ENVIRONMENTAL PROTECTION COMMISSION OF
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT ISSUANCE

CERTIFIED MAIL

Ron Kobosky
Terminal Manager
Mosaic Fertilizer, LLC, Big Bend Terminal
12839 Wyandotte Road
Gibsonton, FL 33534
_____/

File No.: 0570094-010-AO
County: Hillsborough

Enclosed is Air Operating (AO) Permit No. 0570094-010-AO for the operation of a phosphate material handling facility located at 12839 Wyandotte Road in Gibsonton, issued pursuant to Section 403.087, Florida Statutes. Please read this new permit thoroughly as there are changes from the previous permit.

The EPC will issue the final permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Section 120.569 and 120.57 F.S. before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Legal Department of the EPC at 3629 Queen Palm Drive, Tampa, Florida 33619, Phone 813-627-2600, Fax 813-627-2602. Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 (fourteen) days of receipt of this permit. Under Section 120.60(3), however, any person who asked the EPC for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication.

A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. 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 will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the F.A.C.

A petition that disputes the material facts on which the EPC'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, and telephone number of the petitioner and the name, address, and telephone number of each petitioner's representative, if any, which shall be the address for service purposes during the course of the proceedings; and an explanation of how the petitioner's substantial interests will be affected by the EPC's determination;

(c) A statement of how and when the petitioner received notice of the EPC action;

(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 EPC's proposed action;

(f) A statement of specific rules or statutes the petitioner contends requires reversal or modification of the EPC's proposed action; and

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the EPC to take with respect to the EPC's proposed action.

A petition that does not dispute the material facts upon which the EPC'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.

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

Mediation under section 120.573, F.S. is not available in this proceeding.

This action is final and effective on the date filed with the Clerk of the EPC unless a petition is filed in accordance with above. Upon the timely filing of a petition, this order will not be effective until further order of the EPC.

Any person listed below may request to obtain additional information, a copy of the application (except for information entitled to confidential treatment pursuant to Section 403.111, F.S.), all relevant supporting materials, and all other materials available to the EPC that are relevant to the permit decision. Interested persons may contact Diana M. Lee, P.E., at the above address or call (813) 627-2600, for additional information.

Any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statues, by filing a notice of appeal under rule 9.110 of the Florida rules of Appellate Procedure with the EPC's Legal Office at 3629 Queen Palm Drive, Tampa, Florida 33619 and with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tampa, Florida

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

_____

Richard D. Garrity, Ph.D.
Executive Director

RDG/KRZ/krz

CERTIFICATE OF SERVICE

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

Clerk Stamp

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to Section 120.52(11), Florida Statutes, with the designated EPC clerk, receipt of which is hereby acknowledged.

_____ _____
Clerk Date

PERMITTEE:
Ron Kobosky
Terminal Manager
Mosaic Fertilizer, LLC
Big Bend Terminal
12839 Wyandotte Road
Gibsonton, FL 33534

PERMIT/CERTIFICATION
Permit No: 0570094-010-AO
County: Hillsborough
Expiration Date: July 8, 2016
Project: Phosphate Material Handling Facility

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 of hereof and specifically described as follows:

This permit is for the operation of phosphate material handling facility. GTSP, MAP, DAP and AFI are unloaded at a partially covered Truck and Railcar Unloading Station (EU No. 103) The facility has the capability of adding dust suppressant coating at the underground receiving hoppers as material is conveyed up Belt #8. The incoming phosphate materials are coated with oil as needed to maintain sufficient dust suppression. The material is transferred by covered conveyors from Belt #8 to Belt #9, and then from Belt #9 to Belt #10 (Incoming Transfer Point #1). Particulate matter emissions from these two transfer points are controlled by partial enclosures, dust suppressants, and a 4500 ACFM Mikro-Pulseaire Model No. 81S-8-20 Baghouse (Baghouse #1) located on top of Transfer Point #1. From Belt #10 the material is transferred to Belt #11 in a partially enclosed covering near the top of the warehouse, Warehouse Transfer Point (EU 104). The material is then dropped from Belt #11 into the enclosed warehouse (EU No. 100) for storage. All doors, vents, or fans leading into or out of the warehouse during periods of material transfer must remain closed except for the openings associated with the conveyor(s) in use.

When ready for loadout to ships, front-end loaders place the product on conveyor belts through one of four openings on the north and south sides of the warehouse. The north belt (Belt #12) transfers to the east belt (Belt #13), which then transfers to the south belt (Belt #14). AFI will be coated with a molasses-base coating from a spray bar set up on Belt #14. The products are then transferred from Belt #14 to Belt #4 (Outgoing Transfer Point #2). Particulate matter emissions from Outgoing Transfer Point #2 (EU No. 002) are controlled by partial enclosure, dust suppressants and a 2750 ACFM Mikro-Pulseaire Model No. 49S-8-20 Baghouse (Baghouse #2). Material is then transferred from Belt #4 to Belt #5 (i.e. Outgoing Transfer Point #3), and the point is partially enclosed and connected to a 2750 ACFM Mikro-Pulseaire Model No. 49S-8-20 Baghouse (Baghouse #3). The material is then transferred from Belt

#5 to Belt #6 (i.e. Shipping Terminal Gantry Transfer Point #4). Belt #6 is the ship gantry, which is mobile to allow for movement down the dockside if needed. Particulate matter emissions from Transfer Point #4 (EU No. 004) are controlled by partial enclosure, dust suppressants and a 20,000 ACFM Mikro-Pulseaire Model No. 384K-8-20 Baghouse (Baghouse #4). The material is then conveyed over the ship and dropped through a telescopic chute and into the ship. Particulate matter emissions from the Barge Hold (EU No. 106) are controlled by dust suppressants, the telescopic choke chute, tarps (as necessary), and a pick-up point that leads to Baghouse #4.

Wet phosphate rock is also received and loaded to ships at the facility. The wet phosphate rock is received by separate railcar and truck unloading stations at the east end of the site. The rock is unloaded into underground hoppers and transferred, via open conveyors, toward the outgoing conveyor. A stacker/reclaimer can stockpile the rock in an open section of the yard for storage, and then retrieve it as needed for conveyance toward the barge. The wet rock is conveyed to Transfer Point #2, where it is placed on the outgoing belt (Belt #4). From Belt #4 the rock is transferred and loaded to the ships in a similar manner to the other products handled at the facility. Particulate matter emissions are controlled by the moisture content of the wet rock. Wet phosphate rock is defined as material produced in phosphate beneficiation plants by washing and flotation, both of which are wet processes. Material produced in a fuel fired kiln or dryer, in which water is then applied, is not wet phosphate rock.

The facility is subject to PM-RACT and a 5% opacity standard from Rule 62-296.711(2)(a), F.A.C. and Chapter 1-3.52, Rules of the EPC. Baghouses are not required to be operating as long as the material is treated with a dust suppressant, as needed, in order to meet the 5% opacity limit. Annual visible emission testing is required to provide reasonable assurance of compliance without the baghouses in operation. The baghouses must still be maintained in good working order in the event that they are needed to comply with the opacity standard.

Location: 12839 Wyandotte Road, Gibsonton, FL 33534

UTM: 17-361.0 E, 3076.2 N NEDS NO: 0570094

Emission Unit ID:	001	Incoming Transfer Point #1
	002	Outgoing Transfer Point #2
	003	Outgoing Transfer Point #3
	004	Shipping Terminal Gantry (Transfer Point #4)
	100	Warehouse Storage Building
	106	Barge Hold Loading
	103	Railcar and Truck Unloading Stations for GTSP, MAP, DAP and AFI Emission Point #1 – Material Drop Into Hoppers Emission Point #2 – Belt #8 to Belt #9 Transfer Point
	104	Warehouse Transfer Point

References Permit No.: 0570094-008-AC

Replaces Permit No.: 0570094-007-AO

SPECIFIC CONDITIONS:

1. A part of this permit is the attached General Conditions. [Rule 62-4.160, F.A.C.]

2. All applicable rules of the Environmental Protection Commission of Hillsborough County including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction. [Rule 62-4.070(7), F.A.C.]

3. Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapters 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C., or any other requirements under federal, state, or local law. [Rule 62-210.300, F.A.C.]

4. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor. [Rule 62-296.320, F.A.C.]

5. Visible emissions shall not exceed the following opacity limits:
[Rule 62-296.711(2)(a), F.A.C. and 1-3.52 Rules of the Environmental Protection Commission of Hillsborough County]

Source	Opacity Standard
A) Railcar and Truck Unloading Station (hoppers), including Belt #8 to Belt #9 Transfer Point	5%
B) Incoming Transfer Point #1 enclosure and Baghouse #1 exhaust	5%
C) Warehouse Transfer Point	5%
D) Warehouse Storage Building	5%
E) Outgoing Transfer Point #2 enclosure and Baghouse #2 exhaust	5%
F) Outgoing Transfer Point #3 enclosure and Baghouse #3 exhaust	5%
G) Shipping Terminal Gantry (Transfer Point #4) and Baghouse #4 exhaust	5%
H) Barge Hold Loading Operations *	5/10%

* 10% opacity is allowed from the shiphold during loading only when the conveyor discharging the material to the ship hold is moving.

6. In order to limit the potential to emit and establish the facility as a synthetic minor for the criteria pollutant particulate matter, the facility shall comply with the production limitations of Specific Condition Nos. 7 and 9. [Rules 62-4.070(3), 62-210.200(244) “Potential to Emit”, F.A.C.; and Air Construction (AC) Permit No. 0570094-008-AC]

SPECIFIC CONDITIONS:

7. For each of the emission source listed in Specific Condition No. 5 that is equipped with a baghouse, the permittee shall not exceed the maximum allowable particulate matter emissions from each baghouse specified below:
[Rules 62-4.070(3) and 62-296.711, F.A.C. and AC Permit No. 0570094-008-AC]

Source	(gr/dscf)	(ACFM)
Incoming Baghouse #1 Exhaust	0.03	4,500
Outgoing Baghouse #2 Exhaust	0.03	2,750
Outgoing Baghouse #3 Exhaust	0.03	2,750
Shipping Terminal Gantry Baghouse #4 Exhaust	0.03	20,000

8. In order to be exempt from 40 CFR 60, Subpart X, the facility shall not handle or store granular triple super phosphate (GTSP) which is equal to, or less than, 72 hours old.
[40 CFR 60, Subpart X, 60.241, (a) and (d)]

9. In order to ensure compliance with Specific Condition Nos. 5, 6, 7 and 8 the following restrictions shall apply: [Rule 62-4.070(3), F.A.C. and AC Permit No. 0570094-008-AC]

A) The hours of operation for the emission units are not limited.
B) Only wet phosphate rock, GTSP, MAP, DAP and AFI may be transferred. Wet phosphate rock is defined as follows: "Material produced in a phosphate beneficiation plant by washing and flotation, both of which are wet processes. Material produced in a fuel fired kiln or dryer, in which water is then applied, is not wet phosphate rock."
C) No more than 2,233,800 tons of GTSP, MAP, DAP and AFI combined shall be transferred through the facility in any twelve consecutive month period. Records of the same shall be kept on-site and be made available upon request.
D) Maximum transfer rate of Transfer Point #1 is 300 TPH while handling GTSP, MAP, DAP and AFI.
E) Maximum transfer rate for Transfer Points #2, #3, and the shipping terminal gantry (Transfer Point #4) is 1300 TPH while handling GTSP, MAP, DAP and AFI.
F) The average transfer rate of wet phosphate rock is 3000 TPH.
G) The baghouses shall be maintained in good working order.
H) The storage of fresh GTSP is not authorized. Fresh GTSP is defined as being equal to, or less than 72 hours old.
I) The permittee is authorized to perform truck and railcar unloading operations simultaneously.
J) All doors, vents, fans, etc. leading into or out of the warehouse during periods of material transfer must remain closed, except for the openings associated with the conveyor(s) in use at that time.
K) All ship loading shall utilize the telescopic chute.
L) Oil application or dust suppressant application to the products is done at the processing plant prior to delivery of the product to the transfer facility, or the product must be sufficiently treated with non-hazardous oil or dust suppressant on site as needed to meet the opacity limit.

SPECIFIC CONDITIONS:

M) A chemical coating shall be applied to all AFI on the outgoing conveyor from the warehouse (Belt #14).
N) A chemical coating should be applied as necessary to AFI at the receiving hopper (Belt #8) to ensure sufficient dust suppression to meet opacity standards while material is transferred to the warehouse.
O) A daily visible emission observation shall be performed and recorded on any dates that material is received or loaded to ships to provide reasonable assurance of continued compliance with the opacity standard. The observations should be an instantaneous reading during active material transport using EPA Method 22 procedures. At least one reading should be made on the incoming conveyor systems and one reading on the outgoing conveyor systems at the point of highest observed opacity from the various transfer/loadout points.

10. The permittee is allowed to handle products with Baghouses #1-4 turned off provided that: [Rules 62-4.070(3) and 62-296.711(2)(a), F.A.C. and AC Permit No. 0570094-008-AC]

A) At no time shall the visible emissions limit of 5% opacity be exceeded.
B) Before handling any material with the control equipment turned off, an initial VE test demonstrating compliance must be performed for AFI on all points controlled by baghouses while the baghouses are <u>not</u> in operation.
C) The product must be sufficiently treated with non-hazardous oil or dust suppressant as needed to meet the opacity limit.
D) The visible emission tests conducted in B) of this condition shall indicate the approximate usage of dust suppressant (gals/ton) and approximate date the product was oiled, or treated.

11. All reasonable precautions shall be taken to prevent emissions of unconfined particulate matter. Reasonable precautions shall include, but are not limited to, the following:
[Rule 62-296.320(4)(c)3, F.A.C.]

A) Paving or maintenance of roads, parking areas, and yards.
B) Application of water when necessary to control emissions.
C) Removal of particulate matter from roads and other paved areas under the control of the owner or operator.
D) Maintenance of the material transport system, if necessary, including coverings or enclosures.
E) Curtailing operations if winds are entraining unconfined particulate matter.

12. The permittee shall use tarps or canvas, as necessary, to cover the shipholds when loading material into the ship holds in order to meet the required opacity limitations. [Rule 62-4.070(3), F.A.C.]

13. The maximum allowable emission rate for particulate matter for the baghouses is set by Specific Condition No. 7. Because of the expense and complexity of conducting a stack test on minor sources of particulate matter, 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 an opacity of 5%.

SPECIFIC CONDITIONS:

[Rules 62-297.620(4) and 62-296.711(3)(c), F.A.C.]

14. Test all the emission sources identified in Specific Condition No. 5 for visible emissions, at the point of highest opacity, during each federal fiscal year (October 1 – September 30). Both the pickup points and baghouse exhausts must be observed separately, if the baghouses are being utilized to demonstrate compliance. Submit two copies of the test data to the Air Compliance Section of the Air Management Division of the Environmental Protection Commission of Hillsborough County (EPCHC) within 45 days of testing. [Rules 62-4.070(3), 62-297.310, F.A.C. and AC Permit No. 0570094-008-AC]

15. Test all the emission sources identified in Specific Condition No. 5 for visible emissions, at the point of highest opacity, the first time that AFI is handled, and each federal fiscal year (October 1 – September 30), thereafter. Both the pickup points and baghouse exhausts must be observed separately, if the baghouses are being utilized to demonstrate compliance. Submit two copies of the test data to the Air Compliance Section of the Air Management Division of the Environmental Protection Commission of Hillsborough County (EPCHC) within 45 days of testing. [Rules 62-4.070(3), 62-297.310, F.A.C. and AC Permit No. 0570094-008-AC]

16. The following testing conditions shall be adhered to:
[Rule 62-4.070(3), F.A.C. and AC Permit No. 0570094-008-AC]

A) If Baghouse #4 is utilized during testing, testing of emissions from the Shipping Terminal Gantry Baghouse exhaust and Transfer Point #4 shall be conducted concurrently with ship loading operation.
B) If the baghouses are utilized during testing, testing of emissions from the baghouse exhaust and corresponding pickup points shall be conducted concurrently.
C) If testing is conducted without the baghouses in operation, then the test report must indicate the product, date, time and location of coating application, and the approximate usage of dust suppressant (lb/ton).
D) The permittee shall record the pressure differential across the operating baghouses during any required compliance test, when the baghouses are in operation.

17. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity of Specific Condition No. 9. 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 62-4.070(3) and 62-297.310(2)(b), F.A.C.]

18. Compliance with the emission limitations of Specific Condition Nos. 5, 6 and 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 Method 9 observation period on each source shall be at least 30 minutes. The

SPECIFIC CONDITIONS:

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, F.A.C.]

19. The facility shall provide at least 15 days notification to the Environmental Protection Commission of Hillsborough County of the anticipated date of initial receipt of AFI.
[Rule 62-4.070(3), F.A.C. and AC Permit No. 0570094-008-AC]

20. The permittee shall notify the Compliance Section of the Air Management Division of the Environmental Protection Commission of Hillsborough County at least 15 days prior to the date on which each formal visible emissions test is to begin of the time, date, 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.]

21. The permittee shall minimize emissions at all times, including periods of startup, shutdown, and malfunctions in a manner consistent with good air pollution control practice, and shall operate and keep records, when the baghouses are in operation, in accordance with the following Operation and Maintenance Plan for Particulate Control: [Rule Rules 62-4.070(3), 62-210.700 and 62-296.700, F.A.C.]

A) Process Parameters:

a) Emission Unit 001

1. Source Designators: Incoming Transfer Point #1
2. Baghouse Manufacturer: Mikro-Pulseaire
3. Model Name and Number: 81S-8-20
4. Design Flow Rate: 4500 acfm
5. Efficiency Rating at Design Capacity: 99%
6. Pressure Drop: Maximum of 6 inches
7. Air to Cloth Ratio: 5.91:1
8. Bag Weave: Felt
9. Bag Material: Polyester
10. Bag Cleaning Conditions: As needed, based on pressure drop and pulse air
11. Gas Flow Rate: 4500 acfm
12. Gas Temperatures: (estimate) inlet; 115 F.; outlet; 95 F.
13. Stack Height Above Ground: 36 ft.
14. Exit Diameter: 1.49 ft
15. Exit Velocity: 43 f.p.s.
16. Water Vapor Content: estimated at 3.0%
17. Process Controlled by Collection System: Incoming Transfer Point DC-1
18. Material Handling Rate: 300 tph for GTSP, MAP, and DAP
19. Operation Schedule: 24 hrs./day; 7 days/wk.; 52 wk./yr.

SPECIFIC CONDITIONS:

b) Emission Unit 002

1. Source Designators: Outgoing Transfer Point #2
2. Baghouse Manufacturer: Mikro-Pulseaire
3. Model Name and Number: 49S-8-20
4. Design Flow Rate: 2750 acfm
5. Efficiency Rating at Design Capacity: 99%
6. Pressure Drop: Maximum of 6 inches
7. Air to Cloth Ratio: 5.97:1
8. Bag Weave: Felt
9. Bag Material: Polyester
10. Bag Cleaning Conditions: As needed, based on pressure drop and pulse air
11. Gas Flow Rate: 2750 acfm
12. Gas Temperatures: inlet; 115 F.; outlet; 95 F.
13. Stack Height Above Ground: 25 ft.
14. Exit Diameter: 1.3 ft
15. Exit Velocity: 34 f.p.s.
16. Water Vapor Content: Estimated at 3.0%
17. Process Controlled by Collection System: Outgoing Transfer Point DC-2
18. Material Handling Rate: 1300 tph for GTSP, MAP, and DAP
19. Operation Schedule: 24 hrs./day; 7 days/wk.; 52 wk./yr.

c) Emission Unit 003

1. Source Designators: Outgoing Transfer Point #3
2. Baghouse Manufacturer: Mikro-Pulseaire
3. Model Name and Number: 49S-8-20
4. Design Flow Rate: 2750 acfm
5. Efficiency Rating at Design Capacity: 99%
6. Pressure Drop: Maximum of 6 inches
7. Air to Cloth Ratio: 5.97:1
8. Bag Weave: Felt
9. Bag Material: Polyester
10. Bag Cleaning Conditions: As needed, based on pressure drop and pulse air
11. Gas Flow Rate: 2750 acfm
12. Gas Temperatures: inlet; 115 F.; outlet; 95 F.
13. Stack Height Above Ground: 25 ft.
14. Exit Diameter: 1.3 ft
15. Exit Velocity: 34 f.p.s.
16. Water Vapor Content: Estimated at 3.0%
17. Process Controlled by Collection System: Outgoing Transfer Point DC-3
18. Material Handling Rate: 1300 tph for GTSP, MAP, and DAP

SPECIFIC CONDITIONS:

19. Operation Schedule: 24 hrs./day; 7 days/wk.; 52 wk./yr.

d) Emission Unit 004

1. Source Designators: Outgoing Transfer Point #4
2. Baghouse Manufacturer: Mikro-Pulseaire
3. Model Name and Number: 384K-8-20
4. Design Flow Rate: 20,000 acfm
5. Efficiency Rating at Design Capacity: 99%
6. Pressure Drop: Maximum of 6 inches
7. Air to Cloth Ratio: 5.53:1
8. Bag Weave: Felt
9. Bag Material: Polyester
10. Bag Cleaning Conditions: As needed, based on pressure drop and pulse air
11. Gas Flow Rate: 20,000 acfm
12. Gas Temperatures: inlet; 115 F.; outlet; 95 F.
13. Stack Height Above Ground: 30 ft.
14. Exit Diameter: 2.17 ft
15. Exit Velocity: 34 f.p.s.
16. Water Vapor Content: Estimated at 3.0%
17. Process Controlled by Collection System: Outgoing Transfer Point DC-4
18. Material Handling Rate: 1300 tph for GTSP, MAP, and DAP
19. Operation Schedule: 24 hrs./day; 7 days/wk.; 52 wk./yr.

B) The following observations, checks and operations apply to this source and shall be conducted on the schedule specified:

Daily

1. Check and record pressure drop.
2. Observe stack (visual).
3. Walk through system listening for proper operation (audible leaks, proper fan and motor functions, bag cleaning systems, etc.).
4. Note any unusual occurrence in the process being ventilated.
5. Observe all indicators on control panel.
6. Check reverse air pressure.
7. Assure that dust is being removed from system.

Weekly

1. Inspect screw conveyor and air lock bearings for lubrication.
2. Check packing glands.

SPECIFIC CONDITIONS:

3. Operate all damper valves (isolation, by-pass, etc.).
4. Check bag cleaning sequence to see that all valves are opening and closing properly.
5. Spot check bag tension inside bag collectors.
6. Check pressure drop indicating equipment for plugged lines.
7. Check inlet filter on reverse air blower.
8. Check compressed air lines, including line oilers and filters.

Monthly

1. Check cleaning mechanism moving parts.
2. Inspect fans for corrosion and material build-up.
3. Check all drive belts and chains for wear and tension.
4. Check all hoses and clamps.
5. Check accuracy of all indicating equipment.
6. Inspect housing for corrosion.

Quarterly

1. Inspect baffle plate for wear.
2. Thoroughly inspect bags.
3. Check duct for dust build-up.
4. Observe damper valves for proper seating.
5. Check gaskets on all doors.
6. Inspect paint.
7. Check screw conveyor flighting.

Annually

1. Check all bolts.
2. Check welds.
3. Inspect hopper for wear.
4. Check airlock rotor for wear.

C) Records:

Records of inspections, maintenance, and performance parameters shall be retained for a minimum of two years and shall be made available to the Environmental Protection Commission of Hillsborough County upon request as required by Specific Condition No. 22. [Rule 62-296.700(6)(e), F.A.C.]

22. In order to demonstrate compliance with Specific Condition No. 9, the permittee shall maintain daily records of operations for the most recent three year period. The records shall be made available to the

SPECIFIC CONDITIONS:

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 62-4.160(14), F.A.C.]

A) Month, day, and year
B) Transfer rates at Transfer Point #1, #2, #3, and #4 in tons per hour during fertilizer loading on a daily average basis.
C) Amount of GTSP*, MAP, DAP and AFI received individually and combined in tons per day.
D) Amount of GTSP*, MAP, DAP and AFI loaded individually and combined in tons per day.
E) Total of items C) and D) above for the most recent 12 consecutive month period in tons.
F) Records of daily visible emission observations required by Specific Condition No. 9.

* When GTSP is handled the permittee shall document the age of the GTSP to provide assurance the GTSP is more than 72 hours old.

23. The permittee must submit to the Environmental Protection Commission of Hillsborough County each calendar year, a completed DEP Form 62-210.900(5), "Annual Operating Report (AOR) for Air Pollutant Emitting Facility", for the preceding calendar year. The AOR shall be submitted by April 1 of the following year. [Rule 62-210.370(3), F.A.C.]

24. 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.]

25. 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(Modification), F.A.C. The changes do not include normal maintenance and may also require prior authorization before implementation. The changes may include, and are not limited to, the following: [Rules 62-4.070(3) and 62-210.300, F.A.C.]

A) Alteration or replacement of any equipment or major component of such equipment listed on page 1 of this permit.
B) Installation or addition of any equipment that is a source of air pollution.
C) The use or handling of materials or fuels other than those authorized by this permit.

26. 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.

SPECIFIC CONDITIONS:

[Rule 62-4.120, F.A.C.]

27. A minimum of two copies of an application for an operation permit shall be submitted to the Environmental Protection Commission of Hillsborough County within 60 days of completion of compliance testing while handling AFI or at least 90 days prior to the expiration date of this permit, whichever occurs first. At least one copy of the VE tests required by Specific Condition No. 14 shall be included with the application. [Rules 62-4, 62-210, 62-296.700, F.A.C.]

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

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Richard D. Garrity, Ph.D.
Executive Director