

ENVIRONMENTAL PROTECTION COMMISSION OF
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT ISSUANCE

CERTIFIED MAIL

Jan Barnes
Director, HSE&Q
TRANSFLO Terminal Services
500 Water Street, J975
Jacksonville, FL 32202

File No.: 0570466-010-AO
County: Hillsborough

Enclosed is Air Operating (AO) Permit No. 0570466-010-AO for the operation of a bulk product transfer facility located at 504 North 34th Street, Tampa, FL 33605, 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 Dr, 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.

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, including an explanation of how the alleged facts relate to the specific rules or statutes; and

(g) A statement of the relief sought by the petitioner, stating precisely the action 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 Statutes, 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 Dr, 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.

Sincerely,

Richard D. Garrity, Ph.D.
Executive Director

RDG/KRZ/krz

cc: Mitchell J. Hait, Ph.D., P.E. (haitinc@gmail.com)

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.

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

Clerk

Date

PERMITTEE:
TRANSFLO Terminal Services, Inc.
Tampa TRANSFLO Terminal
500 Water Street, J975
Jacksonville, FL 32202

PERMIT/CERTIFICATION
Permit No: 0570466-009-AO
County: Hillsborough
Expiration Date: December 20, 2018
Project: Bulk Product Transloading

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 the operation of a bulk product transfer facility. This permit authorizes the handling and transferring of bulk organic liquid and solids between railcars and trucks/containers. No permanent storage tanks or silos are authorized by this permit.

The facility handles and transfers bulk organic liquid and solids between railcars and tanker trucks/containers. During the organic liquid transfers, the bulk organic liquids are directly transferred from railcars to tank trucks/containers with no intermediate storage tank. The VOC and HAP emissions generated during the tanker truck filling, handling, and transferring of the bulk organic liquids are controlled through vapor balancing by returning VOCs from the tank trucks/containers being loaded back to the railcar when transloading products with a vapor pressure greater than 0.5 psia. The VOC emissions are also minimized by limiting the throughput of the products and reasonable precautions specified in the handling of the products.

During the solids transfer operation, the bulk solid materials are directly transferred between railcars to trucks/containers by utilizing one in-ground fixed belt conveyor with a UMA 150 baghouse rated at 2,000 ACFM, and with up to 6 portable belt and pneumatic conveyors. The baghouses that control the bulk solids materials conveyors are UMA 100 baghouses rated at 600 ACFM and C16 & C20 baghouses rated at 1,200 ACFM. The baghouses that control the pneumatic conveying of bulk solid materials are DC 1400 baghouses rated at 2,000 ACFM, DC 2000x baghouses rated at 2,000 ACFM and a MasterVAC MV7012 baghouse rated at 1,400 ACFM. Pneumatic portable conveyors are used for the handling of cement and/ or other similar type materials and mechanical belt conveyors are used for the handling of less dusty materials. Although the bulk solid material is primarily loaded from railcar to truck/container, it can also be loaded from truck/container to railcar. In addition, customer owned equipment may be used provided it meets the specification of the conveyors listed above and will not increase the allowable emissions.

The PM emissions generated during the pneumatic and mechanical belt conveyor transfer of bulk solids are controlled by limiting the product throughput, the use of enclosures and filtering the dust laden exhaust through a baghouse. The in-ground conveyor utilizes a foam seal around the rail car drop point, which is utilized to minimize wind stripping. The portable conveyors are fully enclosed except for a typically less than 6 inch gap at the drop point from the railcar to the conveyor.

In addition to the transloading operation, the facility also has a 550 gallon horizontal fixed roof diesel tank used for fueling the equipment on site. This source is categorically exempt from permitting under Rule 62-210.300(3)(a)19, F.A.C.

Location: 504 North 34th Street, Tampa, FL 33605

UTM: 17-360.09 E 3093.22 N

NEDS NO: 0570466

Emission Unit Nos.: 007 Organic Liquids Transfer

008 Bulk Solids Transfer

Emission Points: Railcar Unloading to Conveyor
Transfer via Conveyor(s) into Enclosed
Truck(s)/Container(s)
Transfer via Conveyor(s) into Open Truck(s)

PERMITTEE:
TRANSFLO Terminal Services, Inc.

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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.]

Bulk Organic Liquid Handling

4. As requested by the permittee, in order to establish the facility as a Synthetic Non-Title V Source for both criteria and Hazardous Air Pollutants (HAP), the following emission limitations shall apply: [Rules 62-296.320, 62-210.200(PTE), 62-4.070(3), F.A.C. and Permit No. 0570466-008-AC]
 - A) The maximum VOC emissions from the entire facility shall not exceed 24.2 tons for any 12 consecutive month period .
 - B) The HAP, as defined in Rule 62-210.200, F.A.C., emissions shall be less than 10 tons in any 12 consecutive month period for any individual HAP, and less than 25 tons in any 12 consecutive month period for any combination of HAPs.
5. The following restrictions and limitations shall apply for any consecutive twelve (12) month period in order to ensure compliance with Specific Condition No. 4: [Rule 62-4.070(3), F.A.C. and Permit No. 0570466-008-AC]
 - A) The permittee is allowed to handle the volatile organic liquids listed in Attachment 1.
 - B) The permittee is allowed to handle the volatile organic liquids that have true vapor pressures that range between 0.5 and 11.85 psia provided that vapor balance is employed, with the exception of the products listed in 5. E), below.
 - C) Products with vapor pressures of no greater than 0.5 psia can be handled without vapor balance provided that they do not contain HAPs.
 - D) The products requiring vapor balance as described in 5. B) above, are limited to 127,000,000 gal in any consecutive twelve (12) month period.
 - E) Liquids not employing vapor balance are listed below. The maximum true vapor pressure for these products is limited to 0.5 psia and the maximum throughput is limited to 12,700,000 gal in any consecutive twelve (12) month period.

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SPECIFIC CONDITIONS:

Biodiesel*
Diesel Fuel
Vegetable oils
Ethylene Glycol
Glycols (For example: Propylene Glycol, Butylene Glycol,
Diethylene Glycol, Dipropylene Glycol, Polyethylene Glycol,
Polypropylene Glycol)
Fuel Additive
Mineral Oil
Oily Waste Water
Petroleum Distillates (including Naphtha)
Petroleum Oil (Lubricating Oil & Used Oil)

* **Biodiesel** - a fuel comprised of mono-alkyl esters of long chain fatty acids derived from vegetable oils or animal fats, designated B100, and meeting the requirements of ASTM D 6751 (or equivalent/updated standard).

F) The Denatured Ethanol handled at this facility shall not contain more than 5% gasoline by volume.

6. Compliance with Specific Condition No. 4 shall be demonstrated through the use of a monthly recordkeeping system. These records shall be retained for at least a three year period. The records shall be made available for inspection to the U.S. EPA, the Florida Department of Environmental Protection or the Environmental Protection Commission of Hillsborough County upon request. The recordkeeping system shall include, but not be limited to, the following information:

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

- A) Date, Month, Year
- B) Operation, product, CAS # or the STCC Code (if a CAS # is not commonly available for the product), and throughput (in gallons). Record each product separately.
- C) Using AP-42, (June 2008 or subsequent edition) Section 5, Equation 1, Page 5.2-4 (or as contained in the subsequent edition), calculate the monthly emissions from product transfers.
- D) A 12-month rolling total for items B) and C) above.

7. The permittee is authorized to transfer the volatile organic liquid products listed in Attachment 1 of this permit. The permittee is allowed to handle new liquid products (except as specified below) not listed in Attachment 1 provided the Permittee maintains compliance with the emission limits of Specific Condition No. 4 and the total liquid throughput limit of Specific Condition No. 5. The permittee shall notify the Environmental Protection Commission of Hillsborough County in advance in writing of handling any new products. The permittee shall submit the Material Safety Data Sheet to the Environmental Protection Commission of Hillsborough County and take necessary reasonable precautions to minimize the VOC emissions prior to handling a new product. [Rule 62-4.070(3), F.A.C.]

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SPECIFIC CONDITIONS:

8. Volatile organic liquid products with a vapor pressure of 0.5 psia or greater shall be transferred using vapor balance controls, as required in Specific Condition Nos. 9, 10, and 11. Volatile organic liquid products listed in Specific Condition No. 5. A), with a vapor pressure of no greater than 0.5 psia, are not subject to the requirements of Condition Nos. 10 and 11.

[Rules 62-296.320, 62-4.070(3), F.A.C. and Permit No. 0570466-008-AC]

9. The permittee shall limit the loading of volatile organic liquid products into vapor-tight tank trucks/containers that have passed a vapor tightness test as determined by EPA Method 27. A check sheet with the following information shall be kept to document the tank trucks/containers loaded. The sheet shall include the following information:

[Rules 62-296.320 and 62-4.070(3), F.A.C., and Permit No. 0570466-008-AC]

- A) Date when truck/container was loaded
- B) Trailer number and certification date of trailer
- C) Signature or initials of person checking the trailer certification

10. The permittee shall act to assure that the loadings into tank trucks/containers are made only into tanks/containers equipped with vapor collection equipment that is compatible with this facility's vapor collection system. [Rule 62-4.070(3), F.A.C., and Permit No. 0570466-008-AC]

11. The permittee shall act to assure that the facility and tank truck/container vapor collection systems are connected during each loading of a tank truck/container by training plant personnel in hook-up procedures and allowing only plant personnel to load trucks/containers.

[Rules 62-296.320 and 62-4.070(3), F.A.C., and Permit No. 0570466-008-AC]

12. The permittee shall not store, handle, process, or use in any process the volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems as follows and as deemed necessary and ordered by the Environmental Protection Commission of Hillsborough County: [Rule 62-296.320, F.A.C.]

- A) Maintain tightly fitting cover, lids, etc. on all containers when they are not being handled, tapped, etc.
- B) Where possible and practical, procure/fabricate a tightly fitting cover for any open trough, basin, etc. of VOC so that it can be covered when not in use.
- C) Immediately attend to all spills/waste as appropriate.

13. The permittee shall promptly (by telephone) report any abnormal event which occurs at the facility, and within thirty days of this verbal report, the permittee shall submit a written report. The written report shall include abnormal event and corrective actions taken. [Rule 62-4.070(3), F.A.C.]

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SPECIFIC CONDITIONS:

14. The permittee shall annually perform a visual inspection of the bulk organic liquid handling/transferring equipment, associated piping system and pump for rust, cracks or leaks and ensure that these device(s) are working properly. The permittee shall document the findings and the corrective action taken and shall retain the records for at least a two year period. [Rule 62-4.070(3), F.A.C.]

Bulk Solid Material Handling

15. As requested by the permittee, in order to establish the facility as a Synthetic Non-Title V Source for Particulate Matter, the following emission limitations shall apply:

[Rules 62-210.200(PTE) and 62-4.070(3), F.A.C., and Permit No. 0570466-008-AC]

- A) The particulate matter emissions from the baghouses, which control the mechanical conveyor and pneumatic transloading operations, shall not exceed 0.03 grains per dry standard cubic foot.
- B) The maximum facility-wide PM emissions shall not exceed 46.9 tons per year.

16. The permittee shall not cause, permit, or allow any visible emissions (5% opacity) from any bulk solid transfer operation authorized by this permit.

[Rules 62-4.070(3) and 62-296.711(2), Chapter 1-3.52(2), Rules of the EPC]

17. In order to ensure compliance with the PM emissions limitation in Specific Condition No. 15, and the opacity limitation of Specific Condition No. 16, the following restrictions and reasonable precautions shall apply: [Rule 62-4.070(3), F.A.C. and Permit No. 0570466-008-AC]

- A) Bulk solid transfer activities shall be limited to no more than seven (7) truck/container transfers at any given time.
- B) All pneumatic systems shall be totally enclosed and all dust laden air shall be directed to a baghouse.
- C) All mechanical conveyor systems, railcars and enclosed trucks/containers shall be maintained under sufficient negative air pressure so that all dust laden air is directed back to a baghouse.
- D) Loading into enclosed trucks/containers or railcars from a mechanical conveyor must be done with a drop chute which extends down into the railcar or truck/container. The drop chute shall form a tight seal around the railcar or truck/container opening in order to prevent emissions from being released.
- E) Loading of open bed trucks or railcars is authorized by this permit. For open receiving vessels, the drop chute shall extend below the sidewalls of the receiving vessel (to the extent practical), and visible emissions shall be restricted by the opacity limit of Special Condition 16. The loading of open bed trucks is limited to aggregate type materials.
- F) Baghouses controlling mechanical systems must have pick up points at the receiving and dropping transfer points.
- G) The hourly transfer rates shall not exceed 50 ton/hr.

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SPECIFIC CONDITIONS:

18. In order to ensure compliance with the emission limitation of Specific Condition No. 15, the following limitations shall apply for any consecutive twelve (12) month period:
[Rule 62-4.070(3), F.A.C., and Permit No. 0570466-008-AC].

- A) The maximum solid material throughput into trucks/containers or railcars shall not exceed 510,000 tons per year.
- B) The permittee is authorized to transfer bulk solid materials listed in Attachment 2 of this permit. The permittee is allowed to handle new bulk solid materials not listed in Attachment 2 provided the Permittee maintains compliance with the emission limits of Specific Condition No. 15 and the total bulk solid throughput limit of Specific Condition No. 18. A). The permittee shall notify the Environmental Protection Commission of Hillsborough County in advance in writing of handling any new products. The permittee shall submit the Material Safety Data Sheet to the Environmental Protection Commission of Hillsborough County and take necessary reasonable precautions to minimize the PM emissions prior to handling a new product.

19. The following Operation and Maintenance Plan for Particulate Control shall be followed with the schedule specified: [Rule 62-4.070(3), F.A.C, and 62-296.711 F.A.C]

- A) Process Parameters:

UMA 100

1	Source Designators	Bulk Loading
2	Baghouse Manufacturer:	RBT
3	Model Name and Number:	UMA 100
4	Design Flow Rate:	600 ACFM
5	Efficiency Rating at Design Capacity	99.4%
6	Pressure Drop:	0-4 in W.G.
7	Air to Cloth Ratio	6:1
8	Bag Material:	10 Ounce Polyester Sateen Bag
9	Bag Cleaning Conditions	Shake Cleaning
10	Gas Temperatures:	Ambient
11	Stack Height Above Ground:	10 ft
12	Exit Diameter:	7 " x 12" (Pre 2006) & 8" x 15" (2006 to Present)
13	Process Controlled by Collection System	Bulk Product Loading
14	Material Handling Rate	50 Tons Per Hour
15	Operation Schedule:	24 Hrs./Day; 7 Days/Wk.; 52 Wk./Yr.

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SPECIFIC CONDITIONS:

UMA 150/152

1	Source Designators	Bulk Loading
2	Baghouse Manufacturer:	RBT
3	Model Name and Number:	UMA 150/152
4	Design Flow Rate:	2,000 ACFM
5	Efficiency Rating at Design Capacity	99.4%
6	Pressure Drop:	0-4 in W.G.
7	Air to Cloth Ratio	13.3:1
8	Bag Material:	10 Ounce Polyester Sateen Bag
9	Bag Cleaning Conditions	Shake Cleaning
10	Gas Temperatures:	Ambient
11	Stack Height Above Ground:	10 ft
12	Exit Diameter:	10 " x 14" (Pre 2006) & 8" x 22" (2006 to Present)
13	Process Controlled by Collection System	Bulk Product Loading
14	Material Handling Rate	50 Tons Per Hour
15	Operation Schedule:	24 Hrs./Day; 7 Days/Wk.; 52 Wk./Yr.

C16H

1	Source Designators	Bulk Loading
2	Baghouse Manufacturer:	RBT
3	Model Name and Number:	C16H
4	Design Flow Rate:	1,200 ACFM
5	Efficiency Rating at Design Capacity	99.99%
6	Pressure Drop:	0-4 in W.G.
7	Air to Cloth Ratio	6.98:1
8	Bag Material:	Spunbonded Polyester Cartridge Media
9	Bag Cleaning Conditions	Reverse Pulse Cleaning (Air Purge, 60 PSI at 5.4 CFM)
10	Gas Temperatures:	Ambient
11	Stack Height Above Ground:	10 ft
12	Exit Diameter:	10.5" x 22"
13	Process Controlled by Collection System	Bulk Product Loading
14	Material Handling Rate	50 Tons Per Hour
15	Operation Schedule:	24 Hrs./Day; 7 Days/Wk.; 52 Wk./Yr.

PERMITTEE:
 TRANSFLO Terminal Services, Inc.

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SPECIFIC CONDITIONS:

C20H

1	Source Designators	Bulk Loading
2	Baghouse Manufacturer:	RBT
3	Model Name and Number:	C20H
4	Design Flow Rate:	1,200 ACFM
5	Efficiency Rating at Design Capacity	99.99%
6	Pressure Drop:	0-4 in W.G.
7	Air to Cloth Ratio	5.6:1
8	Bag Material:	Spunbonded Polyester Cartridge Media
9	Bag Cleaning Conditions	Reverse Pulse Cleaning (Air Purge, 60 PSI at 5.4 CFM)
10	Gas Temperatures:	Ambient
11	Stack Height Above Ground:	10 ft
12	Exit Diameter:	12" x 22"
13	Process Controlled by Collection System	Bulk Product Loading
14	Material Handling Rate	50 Tons Per Hour
15	Operation Schedule:	24 Hrs./Day; 7 Days/Wk.; 52 Wk./Yr.

DC1400

1	Source Designators	Bulk Loading
2	Baghouse Manufacturer:	RBT
3	Model Name and Number:	DC1400
4	Design Flow Rate:	1,400 ACFM
5	Efficiency Rating at Design Capacity	99.9%
6	Pressure Drop:	0-4 in W.G.
7	Air to Cloth Ratio	3.7:1
8	Bag Material:	EPTFE Membrane on 100% Spunbond Polyester.
9	Bag Cleaning Conditions	Reverse Purge Air Cleaning
10	Gas Temperatures:	Ambient
11	Stack Height Above Ground:	10 ft
12	Exit Diameter:	N/A - Air Circulates During Operation
13	Process Controlled by Collection System	Bulk Product Loading
14	Material Handling Rate	50 Tons Per Hour
15	Operation Schedule:	24 Hrs./Day; 7 Days/Wk.; 52 Wk./Yr.

PERMITTEE:
TRANSFLO Terminal Services, Inc.

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SPECIFIC CONDITIONS:

DC2000x

1	Source Designators	Bulk Loading
2	Baghouse Manufacturer:	RBT
3	Model Name and Number:	DC2000x (Donaldson Dalamatic Model DLMC 1/2/15)
4	Design Flow Rate:	2,000 ACFM
5	Efficiency Rating at Design Capacity	99.95%
6	Pressure Drop:	0-4 in W.G.
7	Air to Cloth Ratio	6.15:1
8	Bag Material:	10.5 Ounce Dura-Life Polyester Felt Bag
9	Bag Cleaning Conditions	Reverse Pulse Clean
10	Gas Temperatures:	Ambient
11	Stack Height Above Ground:	10 ft
12	Exit Diameter:	8 7/8" x 17"
13	Process Controlled by Collection System	Bulk Product Loading
14	Material Handling Rate	50 Tons Per Hour
15	Operation Schedule:	24 Hrs./Day; 7 Days/Wk.; 52 Wk./Yr.

Master VAC MV7012

1	Source Designators	Bulk Loading
2	Baghouse Manufacturer:	RBT
3	Model Name and Number:	Master VAC MV7012
4	Design Flow Rate:	1,400 ACFM
5	Efficiency Rating at Design Capacity	99%
6	Pressure Drop:	0-4 in W.G.
7	Air to Cloth Ratio	58.7:1
8	Bag Material:	P275 Filter Element(Secondary Filter) also includes primary filter not accounted for in stated efficiency
9	Bag Cleaning Conditions	Bag Cleaning is automatic once the unit cycles to the unload mode and releases the vacuum which quickly pops the bags at atmospheric pressure and discharges any material on the bags into the receiving vessel.
10	Gas Temperatures:	Ambient
11	Stack Height Above Ground:	10 ft
12	Exit Diameter:	Outlet of Blower 6" Diameter
13	Process Controlled by Collection System	Bulk Product Loading
14	Material Handling Rate	50 Tons Per Hour
15	Operation Schedule:	24 Hrs./Day; 7 Days/Wk.; 52 Wk./Yr.

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SPECIFIC CONDITIONS:

- B) The following observations, checks and operations apply to this source (bag houses listed above) and shall be conducted on the schedule specified:

Daily

1. Check and record pressure drop when operating.
2. Visually observe stack discharge, audible leaks, proper fan and motor functions, rotary valve conveyor drives and assure that dust is being removed from system.
3. Check and record air pressure to pulse air system.
4. Check pulse air bag cleaning system for proper operation.

Monthly

1. Inspect rotary valve, sprockets, chain, and motor.
 2. Inspect screw conveyor bearings, trough, flights, sprockets, chains and motor.
 3. Spot check bag tension and condition inside of collector.
 4. Check pickup stations for obstructions.
 5. Inspect blower fan bearings, balance, material build-up, belt drive and motor.
 6. Inspect screw conveyor bearings, trough, flights, sprockets, chains and motor.
 7. Check all air lines and solenoids to pulse air systems.
 8. Clean and check air line filters.
9. Lubricate fan shaft bearings.

Quarterly

1. Inspect rotary valve for wear and sealing.
2. Inspect screw conveyor trough and flights for wear and leaks.
3. Check all ducts for wear, leaks and build-up.
4. Thoroughly inspect bags for wear and leaks.
5. Check all gaskets on doors.
6. Check interior of baghouse for corrosion and build-up.

Annually

1. Check all assembly bolts.
2. Check all air line fittings and connections.
3. Check all welds on baghouse and ducts.
4. Inspect internal of discharge hopper for wear.

PERMITTEE:
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SPECIFIC CONDITIONS:

C) In order to provide operational flexibility conveyors and pneumatic transfer equipment equipped with baghouses other than those listed above may be used. If conveyor or pneumatic transfer equipment other than the equipment listed above is used, an O & M plan should be kept for the conveyors. Any new conveyor should be of similar design as those listed above.

D) 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. [Rule 62-296.700(6)(e), F.A.C.]

20. Test the emissions of the fixed conveyor, a portable belt conveyor, a pneumatic conveyor and the baghouse for opacity during each federal fiscal year (October 1 – September 30) with a target date of June 17, and submit two copies of test data to the Air Management Division of the Environmental Protection Commission of Hillsborough County. If all the sources required to be tested are not on site then any source not tested shall be tested within 30 days of being brought on site. [Rule 62-297.310, F.A.C.]

21. Test the transfer via conveyor into an open truck for opacity the first time that material is handled, and annually thereafter. 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.]

22. Should the Environmental Protection Commission of Hillsborough County have reason to believe the particulate emission standard is not being met, the EPC may require that compliance with the particulate emission standards be demonstrated by testing. [Rule 62-297.310, F.A.C.]

23. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity stated in Specific Condition No. 17. G). The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur, and observations shall be made at the point of highest opacity (railcar drop to conveyor, conveyor drop to truck, or baghouse exhaust). 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, F.A.C.]

24. 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]

PERMITTEE:
TRANSFLO Terminal Services, Inc.

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PROJECT: Bulk Product Transloading

SPECIFIC CONDITIONS:

25. Compliance with Specific Condition Nos. 15 and 18 shall be demonstrated through the use of a monthly recordkeeping system. These records shall be retained for at least a three year period. The records shall be made available for inspection to the U.S. EPA, the Florida Department of Environmental Protection or the Environmental Protection Commission of Hillsborough County upon request. The recordkeeping system shall include, but not be limited to, the following information:

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

- A) Date, Month, Year
- B) Type and amount of material handled.
- C) A rolling 12-month total for item B) above.

26. 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.]

27. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision in Rule 62-296.320, F.A.C. These provisions are applicable to any source, including, but not limited to, vehicular movement, transportation of materials, construction, alterations, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling.

28. 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, 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) Handling of any material not authorized by this permit containing HAP materials in concentrations of at least 0.1 percent.

29. 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.]

30. 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

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SPECIFIC CONDITIONS:

the following year. [Rule 62-210.370(3), F.A.C.]

31. Prior to sixty days before the expiration of this operating permit, the permittee shall apply for a renewal of the permit using the current version of the permit renewal application form. A renewal application shall be timely and sufficient. If the application is submitted prior to sixty days before the expiration of the permit, it will be considered timely and sufficient. If the renewal application is submitted at a later date, it will not be considered timely and sufficient unless it is submitted and made complete prior to the expiration of the operation permit. When the application for renewal is timely and sufficient, the existing permit shall remain in effect until the renewal application has been finally acted upon by the EPC or, if there is court review of the final agency action, until a later date is required by Section 120.60, Florida Statutes. [Rule 62-4.090, F.A.C.]

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

Richard D. Garrity, Ph.D.
Executive Director

Attachment 1
List of HAP and VOC containing Materials

Material Name

Acetic acid
Acetic anhydride
1-3 Pentadiene
1-butanol
iso-butyl acetate
n-butyl acetate
Butyl acrylate
Butylene glycol
Chelating Compounds (e.g., alcohols,
fatty and polytetramethylene glycol)
Clean Harbors Waste A22K (oily waste
water)
Clean Harbors Waste FB1K (oily waste
water)
Di(2-ethylhexyl) phthalate (PX-138)
Diethanolamine
Diethylene glycol
Diisobutyl ketone
Diisononyl phthalate
Diisopropyl ether
Dipropylene glycol
Ethyl acetate
Ethyl benzene
2-Ethyl hexyl acrylate
Ethylene glycol
Emulsion (AC-244)
Envirodiesel (methyl esters)
Ethanol
Formic acid
Fuel Additive
Gasoline
Heptane
Hexane
Hi Sol 10
Isobutanol
Isopropyl alcohol
Isopropyl acetate

Isopropyl ether
Methyl Ethyl Ketone (MEK)
Methyl Isobutyl Ketone (MIBK)
Methanol
Methylene diphenyl diisocyanate
Mineral Oil (including spray oil)
Mineral Spirits (petroleum distillates)
Naphthalene
Pentane
Petroleum Lubricating Oils
Petroleum Distillates (mineral spirits)
Phenol
n-propanol (1-propanol)
n-propyl acetate
Polyethylene glycol, Polyglycols, NEC
Polypropylene glycol
Propylene glycol
Styrene
Texanol Ester Alcohol (2,2,4-Trimethyl-
1,3-pentanediol Monoisobutyrate)
Toluene
Triethanolamine
Trichloroethylene
Vacuum Sludge
Vinyl acetate
Xylene

List 1— Exempt Liquid Materials

Acetone
Alkyl sulfates (e.g. Monsanto Roundup)
Aqueous inorganic solutions (eg., hydrochloric acid and sulfuric acid)
Aqueous polymer solutions
Aqueous urea
Dielectric fluid
Flame retardants
Oil field cement additive
Surfactants, including those used in shampoos and soaps

Attachment 2

Solid Transfer Operations Material / Transfer Type Listing

Material Name

Alumina
Ammonium Nitrate
Bentonite
Bicarbonate of Soda
Calcium Carbonate
Calcium Chloride
Cement
Clay
Coal Slag Abrasives
Corn Cob Grit
Corn Products
Corn Starch
Diammonium Phosphate
Distillers Mash
Feed Additives
Flour (Corn)
Flour (Wheat)
Fly Ash
Gypsum
Isophthalic Acid
Lime
Limestone
Limestone/Silica Blend
Magnesium Hydroxide
Petroleum Coke
Phosphate Fertilizer
Plastics and Plastic Products
Portland Cement
Potash (potassium chloride)
Roofing Granules
Salt (sodium chloride)
Sand
Sewage Sludge Pellets
Silicon Metal

Soda Ash
Sodium Sesquicarbonate
Sodium Silicate
Sodium Sulfate
Sodium Sulfite
Terephthalic Acid
Titanium Dioxide
Urea
Volcanic Ash
Wheat Products