



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

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SECRETARY

FINAL PERMIT

PERMITTEE

Kinder Morgan
5321 Hartford Street
Tampa, FL 33619

Authorized Representative:
Mr. Rodney Palmer, Director of Operations

Air Permit No. 0810004-022-AO
Permit Expires: 08/20/2018
Port Manatee Terminal
Minor Air Operation Permit
Project: Air Operation Permit Revision

This is the final permit for the revision of Air Operation Permit No. 0810004-020-AO by incorporating sections of Air Construction Permits Nos. 0810004-019-AC and 0810004-021-AC concerning EU Nos. 012, 014 & 015 for a bulk materials transfer operation 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.

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.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this final permit. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. A petition for administrative hearing must contain the information set forth below and must be filed (received) with the Agency Clerk in the Office of General Counsel, 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida 32399-3000, Agency.Clerk@dep.state.fl.us, before the deadline. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, any email address, telephone number and any facsimile number of the petitioner; the name, address, any email address, telephone number, and any facsimile number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A

statement of when and how each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

Mediation is not available in this proceeding.

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, 3900 Commonwealth Boulevard, Mail Station #35, 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 thirty days after this order is filed with the clerk of the Department.

Executed in Hillsborough County, Florida



for Kelley M. Boatwright
Permitting & Waste Cleanup Program Administrator
Southwest District

9/26/2014

Effective Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package, 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.



(Clerk)

9/26/2014

(Date)

SECTION 1. GENERAL INFORMATION (FINAL)

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 (PM₁₀) 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

Project Description and Affected Emission Units

This project will incorporate portions of Air Construction Permits Nos. 0810004-019-AC and 0810004-021-AC concerning EU Nos. 012, 014 & 015 to add or modify the following emissions units (EUs).

EU ID No.	Emissions Unit Description
012	Ship Unloading Material to Trucks
014	Material from Front-end Loaders and Trucks to Piles
015	Materials from Piles to Trucks or Railcars

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

Permitting Notes:

- 1) 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.*

- 2) 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

SECTION 1. GENERAL INFORMATION (FINAL)

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

- 1) 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.]
- 2) 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 (PM₁₀). 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 PM₁₀ emissions will be below the threshold for a Title V source.

PERMIT HISTORY/AFFECTED PERMITS

This permit replaces Operation Permit No. 0810004-020-AO and incorporates terms and conditions of Construction Permit 0810004-019-AC as extended by 0810004-021-AC. Some sections of Construction Permit No. 0810004-019-AC were also originally incorporated into Operation Permit 0810004-020-AO. The sections of Construction Permit No. 0810004-019-AC not incorporated in this permit or Operation Permit 0810004-020-AO remain active for later implementation.

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

1. Permitting Authority - The permitting authority for this project is the Florida Department of Environmental Protection (Department), Southwest District 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.]

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

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. Operation Permit Renewal Application - A completed application for renewal of the operation permit shall be submitted to the Permitting no later than 60 days prior to the expiration date of this 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.;
 - c. copies of the most recent compliance test reports required by Specific Condition Nos. A.13., B.8., C.8., & D.5. if not previously submitted; and
 - d. copies of the most recent month of records/logs specified in Specific Condition Nos. A.20., B.13., C.13. & D.8.

[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.]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

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

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

EU ID No.	Emissions Unit Description	
001	Railcar/Truck Unloading Building, Baghouse No. 1, southeast	Railcars or trucks are unloaded at the railcar/truck unloading building. The unloading buildings may be operated simultaneously.* Material is transferred from the Railcar/Truck Unloading Building to an underground Railcar/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. 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.
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	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. Baghouse No. 7 is inside a partially enclosed transfer tower, which is located on the east side of Warehouse No. 1.
006	Scale Building, Baghouse No. 6	
007	Warehouse No. 1, Baghouse No. 7	
008	Top of Silo (Surge Hopper), Baghouse No. 8	
009	Ship Hold, receives material from the east shiploader (gantry).	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. 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.
010	Ship Hold, receives material from the west shiploader (gantry).	

{Permitting Notes: These emission units receive dry bulk materials by railcar, truck, or from a warehouse. There are four warehouses; Warehouse Nos. 1 (southwest), 2 (northwest), 3 (southeast), and 4 (northeast). 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.

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.

**Truck unloading building is currently out of service, see condition A.19.}*

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU Nos. 001,002,003,005,006,007,008,009 & 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 Sulfate	1.50	0.0055	
Sugar	1.60	0.0050	
Glass/Glass Culletts	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)

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

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

Material(s)	Moisture % (1)	Emission Factor "E" (lbs./ton) (2)	Comments
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).

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

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

[Rules 62-4.070(3) and 62-210.200 (PTE), F.A.C.; Construction Permit No.0810004-018-AC]

- A.2.** Operation Limitation: The East Shiploader and West Shiploader may operate simultaneously.
[Rules 62-4.070(3) and 62-210.200 (PTE), F.A.C.; Construction Permit No. 0810004-018-AC]
- A.3.** Operation Limitation: 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.; Construction Permit No. 0810004-018-AC]
- A.4.** 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. 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.; 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]
- A.6.** 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.; Construction Permit No. 0810004-018-AC]

EMISSIONS STANDARDS

- A.7.** 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]
- A.8.** Visible Emissions 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.; Construction Permit No. 0810004-018-AC]
- A.9.** Visible Emissions 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.; Construction Permit No. 0810004-018-AC]
- A.10.** 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.; Construction Permit No. 0810004-018-AC]
- A.11.** Precautions for Unconfined Particulate Matter - 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:

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

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

- 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) during daylight hours. 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.

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

- A.12. 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.

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[Rules 62-4.070(3) and 62-210.200 (PTE), F.A.C.; Construction Permit No. 0810004-018-AC]

COMPLIANCE TESTING REQUIREMENTS

A.13. Compliance Tests: Test each baghouse (Nos. 1, 2, 3, 5, 6, 7, and 8) and the ship’s hold(s) for visible emissions annually during each federal fiscal year (October 1 – September 30). Separate tests shall be run with the east shiploader (gantry) loading a ship’s hold and a ship’s hold being loaded by 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.; Construction Permit No. 0810004-018-AC]

A.14. 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.15. 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.7. for Baghouse Nos. 1, 2, 3, 5, 6, 7, and 8.

The above methods 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.16. 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.]

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- A.17. 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.20.
[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.18. 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.19. 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.; Construction Permit No. 0810004-018-AC]

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RECORDKEEPING AND REPORTING REQUIREMENTS

A.20. Daily and Monthly Logs: In order to document compliance with Specific Condition Nos. 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.

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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]

A.21. 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.17.

[Rule 62-297.310(8), F.A.C.]

A.22. Additional Requirements: The permittee shall comply with the following:

a. Terminal and Environmental Managers or a designated representative will 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.22.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. 22.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.

d. Operation and Maintenance Requirements

1. Baghouses
 - a. Pressure drop of baghouse: 0.1 – 7 inches of water.
 - b. Observations, checks and operations apply to this source and shall be conducted and recorded on the schedule specified:
 - c. Daily (when operational)
 - i. Check and record Pressure drop.

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- ii. Check for visible emissions from source and associated emission points.
 - iii. Check evacuation effectiveness.
 - iv. Check and record air supply pressure.
 - v. Walk through system listening for proper operation (audible lacks, proper fan and motor functions, bag cleaning pulse systems, etc.)
 - d. Monthly
 - i. Check solenoids and diaphragm valves.
 - ii. Check fan.
 - iii. Check door seals.
 - iv. Check bags.
 - v. Walk through system listening for proper operation (audible leaks, proper fan and motor functions, bag cleaning pulse systems, etc.)
- 2. Hoppers: Pre-vessel unloading documented and daily documented when hoppers will be in operation:
 - a. Confirm all hoppers are equipped with windscreens on all 4 sides.
 - b. Confirm hoppers are labeled properly.
 - c. Confirm coverings on truck hoppers.
- 3. Conveyors, Warehouses and Transfer Towers: Monthly document the physical condition of:
 - a. Conveyor cover(s) (free of holes, deterioration, and/or damage that may cause fugitive emissions)
 - b. Wall and doors of warehouses (free of holes, deterioration, and/or damage that may cause fugitive emissions)
 - c. Wall of transfer towers (free of holes, deterioration, and/or damage that may cause fugitive emissions)

{Permitting Note: Specific Condition No. A.22.d. was formerly a part of the Environmental Compliance Plan dated February 16, 2012 and is now incorporated into this operation permit.}

[Rule 62-4.070(3), F.A.C.]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

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

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

EU ID No.	Emissions Unit Description
012	<p>Ship Unloading Material to Trucks: Material received by ship is transferred from the ship's hold(s) by clamshell(s) or by the ship's belted self unloading equipment at a maximum transfer rate of 600 tons/hr. based on a daily average. The clamshell(s) or ship's belted self unloading equipment then transfers the material to four (4) individual single hoppers, or to two (2) double hoppers, or to two (2) individual hoppers and one (1) double hopper. A double hopper consists of two (2) individual hoppers placed side by side with a common material splitter. Each individual hopper receives material at a maximum rate of 300 tons/hr. based on a daily average. The common material splitter for the double hopper is considered to transfer 50% of the amount of material it receives to each individual hopper based on a daily average. Under each individual hopper is a truck loading station where material is transferred to a truck. Each individual hopper is capable of transferring material to a truck located under the hopper for off-site shipment, to outside storage piles, to the radial stacker belt's hopper, or to inside storage at a maximum transfer rate of 300 tons/hr. based on a daily average.</p> <p>The four (4) individual hoppers are designated as Hopper Nos. 1, 2, 5, and 6.</p> <p>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.</p> <p>The clamshell(s) may be ship's gear or barge mounted equipment.</p>

PERFORMANCE RESTRICTIONS

B.1. Authorized Materials: The materials allowed to be received are listed in Specific Condition No. A.1. [Rule 62-210.200(PTE), F.A.C.; Construction Permit No. 0810004-019-AC]

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: 600 tons/hr.* based on a daily average.
- b. Clamshell(s) / Ship's belted self unloading equipment to Hopper No. 1, 2, 5 or 6: 300 tons/hr. based on a daily average.
- c. Clamshell(s) / Ship's belted self unloading equipment to a Double Hopper with a common material splitter: 600 tons/hr. based on a daily average.
- d. Hopper No. 1,2, 5 or 6 to Truck: 300 tons/hr.** 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.

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** 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.; Construction Permit No. 0810004-019-AC]

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.; Construction Permit No. 0810004-019-AC]

B.4. Operating Requirements: The permittee shall comply with the following:

- a. The hoppers associated with Emission Unit No. 012 shall each be clearly marked/labeled such as "HOPPER No. 1", "HOPPER No. 2", "HOPPER No. 5", and "HOPPER No. 6".
- b. Emission Unit Nos. 012 and 013 may operate simultaneously.

[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.; Construction Permit No. 0810004-019-AC]

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

[Rule 62-296.320(4)(b), F.A.C., Air Construction Permit 0810004-019-AC]

B.6. Particulate Matter Emission Limitation: Particulate matter emissions from Emissions Unit Nos. EU012 and EU013 combined shall not exceed 64 tons in any consecutive 12-month period. Compliance will be demonstrated by summing the results of multiplying the appropriate emission factors given in Condition A.1. of each material listed in B.13.b by the rolling 12 month average for that material given in B.13.h and multiplying by one minus the removal efficiency.

{Permitting Note: [(Ton/yr Material 1) X (A.1. emission factor material 1) X (1 – removal efficiency)] + [(Ton/yr Material 2) X (A.1. emission factor material 2) X (1 – removal efficiency)] + [(Ton/yr Material 3) X (A.1. emission factor material 3) X (1 – removal efficiency)] +...}

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

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B.7. 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.

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- 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.; Construction Permit No. 0810004-019-AC]

COMPLIANCE TESTING REQUIREMENTS

B.8. 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. 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). Testing of Emission Point No. 6 may be used in lieu of testing Emission Point Nos. 2, 3, 7, and 8. When two (2) double hoppers are being used simultaneously only one (1) of the two (2) double hoppers is required to be tested. Testing of Emission Point No. 4 (double hopper) may be used in lieu of testing Emission Point Nos. 2 and 3 (individual hopper).

[Rules 62-4.070(3) and 62-297.310(7), F.A.C.; Air Construction Permit No. 0810004-019-AC]

B.9. 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.].

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

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

B.10. Operating Requirements During Testing: As practical, visible emission testing of each transfer point shall be accomplished within 90 – 100% of the hopper’s maximum loading rate of 300 tons/hr. for the transferred material and transferring the dustiest material. A compliance test submitted when transferring the dustiest material (highest emission factor) and transferring that material within 90 – 100% of 300 tons/hr. shall allow the use, during the subsequent year until the next year’s compliance test(s), of any material equal to or less dusty (according to the emission factors shown in Specific Condition No. A.1.) and at a hopper loading rate no greater than 300 tons/hr. A compliance test submitted with a material that has a lower emission factor (less dusty) or tested below 270 tons/hr. of the hopper’s loading rate shall automatically:

- a. Limit the transfer of materials to the material test and those materials with a equal or lower emission factor (less dusty), and
- b. Limit the hopper loading rate (tons/hr.) to 110% of the tested rate.

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

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

[Rules 62-297.310(2), 62-297.310(7), and 62-4.070(3), F.A.C.; Construction Permit No. 0810004-019-AC]

B.11. Test Method: Required 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 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.

During the test period of transferring material from the hoppers to trucks, 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; Construction Permit No. 0810004-019-AC]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

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

NOTIFICATION REQUIREMENTS

- B.12. 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.13. Recordkeeping Requirements:** In order to document compliance with Specific Condition Nos. B.1., B.2. and B.6., 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, 2, 5, and 6.
- d. Amount* of material transferred to Hopper No. 1, 2, 5, and 6 in tons.
- e. Daily average amount* of material transferred to Hopper No. 1, 2, 5, and 6 in tons/hr.

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

Monthly

- f. Total amount of each material transferred to Hopper No. 1, 2, 5, and 6 in tons.
- g. Most recent consecutive 12-month period total amount of each material transferred to Hopper Nos. 1, 2, 5 and 6 in tons.
- h. The most recent total combined consecutive 12-month period amount of material that Emission Unit Nos. 012 and 013 received in tons.
- i. Most recent consecutive 12-month period total hours of transferring all materials to all four (4) hoppers.

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

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

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.14. 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.; Construction Permit No. 0810004-019-AC]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

C. EU No. 013, Ship Unloading Material to Storage

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

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

PERFORMANCE RESTRICTIONS

C.1. Authorized Materials: The materials allowed to be received are listed in Specific Condition No. A.1. [Rule 62-210.200(PTE), F.A.C.; Construction Permit No. 0810004-019-AC]

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

- a. Ship's hold(s) to Clamshell(s): 600 tons/hr.* based on a daily average (Emission Point No. 1).
- b. Ship's hold(s) to Ship's belted self unloading equipment: 300 tons/hr.* based on a daily average.
- c. Clamshell(s)/ship's belted self unloading equipment to Hopper No. 3: 300 tons/hr. based on a daily average (Emission Point No. 2).
- d. Clamshell(s)/ship's belted self unloading equipment to Hopper No. 4: 300 tons/hr. based on a daily average (Emission Point No. 3).
- e. Hopper No. 3 to Common Dock Belt No. 7S: 300 tons/hr.* based on a daily average (Emission Point No. 4).
- f. Hopper No. 4 to Common Dock Belt No. 7S: 300 tons/hr.* based on a daily average (Emission Point No. 5).
- g. Common Dock Belt No. 7S, which is part of the common dock belt system: 600 tons/hr.* based on a daily average (Emission Point Nos. 6, 7, 8, 9, 10, and 11, see Specific Condition No. C.4.).

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

[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.; Construction Permit No. 0810004-019-AC]

C.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.]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

C. EU No. 013, Ship Unloading Material to Storage

C.4. 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 such as “HOPPER No. 3” and “HOPPER No. 4”.
- b. 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.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. 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.; Construction Permit No. 0810004-019-AC]

C.6. Particulate Matter Emission Limitation: Particulate matter emissions from Emissions Unit Nos. EU012 and EU013 combined shall not exceed 64 tons in any consecutive 12-month period. Compliance will be demonstrated by summing the results of multiplying the appropriate emission factors given in Condition A.1. of each material listed in C.13.b by the rolling 12 month average for that material given in C.13.h and multiplying by one minus the removal efficiency.

{Permitting Note: [(Ton/yr Material 1) X (A.1. emission factor material 1) X (1 – removal efficiency)] + [(Ton/yr Material 2) X (A.1. emission factor material 2) X (1 – removal efficiency)] + [(Ton/yr Material 3) X (A.1. emission factor material 3) X (1 – removal efficiency)] +...}

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

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

C. EU No. 013, Ship Unloading Material to Storage

- C.7. 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.

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

C. EU No. 013, Ship Unloading Material to Storage

- 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.; Construction Permit No. 0810004-019-AC]

COMPLIANCE TESTING REQUIREMENTS

C.8. 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.9. 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.10. 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]

C.11. Operating Requirements During Testing: As practical, visible emission testing of each transfer point shall be accomplished within 90 – 100% of each hopper’s maximum loading rate of 300 tons/hr. for the transferred material and transferring the dustiest material. A compliance test submitted when transferring the dustiest material (highest emission factor) and transferring that material within 90 – 100% of 300 tons/hr. per hopper shall allow the use, during the subsequent year until the next year’s compliance test(s), of any material equal to or less dusty (according to the emission factors shown in Specific Condition No. A.1.) and at the applicable hopper loading rate(s) (no greater than 300 tons/hr. per hopper). A compliance test submitted with a material that has a lower emission factor (less dusty) or tested below 270 tons/hr. of the hopper’s loading rate(s) shall automatically:

- a. Limit the transfer of materials to the material test and those materials with a equal or lower emission factor (less dusty), and
- b. Limit the hopper loading rate (tons/hr.) to 110% of the tested rate.

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

C. EU No. 013, Ship Unloading Material to Storage

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

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

[Rules 62-297.310(2), 62-297.310(7), and 62-4.070(3), F.A.C.; Construction Permit No. 0810004-019-AC]

NOTIFICATION REQUIREMENTS

- C.12. 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.]

RECORDKEEPING AND REPORTING REQUIREMENTS

- C.13. Recordkeeping Requirements:** In order to document compliance with Specific Condition Nos. C.1., C.2. and C.6., the permittee shall maintain the following records:

Daily (when operating)

- a. Facility name, Facility ID (0810004), Emission Unit ID No. 013, Date (month/day/year)
- b. Name of material being transferred.
- c. Hours of transferring material to the Hopper No. 3.
- d. Amount of material transferred to the Hopper No. 3. in tons.
- e. Daily average amount of material transferred to the Hopper No. 3 in tons/hr.
- f. Hours of transferring material to Hopper No. 4.
- g. Amount of material transferred to Hopper No. 4. in tons.
- h. Daily average amount of material transferred to Hopper No. 4 in tons/hr.

Monthly

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

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

C. EU No. 013, Ship Unloading Material to Storage

- j. Total amount of each material transferred to Hopper No. 4 in tons.
- k. Total amount of each material transferred to Hopper Nos. 3 and 4 in tons.
- l. Most recent consecutive 12-month period total amount of all materials transferred to Hopper Nos. 3 and 4 in tons.
- m. Most recent consecutive 12-month period total hours of transferring all materials to Hopper Nos. 3 and 4.

Daily records shall be completed within five (5) business days and monthly records shall be completed by the end of the following month. These records shall be maintained at the facility for at least three (3) years and made available to the Department upon request.

[Rules 62-4.070(3) and 62-4.160(14), F.A.C.]

C.14. 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 material transfer rate to the hopper(s) during the test period, which is the amount of material transferred from the clamshell(s) / ship's belted self unloading equipment to the hopper(s), as applicable.
- d. The number and description of the emission points tested.

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

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

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

This section of the permit addresses the following emissions unit.

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

PERFORMANCE RESTRICTIONS

- D.1. Authorized Materials: The materials allowed to be transferred are listed in Specific Condition No. A.1. [Rule 62-210.200(PTE), F.A.C.]
- D.2. Permitted Capacity: The maximum material transfer rates of the front-end loaders and trucks are considered to be constant (equivalent to 600 tons/hr.). [Rule 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

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

Emission Point No. 1 – Front-end Loaders/Trucks to Outside Storage Piles

{Permitting Note: Further Emission Points in Construction Permit 0810004-019-AC are not in operation at this time. These portions of Construction Permit 0810004-019-AC remain in effect should these Emission Points be added in the future.}

[Rule 62-296.320(4)(b), F.A.C., Construction Permit 0810004-019-AC]

- D.4. Reasonable Precautions to Control Unconfined Particulate Matter: All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter. This provision is applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, and handling. Reasonable precautions shall include but are not limited to the following:
 - a. Curtail operations or cease operations when necessary.
 - b. The front-end loaders, trucks, and stacker belt shall minimize the material drop height to the maximum extent, where feasible and possible.
 - c. Sweep roadways and other paved areas under permittee’s control as necessary to prevent particulate matter from becoming airborne.

In order to determine if the above reasonable precautions are adequate, visible emissions from all activities should not exceed 10% opacity. If this value is exceeded, it will not be considered a violation in and of itself, but an indicator that additional reasonable precautions may be required.

[Rules 62-4.070(3) and 62-296.320(4)(c), F.A.C.; Construction Permit Number 0810004-019-AC]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

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

TESTING REQUIREMENTS

D.5. Compliance Tests: Test each emission point for visible emissions while handling an allowed material and, where practical, the material with the highest emission factor as shown in Specific Condition No. 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]

D.6. 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]

D.7. Operating Requirements During Testing: As practical, visible emission testing of each transfer point shall be accomplished when transferring the dustiest material. A compliance test submitted when transferring the dustiest material (highest emission factor) shall allow the use, during the subsequent year until the next year’s compliance test(s), of any material less dusty (according to the emission factors shown in Specific Condition No. 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 a equal or lower emission factor (less dusty). If during the most recent compliance test it was impractical to test with the dustiest material, then conduct a new visible emission test during the next transfer of material with a higher emission factor (dustier).

[Rules 62-297.310(2), 62-297.310(7), and 62-4.070(3), F.A.C.; Construction Permit Number 0810004-019-AC]

RECORDS AND REPORTS

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

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

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

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

- a. Facility name, Facility ID (0810004), Emission Unit ID No. 014, Date (month/day/year)
- b. Name of each material transferred.
- c. Amount of each material transferred in tons.
- d. Hours of transferring all materials.

Monthly: For all emission points.

- e. Total amount of each material transferred in tons.
- f. Total amount of all materials transferred in tons.
- g. Total hours of transferring all materials. Do not double count simultaneous activities.
- h. Most recent consecutive 12-month combined total amount of all materials transferred in tons.
- i. Most recent consecutive 12-month period total hours of transferring all materials.

Daily records shall be completed within five (5) business days and monthly records shall be completed by the end of the following month. These records shall be maintained at the facility for at least three (3) years and made available to the Department upon request.

[Rules 62-4.070(3) and 62-4.160(14), F.A.C.]

D.9. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this document. All test reports shall be submitted to the Compliance Authority within 45 days of the testing. Each report shall include:

- a. A copy of the daily log for the test day.
- b. A copy of the monthly log for the month the test was conducted.
- c. The name of the material transferred.
- d. The actual material transfer rate during the test period.
- e. The number and description of the emission point tested.

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

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

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

This section of the permit addresses the following emissions unit.

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

{Permitting Note: Further Emission Points in Construction Permit 0810004-019-AC are not in operation at this time. These portions of Construction Permit 0810004-019-AC remain in effect should these Emission Points be added in the future.}

PERFORMANCE RESTRICTIONS

- E.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.; Construction Permit Number 0810004-019-AC]
- E.2. Permitted Capacity: The maximum material transfer rate of the front-end loader is considered to be constant (equivalent to 600 tons/hr.).
[Rule 62-210.200(PTE), F.A.C.; Construction Permit Number 0810004-019-AC]

EMISSIONS STANDARDS

- E.3. Visible Emission Limitation: Visible emissions from the front-end loader to a truck or railcar shall not be equal to or greater than 20% opacity.
[Rule 62-296.320(4)(b), F.A.C.; Construction Permit Number 0810004-019-AC]
- E.4. Reasonable Precautions to Control Unconfined Particulate Matter: All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter. This provision is applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, and handling. Reasonable precautions shall include but are not limited to the following:
- a. Curtail operations or cease operations when necessary.
 - b. The front-end loader shall minimize the material drop height to the maximum extent, where feasible and possible.
 - c. Sweep roadways and other paved areas under permittee's control as necessary to prevent particulate matter from becoming airborne.

In order to determine if the above reasonable precautions are adequate, visible emissions from all activities should not exceed 10% opacity. If this value is exceeded, it will not be considered a violation in and of itself, but an indicator that additional reasonable precautions may be required.

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

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

[Rules 62-4.070(3) and 62-296.320(4)(c), F.A.C; Construction Permit Number 0810004-019-AC.]

TESTING REQUIREMENTS

E.5. Compliance Tests: Test the transfer of material from a front-end loader to a truck or railcar for visible emissions while handling an allowed material and, where practical, the material with the highest emission factor as shown in Specific Condition No. 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.]

E.6. Test Method: Required 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 60 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.

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

E.7. Operating Requirements During Testing: As practical, visible emission testing shall be accomplished 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 a equal or lower emission factor (less dusty). If during the most recent compliance test it was impractical to test with the dustiest material, then conduct a new visible emission test during the next transfer of material with a higher emission factor (dustier).
[Rules 62-297.310(2), 62-297.310(7), and 62-4.070(3), F.A.C.]

RECORDS AND REPORTS

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

Daily (when operating)

- a. Facility name, Facility ID (0810004), Emission Unit ID No. 015, Date (month/day/year)
- b. Name of each material transferred.

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (FINAL)

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

- c. Amount of each material transferred in tons.
- d. Hours of transferring all materials.
- e. Total amount of each material transferred in tons.

Monthly

- f. Total amount of each material transferred in tons.
- g. Total hours of transferring all materials.
- h. Most recent consecutive 12-month combined total amount of all materials transferred in tons.
- i. Most recent consecutive 12-month period total hours of transferring all materials.

Daily records shall be completed within five (5) business days and monthly records shall be completed by the end of the following month. These records shall be maintained at the facility for at least three (3) years and made available to the Department upon request.
[Rules 62-4.070(3) and 62-4.160(14), F.A.C.]

E.9. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this document. All test reports shall be submitted to the Compliance Authority within 45 days of the testing. Each report shall include:

- a. A copy of the daily log for the test day.
- b. A copy of the monthly log for the month the test was conducted.
- c. The name of the material transferred.
- d. The actual material transfer rate during the test period.

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