall be completely draped (top to bottom and side to side) when no railcar or truck is blocking the entrance or exit. If a railcar or truck is blocking an entrance or exit the draping should cover all open areas between the building and the railcar or truck.

d. At least one (1) certified visible emission observers shall be at the terminal when material is being transferred to the ship's hold(s). The ship's hold(s) loading operations shall be observed by the permittee's personnel at all times. It is the permittee's protocol that in the event that an employee overseeing the ship's hold(s) loading operations sees any visible emissions (>5% opacity) during the loading process, then a supervisor will be notified and the certified visible emission observer will be called in to observe the loading process to ensure compliance with the visible emission standards.

e. If visible emissions above a ship's receiving hold during loading are observed by a certified EPA Method No. 9 reader to be sustained and constant at a level of 10% opacity or higher and not an anomaly or an individual occurrence, such as an isolated "puff", the permittee shall implement work practices. The work practices may include but are not limited to: 1) reduce loading rate(s); 2) use of additional dust suppressant where

applicable; 3) use of tarpaulins or other containment strategies; and 4) use of portable baghouses.

f. The transfer tower located at the northwest corner of Warehouse No. 2 shall be enclosed to the maximum extent possible while allowing access for operational equipment and maintenance functions.

g. The transfer tower located at the west end on Warehouse No. 2 shall be enclosed to the maximum extent possible while allowing access for operational equipment and maintenance functions.

h. The transfer tower located at the southwest end of Warehouse No. 4 shall be enclosed to the maximum extent possible while allowing access for operational equipment and maintenance functions.

i. The transfer tower located where Belts 7, 13, and 13A join shall be enclosed to the maximum extent possible while allowing access for operational equipment and maintenance functions.

j. The above ground enclosure where material from Warehouse No. 2 is transferred to Belt 12 shall be enclosed to the maximum extent possible while allowing access for operational equipment and maintenance functions.

k. The transfer tower located where Belts 6, 7, 8, 19, and the truck unloading building belt join shall be enclosed to the maximum extent possible while allowing access for operational equipment and maintenance functions.

l. The above ground enclosure on the north side of the railcar/truck unloading building shall be enclosed to the maximum extent possible while allowing access for operational equipment and maintenance functions.

m. The transfer tower where Belts E, F, K, 13, 13A, and 14 join shall be enclosed to the maximum extent possible while allowing access for operational equipment and maintenance functions.

n. The transfer tower where Belts K and J join shall be enclosed to the maximum extent possible while allowing access for operational equipment and maintenance functions.

o. Belt G to Belt H transfer point inside the scale house shall be enclosed to the maximum extent possible while allowing access for operational equipment and maintenance functions.

p. The scale house shall be enclosed to the maximum extent possible while allowing access for operational equipment and maintenance functions.

q. The transfer point located between the west shiploader (gantry) and Belt 1B exiting the Scale House shall be enclosed to the maximum extent possible while allowing access for operational equipment and maintenance functions.

r. All conveyor belts shall have a 180 degree top enclosure, except the east gantry conveyor between the gantry and the ship.

s. A telescoping chute shall be used for loading into the ship hold and the distance from the bottom of the chute to the material in the hold shall be minimized to the extent possible.

t. Use water sprays where applicable and practicable.

u. Use of dust suppressants on materials where possible and practicable.

v. 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.

w. Curtail operations or cease operations when necessary.

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

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

A.13. Reasonable Assurance: In order to provide reasonable assurance the control measures or practices at this facility are adequate, all sources of unconfined emissions should not exceed 5% opacity (except the ship's hold). The ship's hold during loading operations should not exceed 10% opacity. If these opacity limits are exceeded, they shall not be considered a violation in and of itself, but an indication additional control measures or practices may be necessary.
[Rules 62-4.070(3) and 62-210.200 (PTE), F.A.C.]

TESTING REQUIREMENTS

A.14. Compliance Tests: Test each baghouse (Nos. 1, 2, 3, 5, 6, 7, and 8), the ship's hold(s) for visible emissions annually during each federal fiscal year (October 1 – September 30). A ship's hold shall be tested while receiving material from the east shiploader (gantry) and a ship's hold shall be tested while receiving material from the west shiploader (gantry).
{Permitting Note: If the ship's hold baghouses are used they are not required to conduct routine scheduled testing.}
[Rules 62-297.310(7) and 62-4.070(3), F.A.C.]

A.15. Test Requirements: Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this document.
[Rule 62-297.310, F.A.C.]

A.16. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

Method(s)	Description of Method and Comments
1,2,4	Traverse Points, Velocity and Flow Rate, and Moisture Content*
5	Determination of Particulate Matter Emissions from Stationary Sources*
9	Visual Determination of the Opacity of Emissions from Stationary Sources

* When requested by the Department in accordance with No. 4.b. of the attached Appendix D, EPA Methods 1, 2, 4, and 5 shall be used to demonstrate compliance with the particulate matter emission limitation of Specific Condition No. A.8. for Baghouse Nos. 1, 2, 3, 5, 6, 7, and 8.

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 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

A.17. Emission Test Method Requirement: Each visible emission test shall be conducted by a certified observer and be no less than 30 minutes in duration.
[Rules 62-297.310 and 62-4.070(3), F.A.C.]

A.18. Operating Requirements During Testing: Testing of emissions shall be conducted when handling Bauxite (without dust suppressant) and with each associated conveyor belt operating at its constant belt speed. A compliance test submitted when handling a material which is ranked below Bauxite (without dust suppressant) as shown in Specific Condition No. A.1., shall automatically constitute an amended permit allowing only the handling of the material tested along with materials which are ranked below that material tested. Handling a material that is ranked above (more dusty) the material that was handled during the most recent compliance is allowed for no more than 15 consecutive days for the purpose of

additional testing. The test report(s) shall be submitted to the Compliance Authority within 45 days of testing. Acceptance of the test(s) by the Department will constitute an amended permit with the higher ranked (dustier) material. Submit all test report(s) with a copy of the Daily and Monthly records for the test period as required by Specific Condition No. A.21. [Rules 62-297.310(2), 62-297.310(8), and 62-4.070(3), F.A.C.]

NOTIFICATION REQUIREMENTS

A.19. 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.]

A.20. Activation of Truck Unloading Building: As of the effective date of this permit, the Truck Unloading Building is considered to be in an "inactive status". Prior to when the permittee intends to place the Truck Unloading Building back in operation, the building shall be re-skinned (e.g., the plywood sheets of the building walls will be replaced). At least 30 days prior to placing the Truck Unloading Building back in operation, the permittee shall provide such date to the Compliance Authority in writing.
[Rule 62-4.070(3), F.A.C.]

RECORDS AND REPORTS

A.21. Daily and Monthly Logs: In order to document compliance with Specific Condition Nos. A.6. and A.7., the permittee shall maintain the following records/logs for each operational day of the effected equipment:

DAILY

a. Date

b. Name of material(s) being loaded onto the ship.

1. Number of hours loading the ship for each ship loader.
2. Amount of material loaded for each ship loader, in tons.
3. Total number of hours loading the ship from both ship loaders. Do not double-count the hours when both shiploaders are operating simultaneously. These hours will be used to determine the operating time for Baghouse Nos. 6 and 8.
4. Total amount of material loaded from both ship loaders, in tons.

c. Name of material(s) being unloaded from trucks and/or railcars in the railcar/truck unloading building.

1. Number of hours unloading the trucks and/or railcars. This time may include the time when material is not unloaded due only to short-term truck/railcar movement (< 5 minutes/movement). These hours will be used to determine the operating time for Baghouse Nos. 1, 2, and 3.

d. Name of material(s) being unloaded from trucks in the truck unloading building.

e. Number of hours of operating Baghouse No. 5.

f. Number of hours of operating Baghouse No. 7.

Monthly

g. Total number of operating hours for each ship loader.

h. The most recent consecutive 12-month period total operating hours for each ship loader.

i. Number of operating hours for each baghouse (Nos. 1, 2, 3, 5, 6, 7, and 8).

j. The most recent consecutive 12-month period total operating hours for each baghouse (Nos. 1, 2, 3, 5, 6, 7, and 8).

k. The total amount of material loaded onto ships, in tons.

l. The most recent consecutive 12-month period total of materials loaded onto ships, in tons.

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.22. 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. Also see the requirements of Specific Condition No. A.18. [Rule 62-297.310(8), F.A.C.]

A.23. Additional Requirements: The permittee shall comply with the following:

a. To prevent recurrence of potential noncompliance issues, existing facility inspection protocols shall be modified to require the Terminal and Environmental Managers or a designated representative to conduct monthly reviews of pollution control equipment inspections and maintenance verification to ensure that they are functioning properly. A "designated representative" means an individual of management or supervisor level and will have sufficient knowledge of the workings of the pollution control equipment. These inspections will be tracked using the facility's preventive maintenance software system (i.e., Dossier), and monthly EHS compliance calendar. A computer generated compliance tool shall be utilized, which sends email reminders for specific compliance tasks and requires responsible persons to respond with completion or exception notices for tracking these tasks, to ensure compliance.

b. The permittee shall maintain logs/records to document compliance with the requirements of Specific Condition No. A.23.a. These records shall contain at a minimum the following:

1. Date of when corrective actions, maintenance, and/or observations were performed.
2. Name and signature of who performed the corrective actions, maintenance, and/or observation.
3. Identification of the piece of equipment (baghouse, conveyor belt, transfer tower, east shiploader, etc.) being maintained, observed, and/or having corrective actions taken.
4. A statement describing what observations were performed.
5. A statement describing the condition of the equipment.
6. A statement describing what corrective actions and/or maintenance were performed, if necessary.

c. The logs/records required in Specific Condition No. 23.b. shall be:

1. Completed by the end of the following month.
2. Made available to the Department upon request.
3. Maintained at the facility in a hard-copy or electronic format for at least three (3) years.

The requirements of this condition shall be replaced 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.]

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

This section of the document 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 one (1) dedicated single hopper, to two (2) dedicated single hoppers, or to one (1) dedicated double hopper. The double hopper consists of the two (2) dedicated single hoppers placed side by side with a common material splitter. Each hopper receives salt at a maximum rate of 300 tons/hr. based on a daily average. Materials other than salt received at each hopper are limited to the maximum transfer rate as shown in ATTACHMENT A and are also 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 hopper based on a daily average. Under each hopper is a truck loading station where material is transferred to a truck. Each hopper is capable of transferring salt to a truck located under the hopper for off-site shipment or inside storage at a maximum transfer rate of 300 tons/hr. based on a daily average. Materials other than salt transferred from each hopper to a truck located under the hopper for off-site shipment or inside storage are limited to the maximum transfer rate shown in ATTACHMENT A and are also based on a daily average. 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

B.1. Authorized Materials: The materials allowed to be received and their maximum throughput rates are as follows:

Material*	Tons per any consecutive 12-month period
Urea	30,000
Phosphate Products (DAP, MAP, GTSP)	400,000
Dolomite, un-dried	100,000
Lime Rock	25,000
Scrap Iron	400,000
Shale	25,000
Glass	25,000
Iron Ore	25,000
Salt	290,000**
Potash	25,000
Alumina Hydrate	35,000

Sand	100,000
Slag	18,000
Phosphate Rock, un-dried	50,000
Stone/Rock	100,000
Coal	150,000
Gypsum	25,000
Pumice	50,000
Bauxite	25,000
Gravel	50,000

* For visible emission testing the emission factors shown in ATTACHMENT A shall be used to determine which material is dustier than another material.

** This value is the total amount of salt received by Emission Unit Nos. 012 and 013 combined.

Although Cement Clinker and Fertilizer are listed in ATTACHMENT A, they are not authorized to be received.
[Rules 62-4.070(3) and 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)/Ship's belted self unloading equipment:

1. 600 tons/hr.* for salt based on a daily average.
2. For materials other than salt, the tons/hr. rate* as shown on ATTACHMENT A based on a daily average.

b. Clamshell(s)/Ship's belted self unloading equipment to Hopper No. 1:

1. 300 tons/hr. for salt based on a daily average.
2. For materials other than salt, the tons/hr. rate as shown on ATTACHMENT A based on a daily average.

c. Clamshell(s)/Ship's belted self unloading equipment to Hopper No. 2:

1. 300 tons/hr. for salt based on a daily average.
2. For materials other than salt, the tons/hr. rate as shown on ATTACHMENT A based on a daily average.

d. Clamshell(s)/Ship's belted self unloading equipment to a Double Hopper with a common material splitter:

1. 600 tons/hr. for salt based on a daily average.

2. For materials other than salt, double the tons/hr. rate to a "hopper" as shown on ATTACHMENT A based on a daily average, since the common material splitter is considered to transfer 50% of the material it receives to each hopper.

e. Hopper No. 1 to Truck:

1. 300 tons/hr.** for salt based on a daily average.
2. For material other than salt, the tons/hr. rate** shown on ATTACHMENT A based on a daily average.

f. Hopper No. 2 to Truck:

1. 300 tons/hr.** for salt based on a daily average.
2. For material other than salt, the tons/hr. rate** shown on ATTACHMENT A 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.]

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

B.4. 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" and "HOPPER No. 2".

b. Hopper Nos. 1 and 2 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

B.5. 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 common material splitter on the double hopper.

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

B.6. 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

B.7. Compliance Tests: Test each emission point while handling an allowed material and, where practical, the material with the highest emission factor as shown in ATTACHMENT A (most dusty material available) on the first day of operating this emission unit after the effective date of these permits 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 and 3.
[Rules 62-4.070(3) and 62-297.310(7), F.A.C.]

B.8. Test Requirements: Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. Additionally, each test shall be for a minimum of 30 minutes.
[Rules 62-297.401 and 62-297.310, F.A.C.].

B.9. Operating Requirements During Testing: As practical, visible emission testing of each transfer point shall be accomplished within 90 – 100% of the maximum hopper's loading rate for the transferred material as listed in ATTACHMENT A, except for the hopper's maximum loading rate of salt which is stated in Specific Condition No. B.2., 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 its associated maximum allowable hopper loading rate 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 ATTACHMENT A) and at a hopper loading rate no greater than 110% of the hopper loading rate recorded during the compliance test or the associated hopper loading rate for that material as shown in ATTACHMENT A (for salt see Specific Condition No. B.2.), whichever is less. A compliance test submitted with a material that has a lower emission factor (less dusty) or tested below 90% of the material's associated maximum allowable hopper loading rate shall automatically:

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

b. Limit the hopper loading rate (tons/hr.) to 110% of the tested rate or no higher than the material's associated maximum allowable hopper loading rate, whichever is less.

If during the most recent compliance test it was impractical to test with the dustiest material or within 90% of the material's associated maximum allowable hopper loading rate, 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 the material's associated maximum allowable hopper loading rate.

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

B.10. 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.

D**uring the test period of transferring material from the hoppers to trucks for Emission Point Nos. 4 and 5, 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]

NOTIFICATION REQUIREMENTS

B.11. 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 AND REPORTS

B.12. Recordkeeping Requirements: In order to document compliance with Specific Condition Nos. B.1. and B.2., 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 Hopper No. 1.

d. Amount* of material transferred to Hopper No. 1 in tons.

e Daily average amount* of material transferred to Hopper No. 1 in tons/hr.

f. Hours* of transferring material to Hopper No. 2.

g. Amount* of material transferred to Hopper No. 2 in tons.

h. Daily average amount* of material transferred to Hopper No. 2 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

i. Total amount of each material transferred to Hopper No. 1 in tons.

j. Total amount of each material transferred to Hopper No. 2 in tons.

k. Total amount of each material transferred to Hopper Nos. 1 and 2 in tons.

l. Most recent consecutive 12-month period total amount of each material transferred to Hopper Nos. 1 and 2 in tons.

m. The most recent total combined consecutive 12-month period amount of "salt" that Emission Unit Nos. 012 and 013 received in tons.

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.13. 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 points tested.

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

C. EU No. 013 – Ship Unloading Salt to Storage

This section of the document addresses the following emissions units.

ID No.	Emission Unit Description
013	Ship Unloading Salt to Storage: Salt 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 salt at a maximum transfer rate of 600 tons/hr. based on a daily average. The ship's belted self unloading equipment transfers the salt 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 salt to two (2) dedicated hoppers. Each hopper receives salt at a maximum rate of 300 tons/hr. based on a daily average. The hoppers transfer the salt to a common dock conveyor system for storage in Warehouse No. 1.

PERFORMANCE RESTRICTIONS

C.1. Permitted Capacity: The maximum salt 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, and 9).

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

h. The salt transfer rate shall not exceed 190,000 tons per any consecutive 12-month period. {Permitting Note: Also see Specific Condition Nos. B.1. and B.12.p.}

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

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

C.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

C.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

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

C.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

C.6. Compliance Tests: During each federal fiscal year (October 1st to September 30th), each emission unit along with each of its associated emission points shall be tested to demonstrate compliance with the emissions standards for visible emissions.
[Rule 62-297.310(7)(a)4., F.A.C.]

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

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

NOTIFICATION REQUIREMENTS

C.9. 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 AND REPORTS

C.10. Recordkeeping Requirements: In order to document compliance with the maximum allowable salt transfer rates as stipulated in Specific Condition No. C.1., 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 (salt) being transferred.

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

d. Amount of salt transferred to the Hopper No. 3.

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

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

g. Amount of salt transferred to Hopper No. 4.

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

Monthly

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

m. Total amount of salt transferred to Hopper No. 4 in tons.

n. Total amount of salt transferred to Hopper Nos. 3 and 4 in tons.

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

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.11. 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 actual salt transfer rate to the hopper(s) during the test period, which is the amount of salt transferred from the clamshell(s)/ship's belted self unloading equipment to the hopper(s), as applicable.

d. The number and description of the emission points tested.

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