Kinder Morgan Bulk Terminals, Inc.
Port Sutton Terminal

Facility ID No. 0570092
Hillsborough County

Title V Air Operation Permit Revision

Permit No. 0570092-018-AV
Renewal of Title V Air Operation Permit No. 0570092-017-AV

Permitting/Compliance Authority:

Environmental Protection Commission
of Hillsborough County

3629 Queen Palm Drive
Tampa, Florida 33619

Telephone: (813) 629-2600
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Title V Air Operation Permit Renewal

Permit No. 0570092-018-AV

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PERMITTEE:
Kinder Morgan Bulk Terminals, Inc.
5321 Hartford Street
Tampa, FL 33619

Permit No. 0570092-018-AV
Port Sutton Terminal
Facility ID No. 0570092
Title V Air Operation Permit Renewal

The purpose of this permit is to renew the Title V air operation permit for the above referenced facility. Kinder Morgan Bulk Terminals, Inc., Port Sutton Terminal, which consists of two material handling facilities. One facility, Port Sutton Terminal, is located 4310 Pendola Point Road, Tampa, FL 33619. UTM Coordinates are: Zone 17, 360.80 East and 3087.31 North. Latitude is: 27/54/08; and, Longitude is: 82/24/44. The other facility, Hartford Street Terminal, is located at 5321 Hartford Street, Tampa, FL 33619, which is approximately one mile east of the Port Sutton Terminal facility.

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

Effective Date: *
Renewal Application Due Date: *
Expiration Date: *

* To be entered upon final issuance

_____
Richard D. Garrity, Ph.D.
Executive Director

RDG/KRZ/krz

Subsection A. Facility Description.

The Port Sutton Terminal receives bulk materials from ships, barges, trucks, containers or railcars. Material received by ship (EU 010) is transferred via clamshell into an onshore hopper (EU 011), which is equipped with 4' high steel panel windscreens. A 1500 Series E-Crane, (Model 9317 B) ship unloader associated with EU 011 and EU 019 (Clamshell to Ship's/Barge's Hold) is an electric hydraulic machine, which utilizes electricity for power, and is equipped to utilize either a 7.5 yd or a 10 yd bucket. A series of six covered conveyor belts transfer the material from the onshore hopper to one of four storage buildings (EU 012, 013, 014, and 103). Material can also be unloaded via covered conveyors (EU 020). Material received by truck or container can be unloaded into a storage building or unloaded on the windscreened pad at the dock and transferred via clamshell into the onshore hopper (EU 011).

Material received by railcars is unloaded into a grate (EU 101), which directs the material into the underground conveyor in order to transfer the material to the buildings using the covered conveyor belts (EU 102). The railcar unloading station also includes truck unloading of material. Material can also be transferred via the same covered conveyor belts, between buildings. The material is loaded out from each building by conveyor belts into either trucks or railcars. Building Nos. 1 and 2 have one truck load out area each and one truck/railcar load out area each (EU 015 and 016). Building Nos. 3 and 4 have one truck/railcar load out area each (EU 017 and 104). Storage of ammonium nitrate in Building Nos. 2 and 4 have all required safety upgrades such as a fire suppression system and the addition of a non-combustible coating on the paved floors to inhibit product absorption. The existing conveyors are utilized to move the material to Building No. 2. The facility also loads material from the onshore hopper directly into trucks (Direct Hit) via covered conveyor belts (EU 015). The Port Sutton Terminal can also load material into a ship or barge. A front end loader dumps material onto a windscreened pad on the dock (EU 018). The material is then transferred by clamshell into the ship's hold (EU 019).

The Hartford Street Terminal, which is located approximately one mile east of the Port Sutton Terminal, is also a material handling facility. Material, which is divided into nine groups, is delivered to the Hartford Street Terminal by truck or railcar. The truck dumps material from Groups I and II onto a product pad and a front end loader transfers the material into a hopper. From the hopper, material is transferred in a partially enclosed conveyor belt to another partially enclosed conveyor belt, which then conveys material to either Storage Building No. 1 or to Storage Building No. 2. Railcars unload directly into Storage Building Nos. 1 and 2. Each Storage Building Nos. 1 or 2 has one truck/railcar load out area. Materials are unloaded from trucks directly into open storage piles to then be transferred via front end loader into trucks for shipment offsite. Storage Building No. 3 (Northeast) receives material by truck inside of the building and the material is stacked with bulldozers or front end loaders within the building. Front end loaders load trucks inside of the building for shipment offsite.

Control of particulate matter emissions from each belt to belt transfer point is achieved by total and partial enclosures. Control of particulate matter emissions from the ship unloading to the direct hit truck loading station is controlled by a partial enclosure and by the use of a water spray system. Dust suppressants are also used on an as needed basis. Particulate emissions from the Hartford Street Terminal are also controlled by a combination of operational controls, watering, and partial enclosures.

The facility is permitted to handle the following materials:

Group I – Dusty Fertilizers		
Ammonium Sulfate	Standard Potassium Nitrate	Animal Feed Ingredients
Standard Muriate of Potash	Granular Sulfate of Potash	Phosphate Rock
Granular Muriate of Potash	Standard Sulfate of Potash	
Group II – Minimally Dusty Fertilizers		

Ammonium Nitrate[1]	Sodium Potassium Nitrate	MAP
Calcium Ammonium Nitrate	Compound Fertilizers[4]	DAP
Potassium Nitrate	Dried Sludge	GTSP[3]
Calcium Nitrate	Urea	Kieserite
Group IV – Semi-Dusty Non-Fertilizer Products		
Coal Fines	Iron Ore Fines	Millscale
Group V – Moderately Dusty Non-Fertilizer Products		
Coal	Syngypsum	Clay
Petcoke	Magnetite/Ferrous Oxides	
Iron Ore	Alumina Hydrate	
Group VI – Minimally Dusty Non-Fertilizer Products		
Gypsum	Alumina Hydrate	Filler Materials
Pumice	Vermiculite	Peanut Hulls
	Dolomite	Salt (solar)
Ferrous Sulfate	Glass	Bio-Mass
Ferro Alloys	Iron Scrap (including shredded scrap metal)	Granulated Furnace Slag
Coal Slag	Wood Chips	Clinker (treated or screened)
Prilled Sulfur	Magnetite/Ferrous Oxides	
Group VII – Agricultural Products		
Grains[2]	Grain Meals[2]	Seeds
Soybeans	Grain Byproducts[2]	Peas
Wheat, Rye, Barley[2]	Citrus Pellets	
Group VIII – Bauxite/Alumina and similar Dusty Cement-like Products		
Bauxite	Alumina	Slag Cement
Group IX - Aggregate		
Aggregate	Dirt, Soil	Granite
Limestone	Sand, Gravel	Rocks, stone
Limestone Fines		

[1] Storage of ammonium nitrate is limited to Building Nos. 2 & 4 at the Port Sutton Terminal.
[2] Storage of grains is limited to Building No. 1 at the Port Sutton Terminal to exempt the facility from 40 CFR 60, Subpart DD.
[3] In order to exempt the facility from 40 CFR 60, Subpart X (*Standards of Performance for Phosphate Fertilizer Industry*), GTSP received at the operation shall be greater than 72 hours old.
[4] Compound fertilizer is defined as "ammonium nitrate with potash". The material shall have properties consistent with the MSD sheet received April 2, 2002.

Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).

E.U. ID No.	**Brief Description**
010	Ship's / Barge's Hold Operation
011	Clamshell to Hopper Transfer Point
012	Belt to Belt Transfer on Top of Bldg No. 1
013	Belt to Belt Transfer on Top of Bldg No. 2
014	Belt to Belt Transfer on Top of Bldg No. 3

015	Truck Loading Stations: No. 6-Direct Hit for Ship Unloading, No. 1 and No. 2 (Truck/Railcar) for Building No. 1
016	Truck Loading Stations: No. 3 and No. 4 (Truck/Railcar) for Building No. 2
017	Truck Loading Station: No. 5 for Building No. 3
018	Truck to Product Pad
019	Clamshell to Ship's/Barge's Hold
020	Ship/Barge Unloading Utilizing a Conveyor System
101	Railcar/Truck Unloading Station
102	Building Railcar Unloading Feeder Belt
103	Belt to Belt Transfer Point on Top of Building No. 4
104	Truck Loadout No. 7 for Building No. 4
105	Hartford Street Terminal Warehousing Operations
106	Hartford Street Terminal Stockpiling Operations
108 *	Emergency Diesel Power Generator (CI RICE)
109*	Emergency Diesel Fire Pump (CI RICE)

* EU 108 Emergency Diesel Engine (399 HP, Cummins Inc., Model QSL9-G3 NR3)
This diesel fueled compression ignition (CI) reciprocating internal combustion engine (RICE) is used to provide emergency power for the onsite Stormwater Treatment System in case of a power loss from the primary power provider. This CI RICE is subject to NSPS Subpart IIII (*Standards of Performance for Stationary Compression Ignition Internal Combustion Engines*) since it was manufactured after April 1, 2006. However, this CI RICE is not subject to the NESHAP, Subpart ZZZZ (*National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*) pursuant to 40 CFR 63.6590(c)(1) since it is classified as a new stationary RICE located at an area source of HAP, and is only required to meet with the requirements of Subpart IIII. The NSPS requirements are reflected in Appendix ICE of the Title V Permit.

* EU 109 Emergency Diesel Fire Pump (104 HP, Worthington Corp., Model No. Size 5)
The diesel fueled Fire Pump at the Hartford Street site is used for emergency, in the event of a fire, to deliver water to the site. This RICE is not subject to the NSPS Subpart IIII since it was manufactured before April 1, 2006. However, this CI RICE is subject to the NESHAP, Subpart ZZZZ pursuant to 40 CFR 63.6590(a)(1)(iii) since it is classified as an existing emergency stationary RICE located at an area source of HAP. The main requirements from this rule for this Fire Pump RICE are operation and maintenance practices. The NESHAP requirements have been be reflected in Appendix ICE of the Title V Permit Renewal.

The facility is subject to Rule 62-296.320, F.A.C. General Pollutant Emission Limiting Standards; Rule 62-296.711, F.A.C. Material Handling, Sizing, Screening, Crushing and Grinding Operations;

Based on the Title V Air Operation Permit Renewal Application received December 3, 2012, this facility is an area source of hazardous air pollutants (HAPs).

Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities, which are listed in Appendix I, List of Insignificant Emissions Units and/or Activities.

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. Appendix TV, Title V Conditions, is a part of this permit.
{Permitting note: APPENDIX TV is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested or otherwise appropriate.}

2. Not federally enforceable. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. No person shall cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), F.A.C.]

3. General Particulate Emission Limiting Standards. General Visible Emissions Standard. Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C.
[Rules 62-296.320(4)(b)1. & 4., F.A.C.]

4. Prevention of Accidental Releases (Section 112(r) of CAA).
a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:

RMP Reporting Center
Post Office Box 1515
Lanham-Seabrook, MD 20703-1515
Telephone: 301/429-5018

and,
b. The permittee shall submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C. [40 CFR 68]

5. As requested by the permittee, in order to remain a minor facility with respect to the requirements of Rule 62-212.400, Prevention of Significant Deterioration, F.A.C. or Rule 62-212.500, New Source Review for Nonattainment Areas, F.A.C., the facility wide potential to emit particulate matter emissions, including fugitive emissions, shall not exceed 249 tons per twelve consecutive month period.
[Rule 62-4.070(3), F.A.C. and Permit Nos. 0570092-016/017-AC/AV]

6. Emissions of Unconfined Particulate Matter. Pursuant to Rules 62-296.320(4)(c)1., 3. & 4., F.A.C., reasonable precautions to prevent emissions of unconfined particulate matter at this facility include the following requirements (see Condition 57. of APPENDIX TV-6, TITLE V CONDITIONS). The following requirements are "not federally enforceable":

a. Enclose all conveyor belts on the top and sides.
b. When material is discharged into the receiving hopper pile from a clamshell, the free fall distance shall not exceed 4 ft. and the clamshell shall not be opened until it is below the sides of the hopper. The clamshell shall be closed prior to exiting the receiving hopper. When loading a marine vessel, the discharging edge of the clamshell shall open only when it is within 4 ft. of the top of the product in the

hold, or as low in the hold as is safely feasible. This limitation shall also apply to the unloading of material onto the pad.

c. The wind shield shall be used at all times when unloading with the clamshell.
d. When material is discharged from the hopper conveyor belt to a stockpile, the free fall distance shall not exceed 4 ft.
e. The vehicles transporting the bulk material on the property shall be completely enclosed by construction or shall be enclosed with tarps prior to leaving the facility.
f. A tarp shall be attached between the dock and the vessel during all vessel loading operations. The tarp shall be positioned within the arc of travel of the clamshell such that any spillage during transfer will slide down onto the curbed dock. Any spillage shall be swept and returned to the pad at least every shift.
g. Watering shall be performed as necessary to minimize particulate dust emissions during material unloading, transferring, and loading operations performed outdoors.
h. Dust suppressant shall be applied as necessary to untreated material and plant grounds.
i. Material spillage or leakage from the clamshell shall be kept at a minimum. The clamshell shall be maintained so that it has a tight lip.
j. The clamshell shall be kept clean at all times.
k. Accumulation of material in the clamshell is prohibited.
l. All access openings near transfer stations shall stay closed during bulk material transfer.
m. Use of front-end loading and bulldozers in the marine vessel hold shall be minimized to the extent possible.
n. No blowers shall be used in the marine vessel holds to gather material for the final clean out of the cargo hold.
o. Maintain trafficked roads clean. Limit vehicular traffic to 10 MPH or less if necessary.
p. Inspect material handling equipment for visible emissions daily. Record any problem and actions taken.
q. Make plant personnel aware of environmental requirements in this permit.
r. Exercise good housekeeping practices at all times.

[Rule 62-296.320(4)(c)2., F.A.C.; and Permit Nos. 0570092-016/017-AC/AV]

7. The permittee shall notify the Air Compliance Section of the Environmental Protection Commission of Hillsborough County at least 15 days prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the contact person who will be responsible for coordinating and having such test conducted. [Rule 62-297.310, F.A.C.]

8. When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.
[Rule 62-213.440, F.A.C.]

9. Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., F.A.C., shall be submitted to the Environmental Protection Commission and EPA within 60 (sixty) days after the end of the calendar year using DEP Form No. 62-213.900(7), F.A.C.
[Rules 62-213.440(3) and 62-213.900, F.A.C.]

10. The permittee shall submit all compliance related notifications and reports required of this permit to the Environmental Protection Commission of Hillsborough County at:

Environmental Protection Commission
Air Management Division
3629 Queen Palm Dr.
Tampa, FL 33619
Telephone: 813/627-2600, Fax: 813/627-2660

11. Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency, Region 4, should be sent to:

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Air and EPCRA Enforcement Branch
Air Enforcement Section
61 Forsyth Street
Atlanta, Georgia 30303-8960
Telephone: 404/562-9155; Fax: 404/562-9163

12. Submit to the Environmental Protection Commission of Hillsborough County each calendar year on or before April 1, completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility", for the preceding calendar year. [Rule 62-210.370(2), F.A.C.]

13. The permittee shall comply with Appendix O&M, Operation and Maintenance Plans for Particulate Control. In the event of a deviation from the monitoring parameters, the facility shall take corrective actions to remedy the situation. Notify the Environmental Protection Commission of Hillsborough County within 24 hours of the problem. The emission unit shall not be operated until the problem is corrected. A written explanation and the corrective actions implemented shall be submitted in the semi-annual report required in the TV Conditions. Records of inspections, maintenance, and performance parameters shall be retained for a minimum of five years and shall be made available to the Environmental Protection Commission of Hillsborough County upon request.
[Rules 62-4.070(3), 62-296.700(6)(e), F.A.C. and Permit Nos. 0570092-016/017-AC/AV]

14. Prior to implementing any Operating Change(s) as defined in Rule 62-210.200(223), F.A.C., the permittee shall submit notification of such change(s) at least seven (7) days prior to such change(s). The written notice of such change(s) shall include the date on which the change will occur, a description of the change within the permitted source, the pollutants emitted and any change in emissions, and any term or condition becoming applicable or no longer applicable as a result of the change. When handling a permitted material that has not previously been handled at the facility, the permittee shall perform an initial VE test on the new material when it is handled for the first time and submit two copies of the test results to the Air Management Division of the Environmental Protection Commission of Hillsborough County within 45 days of testing.
[Rule 62-210.200(224) – Definitions, Operating Change and 62-4.070(3), F.A.C.]

15. The permittee shall provide timely notification to the Environmental Protection Commission of Hillsborough County prior to implementing any changes that may result in a modification to this permit pursuant to Rule 62-210.200(205), F.A.C., Modification. The changes do not include normal maintenance, but may include, and are not limited to, the following, and may also require prior authorization before implementation:
[Rules 62-210.300 and 62-4.070(3), F.A.C.]

A) Alteration or replacement of any equipment or major component of such equipment.
B) Installation or addition of any equipment which is a source of air pollution.
C) The handling of any new material not identified in this permit.

16. When the Environmental Protection Commission of Hillsborough County (EPC) after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable requirement or permit condition is being violated, it may require the owner or

operator of the source to conduct compliance tests which identify the nature and quantity of pollutant emissions from the source and to provide a report on the results of said tests to the EPC. For the purpose of confirming compliance with the emission limitations in this permit, the EPC may require the use of EPA Method 9, EPA Method 24, or other approved methods, as deemed necessary. [Rules 62-297.310(7)(b) and 62-4.070(3), F.A.C.]

17. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information.
[Rule 62-213.420(4), F.A.C.]

18. If the permittee wishes to transfer this permit to another owner, an "Application for Transfer of Permit" (DEP Form 62-210.900(7)) shall be submitted, in duplicate, to the Environmental Protection Commission of Hillsborough County within 30 days after the sale or legal transfer of the permitted facility.
[Rule 62-4.120, F.A.C.]

Section III. Emissions Unit(s) and Conditions.

Subsection A. This section addresses the following emissions units at the Port Sutton Terminal.

E.U. ID No.	Brief Description
010	Ship's / Barge's Hold Operation
011	Clamshell to Hopper Transfer Point
012	Belt to Belt Transfer on Top of Bldg No. 1
013	Belt to Belt Transfer on Top of Bldg No. 2
014	Belt to Belt Transfer on Top of Bldg No. 3
015	Truck Loading Stations: No. 6-Direct Hit for Ship Unloading, No. 1 and No. 2 (Truck/Railcar) for Building No. 1
016	Truck Loading Stations: No. 3 and No. 4 (Truck/Railcar) for Building No. 2
017	Truck Loading Station: No. 5 for Building No. 3
018	Truck to Product Pad
019	Clamshell to Ship's/Barge's Hold
020	Ship/Barge Unloading Utilizing a Conveyor System
101	Railcar/Truck Unloading Station
102	Building Railcar Unloading Feeder Belt
103	Belt to Belt Transfer Point on Top of Building No. 4
104	Truck Loadout No. 7 for Building No. 4

The following specific conditions apply to the emissions unit(s) listed above:

Enforceable Potential to Emit (PTE) Parameters

A.1. The following limitations and restrictions shall apply per any 12 consecutive month period:

a. The throughput of each group shall not exceed the following:

Group Number	Throughput (tons)
Group I	300,000 tons
Group II	700,000 tons
Group IV	100,000 tons
Group V	100,000 tons
Group VI	100,000 tons
Group VII	100,000 tons
Group VIII	100,000 tons
Group IX	100,000 tons

b. No more than 140,000 tons of bulk materials shall be loaded out of the facility into marine vessels (Shiploading).
c. Maximum Barge Unloading Rate: 450 TPH
d. Maximum Ship Unloading Rate: 450 TPH
e. Maximum Ship or Barge Loading Rate: 140 TPH
f. Maximum Truck and Railcar Loading Rate: 300 TPH
g. Maximum Railcar Unloading Rate: 300 TPH

[Rules 62-4.070(3), F.A.C., 62-210.200, F.A.C., Definitions - (PTE) and Permit Nos. 0570092-016/017-AC/AV]

A.2. Each emission units is allowed to operate continuously, i.e., 8,760 hours/year.
[Rule 62-4.070(3), F.A.C. and Rule 62-210.200, F.A.C., Definitions - (PTE)]

A.3. The maximum potential particulate matter emissions from the Port Sutton Terminal, including fugitive emissions, shall not exceed 93.4 tons per any twelve consecutive month period.
[Rules 62-4.070(3) and 62-210.200, F.A.C., Definitions - (PTE) and Permit Nos. 0570092-016/017-AC/AV]

A.4. The Truck Loading Station (EU 015) shall be totally enclosed.
[Rule 62-296.700(6)(c)2., F.A.C. and Permit Nos. 0570092-016/017-AC/AV]

A.5. The enclosures controlling the emission units under this permit shall be properly operated and maintained to ensure that they operate as intended. [Rule 62-4.070(3), F.A.C.]

A.6. All sprinkler systems shall adequately wet the material and shall ensure the material stays adequately wet while the material is being transferred or loaded into trucks. [Rule 62-4.070(3), F.A.C.]

Emission Limitations and Standards

A.7. Visible emissions from any emissions unit, building, or enclosure shall not exceed 5 percent opacity.
[Rule 62-296.711(2)(a), F.A.C. and Chapter 3-52, Paragraph 2, Rules of the EPC]

A.8. Reserved.

A.9. The permittee shall only handle the following materials at the Port Sutton Terminal:
[Rule 62-4.070(3), F.A.C. and AC Permit No. 0570092-016-AC]

Group I – Dusty Fertilizers		
Ammonium Sulfate	Standard Potassium Nitrate	Animal Feed Ingredients
Standard Muriate of Potash	Granular Sulfate of Potash	Phosphate Rock
Granular Muriate of Potash	Standard Sulfate of Potash	
Group II – Minimally Dusty Fertilizers		
Ammonium Nitrate[1]	Sodium Potassium Nitrate	MAP
Calcium Ammonium Nitrate	Compound Fertilizers[3]	DAP
Potassium Nitrate	Dried Sludge	GTSP[2]
Calcium Nitrate	Urea	Kieserite
Group IV – Semi-Dusty Non-Fertilizer Products		
Coal Fines	Iron Ore Fines	Millscale
Group V – Moderately Dusty Non-Fertilizer Products		
Coal	Syngypsum	Clay
Petcoke	Magnetite/Ferrous Oxides	
Iron Ore	Alumina Hydrate	
Group VI – Minimally Dusty Non-Fertilizer Products		
Gypsum	Alumina Hydrate	Filler Materials

Pumice	Vermiculite	Peanut Hulls
	Dolomite	Salt (solar)
Ferrous Sulfate	Glass	Bio-Mass
Ferro Alloys	Iron Scrap (including shredded scrap metal)	Granulated Furnace Slag
Coal Slag	Wood Chips	Clinker (treated or screened)
Prilled Sulfur	Magnetite/Ferrous Oxides	
Group VII – Agricultural Products		
Grains[4]	Grain Meals[4]	Seeds
Soybeans	Grain Byproducts[4]	Peas
Wheat, Rye, Barley[4]	Citrus Pellets	
Group VIII – Bauxite/Alumina and similar Dusty Cement-like Products		
Bauxite	Alumina	Slag Cement
Group IX - Aggregate		
Aggregate	Dirt, Soil	Granite
Limestone	Sand, Gravel	Rocks, stone
Limestone Fines		

[1] Storage of ammonium nitrate is limited to Building Nos. 2 & 4.
[2] See Specific Condition No. A.8.
[3] Compound fertilizer is defined as "ammonium nitrate with potash". The material shall have properties consistent with the MSD sheet received April 2, 2002.
[4] See Specific Condition No. A.10.

A.10. In order to exempt the facility from 40 CFR 60, Subpart DD, grain storage is limited to Building No. 1, which is the northern most building on the site. [Rule 62-4.070(3), F.A.C., 40 CFR 60.300(c)]

A.11. All reasonable precautions to reduce the generation of fugitive particulate matter emissions shall be adhered to at all times when handling ammonium nitrate fertilizer including, but not limited to, the following practices and restrictions:

a. Storage of this product is limited to Building Nos. 2 & 4.
b. Avoid contact with other products when handling this material.
c. Ensure proper cleaning procedures are maintained on the handling and transfer equipment when switching products to be loaded.
d. Ensure that material is properly stored in the sections of the building designated for this material.
e. Periodically inspect the bin walls encasing this product to confirm that the integrity of the barrier coating on the walls has not been compromised.
f. Monitor the temperature in the building to ensure that action will be taken if the temperature were to approach the decomposition temperature of 130°F. [Rule 62-4.070(3), F.A.C.]

Test Methods and Procedures

A.12. The permittee shall test the handling of dried sludge for opacity the first time it is unloaded from a ship/barge following issuance of Title V Permit No. 0570092-018-AV. The visible emissions test shall be performed on the receiving hopper when the material is dropped into it and on the first conveyor belt. All testing should be in accordance with the requirements of Specific Condition Nos. A.13, A.14, and A.15.
[Rule 62-297, F.A.C. and Permit No. 0570092-014-AV]

A.13. In addition to the test specified in Specific Condition No. A. 12, test each emission unit and each building for opacity annually once per federal fiscal year (October 1 – September 30). Tests shall be conducted while handling the dustiest material handled at the facility in the previous 12 months. Test results shall be submitted in duplicate within 45 days of testing to the Air Management Division of the Environmental Protection Commission of Hillsborough County. Testing procedures shall be consistent with the requirements of Rule 62-297.310, F.A.C. Failure to submit the process rate with the test results or operation at conditions during testing which do not reflect actual operating conditions may invalidate the test. [Rules 62-297.310(8) and 62-4.070(3), F.A.C.]

A.14. Compliance with the particulate matter and visible emission limitations of Specific Condition Nos. A.3. and A.7 shall be determined using EPA Methods 1, 2, 4, 5, and 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. The EPA Method 9 test observation period on each source shall be at least thirty (30) minutes in duration. The minimum requirements for stack sampling facilities, source sampling, and reporting shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A. Because of the expense and complexity of conducting a stack test, the Environmental Protection Commission of Hillsborough County pursuant to the authority granted under Rule 62-297.620(4), F.A.C. hereby allows the particulate testing to be waived in lieu of a visible emission standard not to exceed opacity of 5%. Should the EPC have reason to believe that the particulate matter standard is not being met, it may require that a particulate matter test demonstrating compliance with the emission limit be conducted. [Rule 62-297.620(4), F.A.C. and 62-296.711(3)(c), F.A.C.]

A.15. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity listed in Specific Condition No. A.1**.** If it is impracticable to test at capacity, then the source may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the EPC. Failure to submit the input rates, the actual operating conditions, and information on whether or not the material was treated may invalidate the test.
[Rules 62-4.070(3), 62-297.310(2)(b), and 62-297.310(8) F.A.C.]

Monitoring, Recordkeeping, and Reporting Requirements

A.16. The permittee shall perform the following checks and inspect the condition of each of the following equipment on a daily and weekly basis and shall perform any necessary maintenance work in order to keep the equipment in good working order to minimize fugitive particulate emissions.
[Rule 62-296.700(6)(c)2., F.A.C.]

Daily

Perform daily instantaneous visible emissions checks on each emission unit operated and record the results of the checks.

Weekly

a. Conveyor belts
b. Belt idlers
c. Conveyor covers
d. Chain casings
e. Electric motors
f. Belt drives
g. Transfer points
h. Railcar loading chutes
i. Truck loading enclosures

Quarterly

a. Inspect and test run all conveyor belts
b. Inspect all conveyor belt flashings
c. Verify the correct tracking of the conveyor belts
d. Inspect the belt wipers on each transfer point
e. Inspect the structural enclosures around the transfer points for good condition
f. Inspect the transfer chutes for obstructions
g. Verify the dock hopper wind screen is in the correct position to properly prevent fugitive emissions
h. Verify the dock hopper wind screen is free of obstructions and is in good repair
i. Verify that the flow from the exhaust fans of the bulldozers in the ship's hold are oriented to minimize fugitive emissions

A.17. Records of the checks and inspections required in Specific Condition No. A.16. and records of performance parameters shall be retained for a minimum of five years and shall be made available to the Environmental Protection Commission of Hillsborough County, state, or federal air pollution agency upon request.
[Rule 62-296.700(6)(e), F.A.C.]

A.18. In order to show compliance with Specific Condition Nos. A.1., A.3., A.5., A.7., A.9., A.10, and A.17, the permittee shall maintain monthly records of operations for the most recent five year period. The records shall be made available to the Environmental Protection Commission of Hillsborough County, state or federal air pollution agency upon request. The records shall include, but not limited to, the following: [Rule 62-296.700(6)(c), F.A.C.]

a. Date and Year
b. Name of the product received
c. Quantity of each product received (tons)
d. Quantity of each product shipped offsite (tons)
e. Point of Storage for each product
f. The building in which any grain is stored on-site
g. Twelve month rolling total of quantity of c. and d. above
h.
i.
j. Records of significant spills, maintenance activities, and service activities
k. Records as required by Specific Condition No. A. 16.
l. Records as required by Appendix O&M of the Title V Permit.

Subsection B. This section addresses the following emissions unit(s) at the Harford Street Terminal.

E.U. ID No.	Brief Description
105	Hartford Street Terminal Warehousing Operations
106	Hartford Street Terminal Stockpiling Operations

The following specific conditions apply to the emissions unit(s) listed above:

Enforceable Potential to Emit (PTE) Parameters

B.1. Permitted Capacity. The following limitations and restrictions shall apply per any 12 consecutive month period:

a. The throughput of each group shall not exceed the following:

Group Number	Throughput (tons)
Group I	100,000 tons
Group II	200,000 tons
Group IV	100,000 tons
Group V	400,000 tons
Group VI	400,000 tons
Group VII	300,000 tons
Group VIII	200,000 tons
Group IX	300,000 tons

b. Maximum Truck Loading and Unloading Rate: 450 TPH
c. Maximum Railcar Loading Rate: 450 TPH
d. Maximum Railcar Unloading Rate: 300 TPH

[Rules 62-4.070(3) and 62-210.200, F.A.C., Definitions - (PTE) and Permit Nos. 0570092-016/017-AC/AV]

B.2. Hours of Operation. Each emission unit is allowed to operate continuously, i.e., 8,760 hours/year.
[Rules 62-4.070(3) and 62-210.200, F.A.C., Definitions - (PTE)]

B.3. The maximum potential particulate matter emissions from this facility, including fugitive emissions, shall not exceed 155.7 tons per any twelve consecutive month period.
[Rules 62-4.070(3) and 62-210.200, F.A.C., Definitions - (PTE) and Permit Nos. 0570092-016/017-AC/AV]

Emission Limitations and Standards

B.4. Visible emissions from any emissions unit, building, or enclosure shall not exceed 5 percent opacity.
[Rules 62-296.711(2)(a) and 62-4.070(3), F.A.C.]

B.5. Reserved.

B.6. The facility shall handle only the following dry bulk materials at this site:
[Rule 62-4.070(3), F.A.C. and Permit Nos. 0570092-016/017-AC/AV]

Group I – Dusty Fertilizers		
Ammonium Sulfate	Standard Potassium Nitrate	Animal Feed Ingridients
Standard Muriate of Potash	Granular Sulfate of Potash	
Granular Muriate of Potash	Standard Sulfate of Potash	
Group II – Minimally Dusty Fertilizers		
Ammonium Nitrate	Sodium Potassium Nitrate	MAP
Calcium Ammonium Nitrate	Compound Fertilizers[2]	DAP
Potassium Nitrate	Dried Sludge	GTSP[1]
Calcium Nitrate	Urea	Kieserite
Group IV – Semi-Dusty Non-Fertilizer Products		
Coal Fines	Iron Ore Fines	Millscale
Group V – Moderately Dusty Non-Fertilizer Products		
Coal	Syngypsum	Clay
Petcoke	Magnetite/Ferrous Oxides	
Iron Ore	Alumina Hydrate	
Group VI – Minimally Dusty Non-Fertilizer Products		
Gypsum	Alumina Hydrate	Filler Materials
Pumice	Vermiculite	Peanut Hulls
	Dolomite	Salt (solar)
Ferrous Sulfate	Glass	Bio-Mass
Ferro Alloys	Iron Scrap (including shredded scarp metal)	Granulated Furnace Slag
Coal Slag	Wood Chips	Clinker (treated or screened)
Prilled Sulfur	Magnetite/Ferrous Oxides	
Group VII – Agricultural Products		
Seeds	Soybeans	Peas
Citrus Pellets		
Group VIII – Bauxite/Alumina and similar Dusty Cement-like Products		
Bauxite	Alumina	Slag Cement
Group IX - Aggregate		
Aggregate	Dirt, Soil	Granite
Group IX – Aggregate (con't)		
Limestone	Sand, Gravel	Rocks, stone
Limestone Fines		

[1] See Specific Condition No. B.5.

[2] Compound fertilizer is defined as "ammonium nitrate with potash". The material shall have properties consistent with the MSD sheet received April 2, 2002.

B.7. The permittee shall not handle grains at the Hartford Street site. [Rule 62-4.070(3), F.A.C.]

Test Methods and Procedures

B.8. Test each reclaim to hopper transfer point, each outside conveyor transfer point, the entrance and exit to each storage building, one truck loadout and one rail loadout from warehousing operations, and one truck loadout from stockpiling operations for opacity once per federal fiscal year (October 1 – September 30). Tests shall be conducted while handling the dustiest material handled at the facility within the previous 12 months. Test results shall be submitted in duplicate within 45 days of testing to the Air Management Division of the Environmental Protection Commission of Hillsborough County. Testing procedures shall be consistent with the requirements of Rule 62-297.310, F.A.C. Failure to submit the process rate and the moisture content with the test report or operation at conditions during testing which do not reflect actual operating conditions may invalidate the test.
[Rules 62-4.070(3), 62-297.310(7)(a) and (8), F.A.C.]

B.9. Compliance with emission limitations of Specific Condition No. B.4 shall be determined using EPA Method 9 contained in 40 CFR 60 Appendix A and adopted by reference in Rule 62-297.310, F.A.C. Each visible emission test shall be at least 30 minutes in duration. EPA Method 9 may be used for operations which are normally completed within less than the minimum observation period and do not recur within that time, in that instance, the period of observation shall be equal to the duration of the operation completion time. The minimum requirements for stack sampling and reporting shall be in accordance with Rule 62-297, F.A.C. The test report shall include information regarding the moisture content of the material as received which may be obtained from information provided by the material supplier. [Rules 62-296.711(3)(a) and 62-297.310(7), F.A.C.]

B.10. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity listed in Specific Condition No. B.1. If it is impracticable to test at capacity, then the source may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the EPC. Failure to submit the input rates, the actual operating conditions, and information on whether or not the whether the material was treated may invalidate the test.
[Rules 62-4.070(3) and 62-297.310(2)(b), F.A.C.]

B.11. The permittee shall notify the Air Compliance Section of the Environmental Protection Commission of Hillsborough County at least 15 days prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the contact person who will be responsible for coordinating and having such test conducted. [Rule 62-297.310(7)(a)9., F.A.C.]

Monitoring, Recordkeeping, and Reporting Requirements

B.12. The permittee shall perform the following checks and inspect the condition of each of the following equipment on a daily and weekly basis and shall perform any necessary maintenance work in order to keep the equipment in good working order to minimize fugitive particulate matter emissions.
[Rule 62-296.700(6)(c)2., F.A.C.]

Daily

Perform daily instantaneous visible emissions checks on each emission unit operated and record the results of the checks.

Weekly

a. Conveyor belts
b. Belt idlers
c. Conveyor covers
d. Chain casings
e. Electric motors
f. Belt drives
g. Transfer points
h. Railcar loading chutes
i. Truck loading enclosures

Quarterly

a. Inspect and test run all conveyor belts
b. Inspect all conveyor belt flashings
c. Verify the correct tracking of the conveyor belts
d. Inspect the belt wipers on each transfer point
e. Inspect the structural enclosures around the transfer points for good condition
f. Inspect the transfer chutes for obstrutcionts

B.13. Records of the checks and inspections required in Specific Condition No. B.11. and records of performance parameters shall be retained for a minimum of five years and shall be made available to the Environmental Protection Commission of Hillsborough County, state, or federal air pollution agency upon request.
[Rule 62-296.700(6)(e), F.A.C.]

B.14. In order to show compliance with Specific Condition Nos. B.1., B.3., B.6., B.7., and B.12., the permittee shall maintain monthly records of operations for the most recent five year period. The records shall be made available to the Environmental Protection Commission of Hillsborough County, state or federal air pollution agency upon request. The records shall include, but not limited to, the following:
[Rules 62-296.700(6)(c) and 62-4.070(3) F.A.C.]

a. Date and Year
b. Name and group of each product received and shipped
c. Quantity of each product received (tons)
d. Quantity of each product shipped (tons)
e. Quantity of each product group received (tons)
f. Quantity of each product group shipped (tons)
g. Point of Storage for each product
h. Twelve month rolling total of c. through f. above
k. Records of significant spills, maintenance activities, and service activities
l. Records as required by Specific Condition No. B.12.