FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

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GOVERNOR

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SECRETARY

DRAFT PERMIT

PERMITTEE

Kinder Morgan
5321 Hartford Street
Tampa, FL 33619

Authorized Representative:
Mr. Rodney Palmer, Director of Operations

Air Permit No. 0810004-023-AC
Permit Expires: 12/31/2016
Port Manatee Terminal
Minor Air Construction Permit
Project: Replacement of Baghouse and Modification of Wet Material Handling

This is the final air construction permit to replace a baghouse associated with Emission Unit (EU) No. 006 for the Scale Building and allow for an alternative pathway with respect to the handling of wet material. The proposed work will be conducted at the Port Manatee Terminal (Standard Industrial Classification No. 4491). The facility is located in Manatee County at 500 National Street in Palmetto, 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

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Due to 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
DRAFT

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Kelley M. Boatwright Effective Date
Permitting & Waste Cleanup 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 the date indicated below to the persons listed below.

Mr. Rodney Palmer, Director of Operations, Kinder Morgan, Rodney_Palmer@kindermorgan.com

Mr. Erin Dibacco, EHS Manager IC – Southeast Region Terminals, Kinder Morgan, erin_dibacco@kindermorgan.com

Mr. David Cibik, PE, REM, Principal Environmental Engineer, Arcadis, David.Cibik@arcadis-us.com

Mr. Rodina Jones, Terminal Manager, Kinder Morgan, Rodina_Jones@kindermorgan.com

Ms. Danielle Henry, Environmental Manager, FDEP SWD CAP Program, Danielle.D.Henry@dep.state.fl.us

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.

DRAFT

_____ _____

(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

EU ID No.	Emissions 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 Material to Storage
014	Material from Front-end Loaders and Trucks to Piles
015	Materials from Piles to Trucks or Railcars

Project Description and Affected Emission Units

To replace a baghouse associated with Emission Unit EU No. 006 for the Scale Building with a more modern unit and allow for an alternative pathway with respect to the handling of wet material. This project will modify the following emissions units (EUs).

EU ID No.	Emissions Unit Description
006	Scale Building, Baghouse No. 6 (Previously No. 8)
014	Material from Front-end Loaders and Trucks to Piles
016	Ship's Gear (Crane or 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:

- *Emission Unit Nos. EU No. 014 and EU No. 015 were permitted by Construction Permit 0810004-019-AC and first incorporated in Air Operation Permit 0810004-022-AO.*
- *EU No. 016 was proposed in Construction Permit 0810004-019-AC but has not yet been incorporated into an operation permit.*
- *The expiration date of Construction Permit 0810004-019-AC was extended by Construction Permit 0810004-021-AC to allow for EU No. 016 and various segments of EU No. 014 and EU No. 015 not yet constructed to be added at a future date.*
- *The application for Operation Permit 0810004-022-AO was submitted concurrently with the application for this construction permit (0810004-023-AC).}*

Exempt Emission Sources/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 (HAPs).
- 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 62-213, 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 less than 10 microns (PM_{10}). The emission limitations, restriction on hours of operation, restriction on the type or amount of material stored or processed in this permit will ensure that the facility's PM_{10} emissions will be below the threshold for a Title V source.

PERMIT HISTORY/AFFECTED PERMITS

This permit modifies Construction Permit No. 0810004-019-AC which had its expiration date extended by Construction Permit No. 0810004-021-AC. Also reference current Operation Permit 0810004-022-AO. Note: At the time that this application was submitted, the current Operation Permit was 0810004-020-AO.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (DRAFT)

1. Permitting Authority - The permitting authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Air and Solid Waste Permitting Program. The mailing address and phone number is:

Florida Department of Environmental Protection
Southwest District Office
Air and Solid Waste Permitting Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-470-5700

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

2. Compliance Authority - The compliance authority for this project is the Florida Department of Environmental Protection (Department), Southwest District Office's Compliance Assurance Program. The mailing address and phone number is:

Florida Department of Environmental Protection
Southwest District Office
Compliance Assurance Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-470-5700

All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the above address.

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. Application for Non-Title V Air Operation Permit - This permit authorizes modification of the permitted emissions units 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 units. The permittee shall apply for a 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 as modified. Commencing operation means setting into operation of any emissions unit for any purpose. To apply for a 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.;

c. a copy of the initial compliance test report required by Specific Condition Nos. **A.15** and **B.12.**, if not previously submitted; and

d. copies of the most recent month of records/logs specified in Specific Condition Nos. **A.16.** and **B.13.**

The application shall be submitted to the Permitting Authority.
[Rules 62-4.030, 62-4.050 and Chapter 62-213, F.A.C.]

A. EU No. 006 Scale Building & Baghouse No. 6

This section of the permit addresses the following emissions unit (EU).

EU ID No.	Emissions Unit Description
006	Scale Building, Baghouse No. 6 – Baghouse No. 6 controls emissions from Belt H to Belt 1 in the Scale House, which transfers material to only the East Gantry.

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	
Sugar	1.60	0.0050	
Glass/Glass Cullets	1.70	0.0046	Chips
Animal Feed Phosphate/Biofos/Dynaphos/Bio	1.8	0.0043	

A. EU No. 006 Scale Building & Baghouse No. 6

Material(s)	Moisture % (1)	Emission Factor "E" (lbs./ton) (2)	Comments
Feed/Biofeed/Bio Feed (M)/Biofeed (M)/Animal feed Ingredient (AFT)/Feed/DiCal/MCP/DCP			
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 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.; Construction Permit No.0810004-018-AC]

A.2. Operation Limitation: 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, except as stated in **A.3.**
[Rules 62-4.070(3) and 62-210.200 (PTE), F.A.C.]

A.3. Operation Limitation: Baghouse No. 6 controls emissions from Belt H to Belt 1 in the Scale House, which transfers material to the East Gantry. This conveyor may be operated without Baghouse 6 in operation, subject to:

1. Existing Baghouse No. 6 shall be operated when the associated part of the conveyor system is in operation until the time of its decommissioning.
2. Time of decommissioning shall be scheduled subject to operational and commercial concerns to minimize operation of the belt without baghouse No. 6 to the greatest extent practical.
3. Conveyor shall be operated in a manner to minimize particulate emissions when practical. Methods include but are not limited to use of dust suppressants, water sprays, curtailment and enclosures.
4. Upon attaining operational status proposed replacement Baghouse No. 6 shall be operated when the associated part of the conveyor system is in operation.

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

A.4. Restricted Operation - The hours of operation of Belt H to Belt 1 in the Scale House shall not exceed 6,000 hours per any consecutive 12-month period.
[Rules 62-4.070(3) and 62-210.200 (definition of Potential to Emit), F.A.C.; Construction Permit No. 0810004-018-AC]

A.5. 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.; Construction Permit No. 0810004-018-AC]

EMISSIONS STANDARDS

A.6. Particulate Matter Emissions 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.; Construction Permit No. 0810004-018-AC]

COMPLIANCE TESTING REQUIREMENTS

A.7. Initial Compliance Tests - The new baghouse No. 6 shall be tested to demonstrate initial compliance with the emissions standards for Particulate Matter. The initial tests shall be conducted no later than 60 days after initial operation of the unit.
[Rules 62-4.070(3) and 62-297.310(7)(a)1., F.A.C.]

A.8. Compliance Tests After Initial Testing - During each federal fiscal year (October 1st to September 30th), the new baghouse No. 6 emissions unit shall be tested to demonstrate compliance with the emissions standards for Particulate Matter.
[Rule 62-297.310, F.A.C.]

A.9. Compliance Test Requirements - Compliance tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.
[Rule 62-297.310, F.A.C.]

A.10. Compliance Test Method - Required compliance tests shall be performed in accordance with the following reference method.

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

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

A.11. 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.12. 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.
[Rules 62-297.310(2), 62-297.310(8), and 62-4.070(3), F.A.C.; Construction Permit No. 0810004-018-AC]

NOTIFICATION REQUIREMENTS

A.13. 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.14. Notification of Operation Commencement - The permittee shall notify the Compliance Authority in writing of the date of commencing operation of the EU No. 006 after completing the modifications authorized by this permit, no later than fifteen (15) days after that date. Commencing operation means setting into operation of any emissions unit for any purpose.
[Rules 62-4.070, and 62-210.200, F.A.C., (definition of Commence Operation)]

RECORDKEEPING AND REPORTING REQUIREMENTS

A.15. Compliance Test Reports - The permittee shall prepare and submit reports for all required compliance tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit
[Rule 62-297.310(8), F.A.C.]

A.16. Daily and Monthly Logs: In order to document compliance with Specific Condition Nos. **A.4.**, **A.5.** and **A.6.**, 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.; Construction Permit No. 0810004-018-AC]

B. EU No. 014 Materials from Front-end Loaders and Trucks to Piles & EU No. 016 Ship's Gear Self Unloading Equipment to Storage Pile

This section of the permit addresses the following emissions units (EUs).

EU ID No.	Emissions Unit Description
014	Materials from Front-end Loaders and Trucks to Piles – 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 at a maximum transfer rate of 600 tons/hr.
016	Ship's Gear (Crane or Belted) Self Unloading Equipment to Storage Pile – Material from ship's holds may be transferred to outside storage piles at a maximum transfer rate of 600 tons/hr. When materials approved for handling cause hopper obstructions due to high moisture content or other properties, an alternative pathway consisting of a maximum of four dock load-out boxes may be deployed and used. The dock load-out boxes will consist of a three sided box constructed of jersey barriers or other suitable material constructed so as to contain and minimize the loss of materials being transferred. Ships gear will temporarily transfer material directly to the load-out boxes for EU No. 016. Front-end loaders will transfer from the load-out box to trucks for movement off-site or to the permitted storage pile for EU No. 014.

{Permitting Note: This is not a preferred operation method of material transfer. The dock load-out box pathway will bypass the existing hopper system consisting of EU Nos. 012 and 013.}

PERFORMANCE RESTRICTIONS

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

B.2. Permitted Capacity - The maximum material transfer rate shall not exceed 600 tons/hr., based on a daily average.

(Permitting Note - See Appendix D, Condition 1, for operation rate during testing requirements.)

[Rule 62-210.200 (definition of Potential to Emit), F.A.C.]

EMISSIONS STANDARDS

B.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.]

B.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.

d. The ship's cranes and 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.; Construction Permit Number 0810004-019-AC]

COMPLIANCE TESTING REQUIREMENTS

B.5. Initial 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. **A.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; Construction Permit Number 0810004-019-AC]

B.6. Compliance Tests After Initial Testing - During each federal fiscal year (October 1st to September 30th), the emissions unit shall be tested to demonstrate compliance with the emissions standards for Visible Emissions.
[Rule 62-297.310, F.A.C.]

B.7. Compliance Test Requirements - Compliance tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.
[Rule 62-297.310, F.A.C.]

B.8. Compliance Test Method - Required tests shall be performed in accordance with the following reference method.

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

The above method is described in Appendix A of 40 CFR 60 and is adopted by reference in Rule 62-204.800, F.A.C. No other method 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.9. 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. **A.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 an 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.; Construction Permit 0810004-019-AC]

NOTIFICATION REQUIREMENTS

B.10. 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.]

B.11. Notification of Operation Commencement - The permittee shall notify the Compliance Authority in writing of the date of commencing operation of the EU No. 014 or 016 after completing the modifications authorized by this permit, no later than fifteen (15) days after that date. Commencing operation means setting into operation of any emissions unit for any purpose.
[Rules 62-4.070, and 62-210.200, F.A.C., (definition of Commence Operation)]

RECORDKEEPING AND REPORTING

B.12. Compliance Test Reports - The permittee shall prepare and submit reports for all required compliance tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. 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.]

B.13. Daily and/or Monthly Log - In order to demonstrate compliance with Specific Condition No. **B.9.** and to determine emissions per Subsection A of Section 3 the permittee shall maintain the following records:

Daily (when operating)

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

b. Name of each material being transferred.

c. Hours of transferring all materials.

d. Amount of all materials 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.]