M E M O R A N D U M

DATE: December 8, 2011

TO: Richard D. Garrity, Ph.D.

FROM: Lora Webb **THRU**: Diana M. Lee, P.E.

SUBJECT: Final Construction Permit – Kinder Morgan OLP "C"-Tampaplex
Permit No. 0570024-021-AC

Attached is Final Permit No. 0570024-021-AC for construction of a coal handling operation at Kinder Morgan's Tampaplex Terminal, a bulk material handling facility, located at 4801 Port Sutton Road, Tampa, Fl 33619. The operation will involve the use of a refurbished railcar unloading station, two new conveyor belts, and a new transfer tower.

Kinder Morgan receives dry phosphate rock, animal feed ingredient (AFI), fertilizer products (MAP, DAP, GTSP) and other bulk materials by truck or railcar and stores the material within enclosed storage silos or buildings until transported off site by ship or barge. The products can also be transferred directly to a shiphold from a truck or railcar. In addition, the facility operates a marine vessel (stevedoring) loading and unloading operation of various bulk materials.

The facility published the Public Notice in The Times, an edition of the St. Petersburg Times on November 23, 2011. No comments were received from the public or from the facility.

Based on our review, we recommend approval of the above referenced permit as drafted.

LAW: 0570024-021-AC

FINAL DETERMINATION

FOR

Kinder Morgan OLP "C"
Tampaplex Facility

Hillsborough County

Construction Permit

Application Numbers

0570024-021-AC

Environmental Protection Commission of

Hillsborough County

Tampa, FL

December 8, 2011

FINAL DETERMINATION

The Environmental Protection Commission of Hillsborough County mailed a public notice package on September 29, 2011 that included an Intent to Issue Air Construction Permit No. 0570024-021-AC to Kinder Morgan OLP "C", Tampaplex Facility. The facility is located at 4801 Port Sutton Rd., Tampa, Hillsborough County, FL, 33619. This permit authorizes receiving coal by railcar and loading it out by ship. The operation will involve the use of a refurbished railcar unloading station, two new conveyor belts, and a new transfer tower. This permit also revises the potential to emit of the Stevedoring operation.

The Public Notice of Intent to Issue was published in The Times, an edition of the St. Petersburg Times on November 23, 2011.

COMMENTS/CHANGES

No comments were received from the applicant or the public.

CONCLUSION

The final action of the Environmental Protection Commission of Hillsborough County is to issue the permit as drafted.

ENVIRONMENTAL PROTECTION COMMISSION OF
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT

Craig Mullins
General Manager
Kinder Morgan OLP "C"
1500 Greenleaf Street
Charleston, SC 29405

Re: Hillsborough County - AP

Dear Mr. Mullins:

Enclosed is Permit No. 0570024-021-AC to authorize receiving coal by railcar and loading it out by ship. The operation will involve the use of a refurbished railcar unloading station, two new conveyor belts, and a new transfer tower. This permit also revises the potential to emit of the Stevedoring operation. This permit is issued pursuant to Section 403.087, Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the EPC in the Legal Department at 3629 Queen Palm Dr, Tampa, FL 33619; 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 of Appeal must be filed within 30 days from the date this Notice is filed with the clerk of the EPC.

Executed in Tampa, Florida.

Sincerely,

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

RDG/LAW/law

cc: Florida Department of Environmental Protection (via email)
Alice Harman – Kinder Morgan (via email)
David Cibik, P.E. – Arcadis (via email)

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on _____ to the listed persons.

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

_____ _____
Clerk Date

PERMITTEE:	PERMIT/CERTIFICATION
Kinder Morgan OLP "C"	Permit No.: 0570024-021-AC
5321 Hartford Street	County: Hillsborough
Tampa, FL 33619	Expiration Date: March 1, 2013
	Project: Receiving Coal by Railcar

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 62-204, 62-210, 62-212, 62-296, 62-297, and 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the EPC and made a part hereof and specifically described as follows:

This permit authorizes construction of a coal handling operation. Coal, which will be received by railcar, will be unloaded at either the refurbished Railcar/Truck Dump No. 2 (EU No. 125) or at the existing Railcar/Truck Unloading Station (EU No. 002). If coal is received at the Railcar/Truck Dump No. 2, it will be unloaded and conveyed to either new Conveyor Belt C-20 or new Conveyor Belt BC-17A. If the coal is directed to Conveyor Belt C-20, the coal will be conveyed to the moveable Radial Stacker RS-01 (EU No. 126). The Radial Stacker RS-01, which is currently used to transfer material from the Stevedoring Conveyor BC-01 to the Stevedoring Conveyor BC-02, will be moved and connected to Conveyor Belt C-20 as needed. From the Radial Stacker RS-01, the coal will be conveyed to the Stevedoring belt conveyor BC-03 (EU No. 127) and conveyed to the dual wing stacker (EU 109) where the coal will be stockpiled (EU 110) in one of two storage areas, the north and south storage areas. When the coal that is stored in the storage piles is ready to be shipped offsite, a front-end loader will load the coal into a truck (EU 111) which will truck the coal the Railcar/Truck Dump No. 2 or to the Railcar/Truck Unloading Station (EU No. 002).

When a ship is ready to be loaded with coal, the coal, from either trucks or railcars, will be unloaded at the Railcar/Truck Dump No. 2. From there, the coal will be transferred to the new Conveyor Belt BC-17A (EU No. 125) and conveyed to the new Transfer Tower TT-17A (EU No. 128). The Transfer Tower TT-17A will transfer the coal to the existing Conveyor Belt No. C-18 and the coal will be conveyed into ships using the existing conveyor belts C-12, C-13, and C-14 (EU Nos. 007, 005, 003, and 013).

Alternatively, coal may be unloaded from either trucks or railcars at the partially enclosed Railcar/Truck Unloading Station (EU No. 002). When coal is unloaded at this unloading station, the coal will be transferred into six hoppers through grates in the floor of the structure. The coal

will then be transferred from the unloading hoppers to the existing Conveyor Belt No. C17. An existing transfer tower (EU No. 004) located at the end of Conveyor C17 will transfer the coal to the existing Conveyor Belt No. C18 and the coal will be conveyed into ships using the existing conveyor belts C-12, C-13, and C-14 (EU Nos. 007, 005, 003, and 013).

The ships will be loaded (EU Nos. 003 and 013) with coal using the existing telescopic chute and an OBA chokefeeder. Particulate matter emissions from the ship loading operation are controlled through the use of a gantry mounted dust suppression system. The dust suppression system consists of one spray header with four spray nozzles located throughout the gantry using a surfactant chemical that is mixed with water. Particulate matter emissions from the coal handling operation will be controlled through the use of water sprays as needed to comply with the opacity standard specified in Rule 62-296.711, F.A.C. Also, in order to provide reasonable assurance that the coal unloading operation will comply with the 5% opacity standard, the permit specifies that a water spray and/or surfactant system will need to be installed and operated as needed at the Railcar Dump No. 2 and at the Railcar Unloading Station.

Kinder Morgan is also authorized to operate a marine vessel (stevedoring) bulk material loading and unloading operation at the Kinder Morgan's Tampaplex location and at numerous berths in Hillsborough County. The stevedoring operation involves the loading and unloading of various bulk materials that include fertilizer materials, coal, limestone, granite, bauxite, etc., onto and from marine vessels.

Location: Tampaplex - 4801 Port Sutton Rd, Tampa, FL 33619

UTM: 17- 360.10E 3087.5N Facility ID No.: 0570024

Emission Unit Nos.:

Emission Unit (EU) No.	**EU Description**
002	Railcar/Truck Unloading
003	Shiploading Operation (C13 to C14)
004	C17 Transfer Tower Transfer Point
005	C12 Transfer Point A (C12 to C13)
007	C18 Transfer Point D (C18 To C12)
013	Shiphold Loading (C14 to telescopic chute)
104	Clamshell to Hopper(s) RH-01 and RH-02
105	RH-01 and RH-02 to Conveyor BC-01
106	Conveyor BC-01 to Radial Stacker RS-01

107	RS-01 to Conveyor BC-02 or Conveyor PC-01
Emission Unit (EU) No.	**EU Description**
108	Conveyor BC-02 to Conveyor BC-03 or PC-01 to Conveyor PC-02
109	Conveyor BC-03 to Stacker Wing or PC-02 to Radial Stacker RS-02
110	Stacker Wing to Storage Pile or RS-02 to Storage Pile
111	Front End Loader to Truck/Railcar
125	Railcar/Truck Dump No. 2 to Conveyor C-20 or Conveyor BC-17A
126	Conveyor C-20 to Radial Stacker RS-01
127	Radial Stacker RS-01 to Conveyor BC-03
128	Conveyor BC-17A to Transfer Tower TT-17A and Conveyor C-18

References Permit No.: 0570024-018-AC

Replaces Permit No.: NA

SPECIFIC CONDITIONS:

Section A. The following conditions apply facility-wide:

FW1. 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.]

FW2. As requested by the permittee, in order to remain a synthetic minor facility with respect to the requirements of Rule 62-212.400, Prevention of Significant Deterioration, F.A.C., the maximum potential to emit (PTE) particulate matter emissions shall not exceed 247 tons per twelve consecutive month period, which is comprised of the following operations: [Rule 62-4.070(3), F.A.C.]

a) Particulate Matter Emissions from the Tampaplex Operation: 117.7 tons
b) Particulate Matter Emissions from the Stevedoring Operation: 129.3 tons

FW3. In order to ensure compliance with the emission limitations in Specific Condition No. FW2., the following restrictions and limitations shall apply for any consecutive twelve month period: [Rule 62-4.070(3), F.A.C. and Permit No. 0570024-018-AC]

a) The maximum combined throughput of material handled at the Tampaplex location shall not exceed 11,826,000 tons.
b) Of the 11,826,000 tons, no more than 10,000,000 tons of oiled MAP/DAP shall be handled with the control device(s) turned off.
c) When handling oiled MAP/DAP with the control device(s) turned off, the MAP/DAP shall be sufficiently treated with a non-hazardous oil or dust suppressant to comply with the 5% opacity limit specified in Rule 62-296.711(2)(a), F.A.C.
d) The permittee shall install a water spray and/or surfactant system at the Railcar/Truck Unloading (EU No. 002) and at the Railcar/Truck Dump No. 2 (EU No. 125).
e) When handling coal with the control device(s) turned off, the coal shall be treated with water and/or a dust surfactant, as necessary, to comply with the 5% opacity limit specified in Rule 62-296.711(2)(a), F.A.C.
f) When coal is received by railcar and/or loaded out by ship, the throughput of the coal shall be counted as part of the Stevedoring material throughput.
g) The combined material throughput handled through the Stevedoring operation shall not result in that operation emitting more than 129.3 tons of particulate matter emissions per twelve consecutive month period.

FW4. The permittee shall handle only the following materials at the Tampaplex site and at all Stevedoring locations: [Rule 62-4.07(1), F.A.C.]

Group I – Dusty Fertilizers		
Ammonium Sulfate	Granular Sulfate of Potash	Animal Feed Ingredients

SPECIFIC CONDITIONS:

Group I – Dusty Fertilizers (continued)		
Standard Muriate of Potash	Standard Sulfate of Potash	Standard Potassium Nitrate
Granular Muriate of Potash	Granular Sulfate of Potash-Magnesium	Standard Sulfate of Potash-Magnesium
Group II – Phosphate Rock		
Phosphate Products Rock		
Group III – Minimally Dusty Fertilizers		
Ammonium Nitrate	Sodium Potassium Nitrate	MAP
Calcium Ammonium Nitrate	Compound Fertilizers	DAP
Potassium Nitrate	Dried Sludge	GTSP
Calcium Nitrate	Urea	Kieserite
Group I V – Millscale		
Millscale		
Group V– Moderately Dusty Non-Fertilizer Products		
Coal	Syngypsum	Clay
Petcoke	Iron Ore	Magnetite/Ferrous Oxides
Group VI – Minimally Dusty Non-Fertilizer Products		
Gypsum	Alumina Hydrate	Filler Materials
Pumice	Vermiculite	Peanut Hulls
Wood Chips	Dolomite	Salt (solar)
Ferrous Sulfate	Glass	Bio-Mass
Ferro Alloys	Iron Scrap (including shredded scrap metal)	Granulated Furnace Slag
Clinker (treated or screened)	Prilled Sulfur	
Group VII – Coal Slag		
Coal Slag		
Group VIII – Agricultural Products		
Grains	Grain Meals	Seeds
Soybeans	Grain Byproducts	Peas
Wheat, Rye, Barley	Citrus Pellets	
Group IX – Bauxite/Alumina and similar Dusty Cement-like Products		
Bauxite	Alumina	Slag Cement

SPECIFIC CONDITIONS:

Group X - Aggregate		
Limestone	Granite	Rocks
Gravel	Stone	
Group XI – Sand and Similar Materials		
Sand	Soil	Limestone Fines
Dirt		

FW5. 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.]

FW6. The permittee shall submit all compliance related notifications and reports required of this permit to the Environmental Protection Commission of Hillsborough County at: [Rule 62-4.070(3), F.A.C.]

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

FW7. 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 emission standard contained in Rules 62-204, 62-210, 62-212, 62-296, or 62-297, F.A.C., or in a permit issued pursuant to those rules 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. [Rule 62-297.310(7)(b), F.A.C.]

FW8. If the permittee wishes to transfer this permit to another owner, an "Application for Transfer of Air 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.]

FW9. A minimum of two copies of a Title V air operating permit application shall be submitted to the Environmental Protection Commission of Hillsborough County within 90 days of receipt of the first shipment of coal received by railcar or at least 180 days prior to the expiration date of this permit, whichever occurs first. [Rules 62-4.050(2) and 62-4.090, F.A.C.]

SPECIFIC CONDITIONS:

Section A. The following specific conditions apply to the following emission units:

EU No.	Description
002	Railcar/Truck Unloading
004	C17 Transfer Tower Transfer Point

A.1. Capacity. The maximum product unloading and transfer rate for each emission unit shall not exceed 1,800 tons/hour. [Rules 62-210.200, Definitions - (PTE) and 62-4.070(3), F.A.C. and Permit No. 0570024-018-AC]

A.2. The use of water or a dust surfactant in lieu of operating the current control system(s) during the handling of materials is allowed provided that the handling operation does not exceed the 5% opacity standard. [Rule 62-4.070(3), F.A.C.]

A.3. The permittee shall not cause, permit, or allow any visible emissions (five percent opacity) from any emission unit, transfer point, or activity associated with Emission Unit Nos. 002 and 004. [Rule 62-296.711(2)(a), F.A.C. and Ch. 1-3.52.2. of the Rules of the EPCHC]

A.4. Test Emission Unit Nos. 002 and 004 for visible emissions at the point of highest opacity, the first time coal is handled through each emission unit. Submit two copies of test data to the Air Management Division of the Environmental Protection Commission of Hillsborough County within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 62-297.310, F.A.C. [Rule 62-297.310(7)(a)4., F.A.C.]

A.5. Compliance with the emission limitations of Specific Condition No. A.3. shall be determined using EPA Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. Each EPA Method 9 test shall be a minimum of 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. [Rule 62-297.310(4)(a)2., F.A.C.]

A.6. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of the maximum unloading rate of 1,800 tons/hour. 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 pressure drop, if applicable, the input rates, and actual operating conditions may invalidate the test. [Rules 62-297.310(2) and 62-4.070(3), F.A.C.]

A.7. In order to demonstrate compliance with Specific Condition No. A.1., the permittee shall maintain a monthly recordkeeping system for the most recent five year period. The records shall be made available to the EPC of Hillsborough County, state or federal air pollution agency upon request. The records shall include, but are not limited to, the following: [Rules 62-4.070(3) and 62-

SPECIFIC CONDITIONS:

213.440(1)(b)2.b., F.A.C.]

a) Day, Month, Year
b) Hours of operation for each emission unit
c) Amount and type of material transferred through each emission unit (tons)
d) Rolling twelve month total of b) and c) above

SPECIFIC CONDITIONS:

Section B. The specific conditions in this section apply to the following emissions unit(s):

EU No.	Brief Description
-003	Shiploading Operation (C13 to C14)
-005	C12 Transfer Point A (C12 to C13)
-013	Shiphold Loading (C14 to telescopic chute)

B.1. Capacity. The maximum transfer rate for each emission unit shall not exceed 2,300 tons/hour. [Rules 62-210.200, Definitions - (PTE) and 62-4.070(3), F.A.C.]

B.2. The permittee shall not cause, permit, or allow any visible emissions (five percent opacity) from any emission unit, transfer point, or activity associated with the emission units except where material is being discharged to the hold of a ship from a conveyor system. When the conveyor and/or hatch covering is moved, an opacity of 10 percent will be allowed. [Rule 62-296.711(2)(a), F.A.C.]

B.3. In order to demonstrate compliance with the limits of Specific Condition No. B.2., the following restrictions shall apply: [Rule 62-4.070(3), F.A.C.]

A) The gantry dust suppression system shall be maintained in operable condition so that it can be operated at any time as necessary during the loading of material to maintain compliance with the permitted opacity limit.
B) The permittee shall ensure that the telescopic chute is in good operating condition and free of leaks prior to each ship loading operation.

B.4. The use of water or a dust surfactant in lieu of operating the current control system(s) during the handling of materials is allowed provided that the handling operation does not exceed the 5% opacity standard. [Rule 62-4.070(3), F.A.C.]

B.5. Test the following emission points for visible emissions at the point of highest opacity the first time coal is handled through each emission unit. Submit two copies of test data to the Air Management Division of the Environmental Protection Commission of Hillsborough County within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 62-297.310, F.A.C. [Rule 62-297.310, F.A.C.]

A) The shiploading operation - Emission Unit No. 003
B) Shiphold opening - Emission Unit No. 013
C) C12 Transfer Point A – Emission Unit No. 005

B.6. Compliance with the emission limitations of Specific Condition No. B.2. shall be determined using EPA Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. The EPA Method 9 test interval on the source shall be 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. The test report shall indicate whether the gantry dust suppression system was operating during the visible emission readings. [Rule 62-297.310(4)(a)2., F.A.C.]

B.7. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of handling 2,300 TPH for all materials. 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 pressure drop, if applicable, the input rates, and actual operating conditions may invalidate the test. [Rules 62-297.310(2) and 62-4.070(3), F.A.C.]

B.8. In order to demonstrate compliance with Specific Condition No. B.1., the permittee shall maintain a monthly recordkeeping system 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 62-4.070(3), F.A.C.]

a) Day, Month, year
b) Hours of operation for each emission unit and baghouse
c) Amount and type of material loaded into ships (tons)
d) Rolling twelve month total of b) and c) above for each material handled

SPECIFIC CONDITIONS:

Section C. The following specific conditions apply to the following emission units:

EU No.	Description
007	C18 Conveyor Transfer Point D (C18 to C12)

C.1. Capacity. The maximum transfer rate shall not exceed 1,800 tons/hour. [Rules 62-210.200, Definitions - (PTE) and 62-4.070(3), F.A.C.]

C.2. The permittee shall not cause, permit, or allow any visible emissions (five percent opacity) from any emission unit, transfer point, or activity associated with Emission Unit No. 007. [Rule 62-296.711(2)(a), F.A.C. and Ch. 1-3.52.2. of the Rules of the EPCHC]

C.3. The use of water or a dust surfactant in lieu of operating the current control system(s) during the handling of materials is allowed provided that the handling operation does not exceed the 5% opacity standard. [Rule 62-4.070(3), F.A.C.]

C.4. Test the emissions from Emission Unit No. 007 for visible emissions at the point of highest opacity the first time coal is handled through the emission unit. Submit two copies of the test data to the Air Management Division of the Environmental Protection Commission of Hillsborough County within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 62-297.310, F.A.C. [Rule 62-297.310, F.A.C.]

C.5. Compliance with the emission limitations of Specific Condition No. C.2. shall be determined using EPA Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. Each EPA Method 9 test shall be 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. [Rule 62-297.310(4)(a)2., F.A.C.]

C.6. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of the maximum material handling rates of 1,800 tons/hour. 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 and actual operating conditions may invalidate the test. [Rules 62-297.310(2) and 62-4.070(3), F.A.C.]

C.7. In order to demonstrate compliance with Specific Condition No. C.1., the permittee shall maintain a monthly recordkeeping system 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 62-4.070(3) and 62-213.440(1)(b)2.b., F.A.C.]

SPECIFIC CONDITIONS:

a) Day, Month, Year
b) Hours of operation for each emission unit
c) Amount and type of material transferred on the conveyor system (tons)
d) Rolling twelve month total of b) and c) above

SPECIFIC CONDITIONS:

Section D. The following specific conditions apply to the following emission units:

EU No.	Brief Description
-104	Clamshell to Hopper(s) RH-01 and RH-02
-105	RH-01 and RH-02 to Conveyor BC-01
-106	Conveyor BC-01 to Radial Stacker RS-01
-107	RS-01 to Conveyor BC-02 or Conveyor PC-01
-108	Conveyor BC-02 to Conveyor BC-03 or PC-01 to Conveyor PC-02
-109	Conveyor BC-03 to Stacker Wing or PC-02 to Radial Stacker RS-02
-110	Stacker Wing to Storage Pile or RS-02 to Storage Pile
-111	Front End Loader to Truck/Railcar

D.1. In order to limit the potential to emit, the total potential particulate matter emissions from the Stevedoring operation shall not exceed 129.3 tons per twelve consecutive month period. [Rules 62-210.200, Definitions - (PTE) and 62-4.070(3), F.A.C.]

D.2. In order to ensure compliance with Specific Condition Nos. FW2., FW3., and D.1., the following limitations shall apply per any twelve consecutive month period: [Rule 62-4.070(3), F.A.C.]

a) The Stevedoring operation is permitted to handle the following materials only:

Group I – Dusty Fertilizers		
Ammonium Sulfate	Granular Sulfate of Potash	Animal Feed Ingredients
Standard Muriate of Potash	Standard Sulfate of Potash	Standard Potassium Nitrate
Granular Muriate of Potash	Granular Sulfate of Potash-Magnesium	Standard Sulfate of Potash-Magnesium
Group II – Phosphate Rock		
Phosphate Products Rock		
Group III – Minimally Dusty Fertilizers		
Ammonium Nitrate	Sodium Potassium Nitrate	MAP
Calcium Ammonium Nitrate	Compound Fertilizers	DAP
Potassium Nitrate	Dried Sludge	GTSP
Calcium Nitrate	Urea	Kieserite

SPECIFIC CONDITIONS:

Group I V – Millscale		
Millscale		
Group V– Moderately Dusty Non-Fertilizer Products		
Coal	Syngypsum	Clay
Petcoke	Iron Ore	Magnetite/Ferrous Oxides
Group VI – Minimally Dusty Non-Fertilizer Products		
Gypsum	Alumina Hydrate	Filler Materials
Pumice	Vermiculite	Peanut Hulls
Wood Chips	Dolomite	Salt (solar)
Ferrous Sulfate	Glass	Bio-Mass
Ferro Alloys	Iron Scrap (including shredded scrap metal)	Granulated Furnace Slag
Clinker (treated or screened)	Prilled Sulfur	
Group VII – Coal Slag		
Coal Slag		
Group VIII – Agricultural Products		
Grains	Grain Meals	Seeds
Soybeans	Grain Byproducts	Peas
Wheat, Rye, Barley	Citrus Pellets	
Group IX – Bauxite/Alumina and similar Dusty Cement-like Products		
Bauxite	Alumina	Slag Cement
Group X - Aggregate		
Limestone	Granite	Rocks
Gravel	Stone	
Group XI – Sand and Similar Materials		
Sand	Soil	Limestone Fines
Dirt		

b) When calculating particulate matter emissions in order to demonstrate compliance with Specific Condition Nos. FW2., FW3., and D.1., the emission factors and control efficiencies listed below for each group of material shall be used.

Group Number	Emission Factor (lb/ton per transfer point)	Control Efficiency for Water Sprays	Max. Number of Transfer Points
I	0.016	0.9	8
II	0.24	0.9	8

SPECIFIC CONDITIONS:

Group Number	Emission Factor (lb/ton per transfer point)	Control Efficiency for Water Sprays	Max. Number of Transfer Points
III	0.01	0.9	8
IV	6.8	0.9	2
V	0.2	0.9	12
VI	0.067	0.9	8
VII	0.155	0.9	8
VIII	0.086	0.9	8
IX	1.1	0.9	2
X	0.02	0.9	8
XI	0.12	0.9	8

c) Millscale shall be treated with water or a dust suppressant at the first material transfer point and subsequent material transfer points as necessary to meet the 5% opacity standard.
d) All materials in Group IX shall be treated with a dust suppressant at the first material transfer point and subsequent material transfer points as necessary to meet the 5% opacity standard.
e) The amount of coal received by railcar and/or loaded out by ship shall count as part of the Stevedoring material throughput.

D.3. In order to ensure compliance with Specific Condition No. D.1., the following limitations and restrictions shall apply: [Rule 62-4.070(3), F.A.C.]

a) The maximum throughput of the conveying system shall not exceed 1,000 tons per hour of material.
b) The unbound (sorbed) moisture percent in petroleum coke shall not be less than 4%.

D.4. The permittee shall perform the following observations and checks on the schedule specified below. The permittee shall perform any necessary maintenance work in order to keep the equipment in good working order to minimize fugitive particulate emissions. [Rules 62-296.700(6), 62-4.070(3) and 62-213.440(1)(b)2.b., F.A.C. and Permit No. 0570024-018-AC]

a) <u>Daily (when in operation)</u>
   1) Inspect the water sprinkler system for proper operation, including, but not limited to, leaks and adequate wetness of material.

b) <u>Each day of Hauling (when in operation)</u>
   1) Inspect the unpaved areas to ensure they are adequately wet.
   2) Inspect the paved haul areas to ensure they are free of dust and debris.
   3) Inspect the truck wheel wash station for proper operation.

SPECIFIC CONDITIONS:

c) Records of inspections, maintenance, and performance parameters shall be retained for a minimum of five years and shall be made available to any local, state, or federal air pollution control agency upon request.

D.5. The permittee shall not cause, permit, or allow any visible emissions (five percent opacity) from any emission point, transfer point, or activity associated with EU Nos. 104 - 111. [Rule 62-296.711(2)(a), F.A.C.]

D.6. Test EU Nos. 104 – 111 for visible emissions annually, once per federal fiscal year (October 1 – September 30), and upon the first instance of handling a new material. Each VE observation shall be made at the point of highest opacity from each transfer point. Submit two copies of the test data to the Air Management Division of the Environmental Protection Commission of Hillsborough County within 45 days of such testing. Testing procedures shall be consistent with the requirements of Rule 62-297.310, F.A.C. [Rules 62-297.310(7)(a)4., 62-297.310(8)(b), and 62-4.070(3), F.A.C.]
(Permitting Note: For the purposes of this Specific Condition, "new material" shall mean a material which has never been loaded out and VE tested while being handled through EU 104 through 111.)

D.7. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of the rated capacity listed in Specific Condition No. D.3.a). 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, 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 throughput rates, moisture content of the material as received, and actual operating conditions may invalidate the test. [Rules 62-4.070(3) and 62-297.310, F.A.C.]

D.8. Compliance with the emission limitations of Specific Condition No. D.5. shall be determined using EPA Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. The Method 9 test shall be at least 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. [Rules 62-297, 62-297.310(4)(a)2., and 62-296.711(3)(a) F.A.C.]

D.9. In order to ensure compliance with Specific Condition Nos. D.1., D.2., and D.4., the permittee shall maintain a recordkeeping system. The records shall be maintained onsite for five years and shall be made available to any local, state, or federal air pollution agency upon request. The records shall include, but not limited to, the following: [Rule 62-4.070(3), F.A.C. and 62-213.440(1)(b)2.b., F.A.C. and Permit No. 0570024-018-AC]

a) <u>Operation at Kinder Morgan's Tampaplex Berth</u>
   I. Material Handling Records, which may be compiled from the Draft Survey and/or the Statement of Facts for each vessel
      1) Day, Month, Year

SPECIFIC CONDITIONS:

2) Amount, Group, and Type of each material received (tons)
3) Amount, Group, and Type of each material shipped offsite (tons)
4) Monthly total of 2) and 3) above
5) Rolling twelve month total of 4) above
6) Monthly and twelve month rolling summary of particulate matter emissions from material handling. When calculating particulate matter emissions, the emission factors and control efficiencies listed in D.2.b) shall be used.
7) Records as required by Specific Condition No. D.4.

SPECIFIC CONDITIONS:

Section E. The following specific conditions apply to the following emission units:

EU No.	Brief Description
-125	Railcar/Truck Dump No. 2 to Conveyor C-20 or Conveyor BC-17A
-126	Conveyor C-20 to Radial Stacker RS-01
-127	Radial Stacker RS-01 to Conveyor BC-03
-128	Conveyor BC-17A to Transfer Tower TT-17A and Conveyor C-18

E.1. Capacity. The maximum product unloading and transfer rate for each emission unit shall not exceed 1,000 tons/hour. [Rules 62-210.200, Definitions - (PTE) and 62-4.070(3), F.A.C. and Permit Application received July 29, 2011]

E.2. When handling material through these emission units, the following restrictions and limitations shall apply: [Rule 62-4.070(3), F.A.C. and Permit Application received July 29, 2011]

a) The material throughput shall count as part of the Stevedoring material throughput.
b) When calculating particulate matter emissions, the emission factors and control efficiencies listed in D.2.b) shall be used.

E.3. The permittee shall not cause, permit, or allow any visible emissions (five percent opacity) from any emission unit, transfer point, or activity associated with Emission Unit Nos. 125 - 128. [Rule 62-296.711(2)(a), F.A.C. and Ch. 1-3.52.2. of the Rules of the EPCHC]

E.4. Test Emission Unit Nos. 125 - 128 for visible emissions at the point of highest opacity, the first time coal is handled through each emission unit and annually thereafter. Submit two copies of test data to the Air Management Division of the Environmental Protection Commission of Hillsborough County within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 62-297.310, F.A.C. [Rule 62-297.310(7)(a)4., F.A.C.]

E.5. Compliance with the emission limitations of Specific Condition No. E.3. shall be determined using EPA Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. Each EPA Method 9 test shall be a minimum of 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. [Rule 62-297.310(4)(a)2., F.A.C.]

E.6. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of the maximum unloading and/or transfer rate of 1,000 tons/hour. 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 pressure

SPECIFIC CONDITIONS:

drop, the input rates and actual operating conditions may invalidate the test. [Rules 62-297.310(2) and 62-4.070(3), F.A.C.]

E.7. In order to demonstrate compliance with Specific Condition No. E.1. and E.2., the permittee shall maintain a monthly recordkeeping system for the most recent five year period. The records shall be made available to the EPC of Hillsborough County, state or federal air pollution agency upon request. The records shall include, but are not limited to, the following: [Rules 62-4.070(3) and 62-213.440(1)(b)2.b., F.A.C.]

a) Month, Year
b) Amount, Group, and Type of each material transferred through each emission unit (tons)
c) Monthly and twelve month rolling summary of particulate matter emissions from the material handling. When calculating particulate matter emissions, the emission factors and control efficiencies listed in D.2.b) shall be used.
d) Rolling twelve month total of b) and c) above

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

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Richard D. Garrity, Ph.D.
Executive Director