

FINAL DETERMINATION

FOR

Marathon Petroleum Company LLC

Tampa Light Products Terminal

Hillsborough County

Air Construction Permit

Application Number

0570080-031-AC

Environmental Protection Commission of

Hillsborough County

Tampa, FL

April 2, 2013

## FINAL DETERMINATION

The Environmental Protection Commission of Hillsborough County mailed a public notice package on March 5, 2013 that included Intent to Issue Air Construction Permit No. 0570080-031-AC to Marathon Petroleum Company LP, Tampa Light Products Terminal, located at 425 South 20<sup>th</sup> Street, Tampa, Hillsborough County, FL 33605.

The air construction permit authorizes the facility to modify the existing fixed-cone roof storage Tank 30-13 by installing a bolted aluminum internal floating roof (IFR) to the tank and changing the service of this tank from diesel fuel oil to denatured ethanol. The added IFR will be equipped with a mechanical shoe primary seal.

The Public Notice of Intent to Issue was published on March 15, 2013 in the La Gaceta.

No comments have ever received since the Intent was published.

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

ENVIRONMENTAL PROTECTION COMMISSION OF  
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT

Timothy J. Ayd  
Deputy Assistant Secretary  
Marathon Petroleum Company LP  
539 South Main Street  
Findlay, Ohio 45840

Re: Hillsborough County - AP

Dear Mr. Ayd:

Enclosed is Permit Number 0570080-031-AC to authorize the Tampa Light Products Terminal to modify the existing fixed-cone roof storage Tank 30-13 by adding a bolted aluminum internal floating roof (IFR) to the tank and changing the service of this tank from diesel fuel oil to denatured ethanol, 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 Drive, 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

ENVIRONMENTAL PROTECTION COMMISSION  
OF HILLSBOROUGH COUNTY

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Richard D. Garrity, Ph.D.  
Executive Director

RDG/KRZ/krz

cc: Thomas Davis, P.E. - Environmental Consulting & Technology, Inc.

CERTIFICATE OF SERVICE

The undersigned duly designated clerk hereby certifies that this INTENT TO ISSUE 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(7), Florida Statutes, with the designated clerk, receipt of which is hereby acknowledged.

\_\_\_\_\_  
Clerk

\_\_\_\_\_  
Date

PERMITTEE:  
Marathon Petroleum Company LP  
Tampa Light Products Terminal  
425 South 20<sup>th</sup> Street  
Tampa, FL 33605

PERMIT/CERTIFICATION  
Permit No.: 0570080-031-AC  
County: Hillsborough  
Expiration Date: December 15, 2014  
Project: Modification of Tank 30-13

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 modification of the existing fixed-cone roof storage Tank 30-13 by installing a bolted aluminum internal floating roof (IFR) to the tank and changing the service of this tank from diesel fuel oil to denatured ethanol. The added IFR will be equipped with a mechanical shoe primary seal, which will control the VOC and HAP emissions.

Tank 30-13 is a nominal 26,800-barrel (bbl), fixed-cone roof tank that presently stores diesel fuel oil. Following the addition of an IFR, Tank 30-13 will store denatured ethanol exclusively. Denatured ethanol is a blend comprised of 95 percent ethanol and 5 percent gasoline.

This tank will be subject to Rule 62-296.508, F.A.C. (Petroleum Liquid Storage) and 40 CFR 60 Subpart Kb (NSPS for Volatile Organic Liquid Storage Vessels). The facility is also subject to 40 CFR 63 Subpart R (Bulk Gasoline Terminals and Pipeline Breakout Stations) since the facility is classified as a major source of HAPs; and. However, this facility is exempt from 40 CFR 63 Subpart BBBBBB (Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities) pursuant to 40 CFR 63.11081(a)(1), since the facility is subject to 40 CFR 63 Subpart R.

## EU 012 Gasoline Floating Roof Group Tanks

<u>Tank No.</u>	<u>Roof Type</u>	<u>Product</u> <sup>1</sup>	<u>Applicable Regulation</u>
54-22	IFR/MSP	gasoline	Subpart R; 62-296.508; Subpart Kb
55-04	DEFR/MSP	gasoline	Subpart R; 62-296.508
96-06	IFR/MSP/RMS	gasoline	Subpart R; 62-296.508; Subpart Kb
55-10	DEFR/MSP	gasoline	Subpart R; 62-296.508
55-14	DEFR/MSP	gasoline	Subpart R; 62-296.508
96-15	DEFR/MSP/RMS	gasoline	Subpart R; 62-296.508
96-16	DEFR/MSP	gasoline	Subpart R; 62-296.508
96-17	IFR/MSP/RMS	gasoline	Subpart R; 62-296.508; Subpart Kb
96-18	DEFR/MSP	gasoline	Subpart R; 62-296.508
55-03	DEFR/MSP	gasoline	Subpart R; 62-296.508
35-07	IFR/MSP	gasoline	Subpart R; 62-296.508
80-19	IFR/MSP	gasoline	Subpart R; 62-296.508; Subpart Ka
30-13	IFR/MSP	denatured ethanol	Subpart R; 62-296.508; Subpart Kb

## EU 013 Diesel Fixed Roof Group Tanks

<u>Tank No.</u>	<u>Roof Type</u>	<u>Product</u> <sup>2</sup>	<u>Applicable Regulation</u>
25-02	Cone	diesel	62-296.320
25-08	Cone	diesel	62-296.320
25-12	Cone	diesel	62-296.320
30-09	Cone	diesel	62-296.320
24-24	Cone	diesel	62-296.320
33-26	Cone	diesel	62-296.320
33-29	Dome	diesel	62-296.320
43-28	Dome	diesel	62-296.320
80-11	Cone	diesel	62-296.320

### Glossary

IFR - Internal Floating Roof

DEFR - Dome External Floating Roof

MSP - Mechanical-Shoe Primary Seal

RMS - Rim-Mounted Secondary Seal

<sup>1</sup> Gasoline Floating Roof Group Tanks may also store aviation gasoline, ethanol, transmix, kerosene, and No. 2 fuel oil or other volatile organic liquid of equal or lower true vapor pressure as calculated in the December 13, 2010, permit application using Tanks version 4.0.9d.

<sup>2</sup> Diesel Fixed Roof Group Tanks may also store kerosene jet fuel and transmix.

Location: 425 South 20<sup>th</sup> Street, Tampa, FL 33605

UTM: 17-358.54 E 3091.79 N NEDS NO: 0080

Emission Unit Nos.: EU 012 - Gasoline Floating Roof Group Tanks  
EU 013 - Diesel Fixed Roof Group Tanks

PERMITTEE:  
Marathon Petroleum Company LP

Permit/Certification No.: 0570080-031-AC  
Project: Modification of Tank 30-13

SPECIFIC CONDITIONS:

**Facility-wide 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. As requested by the permittee, in order to limit the potential to emit for both criteria and Hazardous Air Pollutants (HAP), the following potential emission limitations shall apply for any 12 consecutive month period: [Rules 62-210.200(245) and 62-4.070(3), F.A.C., Title V Permit No. 0570080-030-AV, and Air Construction (AC) Permit Application submitted January 25, 2013 with TANKS Program (version 4.0.9d)]
  - (a) Facility-wide Volatile Organic Compound (VOC) emissions, including emissions from de-gassing of the storage tanks, shall not exceed 191.8 tons.
  - (b) The maximum single HAP as MTBE and total HAPs emissions for the facility shall not exceed 20.8 and 30.3 tons, respectively.
6. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department or its delegated agent, the Environmental Protection Commission of Hillsborough County.
  - (a) Maintaining tightly fitting covers, lids, etc., on all containers when they are not being handled, tapped, etc.
  - (b) Where possible and practical, procuring/fabricating a tightly fitting cover for any open trough, basin, etc., of VOC so that it can be covered when not in use.
  - (c) Immediately attending to all spills/waste as appropriate.
  - (d) Using the vapor collection system to control the vapors from every tank truck/cargo tank during the loading of any product.[Rule 62-296.320(1), F.A.C.]
7. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility 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,

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demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Reasonable precautions shall include, but not limited to, the following: [Rule 62-296.320(4)(c)2., F.A.C.]

- A) Maintenance of parking areas and yards.
- B) Removal of particulate matter from paved areas, buildings and work areas under the control of the permittee.
- C) Reduce vehicular speed. Post limits, if necessary.

**8.** 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.]

**9.** 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 may include, and are not limited to the following, and may also require prior authorization before implementation:  
[Rules 62-4.060, 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 in the process description of this permit.
- B) Installation or addition of any equipment which is a source of air pollution.
- C) The storage or handling of any products other than those authorized by this permit.
- D) Increase of product throughput.

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

**11.** When the Environmental Protection Commission of Hillsborough County (EPC) after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable requirement or permit condition is being violated, it may require the owner or operator of the source to conduct compliance tests which identify the nature and quantity of pollutant emissions from the source and to provide a report on the results of said tests to the Environmental Protection Commission of Hillsborough County. [Rules 62-297.310(7)(b) and 62-4.070(3), F.A.C.]

**12.** A minimum of two copies of a permit application for a Title V permit revision with a copy of the tank certification, as specified in Specific Condition B.16, shall be submitted to the Environmental Protection Commission of Hillsborough County no later than 60 days after Tank No. 30-13 commences operation as modified or at least 90 days prior to expiration of this permit, whichever occurs first.  
[Rules 62-4.070(3) and 62-213.420(1)(a)3, F.A.C.]

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SPECIFIC CONDITIONS:

**Subsection B. This section addresses the following emissions unit(s).**

**E.U. ID**

<b><u>No.</u></b>	<b><u>Brief Description</u></b>
-012	Gasoline Floating Roof Group Tanks
-013	Diesel Fixed Roof Group Tanks

**B.1.** The following conditions apply to the NSPS emissions unit(s) identified above: 40 CFR 60, Subpart A - General Provisions. 40 CFR 60 Subpart A is an enforceable document that is part of this permit. [Rule 62-204.800(8)(d), F.A.C. and Title V Permit No. 0570080-030-AV]

**B.2.** The following conditions apply to the NESHAP emissions unit(s) identified above: 40 CFR 63, Subpart A - General Provisions. 40 CFR 63, Subpart A is an enforceable document that is part of this permit. [Rule 62-204.800(11)(d)(1), F.A.C., and Title V Permit No. 0570080-030-AV]

**B.3. Hours of Operation.** These emissions units are allowed to operate continuously, i.e., 8,760 hours/year. [Rules 62-4.160(2), F.A.C., 62-210.200, F.A.C., and Title V Permit No. 0570080-030-AV]

**B.4.** As requested by the permittee, in order to limit the potential to emit, the following restrictions and limitations shall apply for the gasoline tanks group (Tanks 30-13, 35-07, 54-22, 55-03, 55-04, 55-10, 55-14, 80-19, 96-06, 96-15, 96-16, 96-17 and 96-18) for any twelve (12) consecutive month period: (calculated using Tanks 4.09D):

- (a) Maximum potential VOC emissions, including degassing emissions, shall not exceed 63.7 tons
- (b) Maximum potential HAP emissions, including degassing emissions, shall not exceed 20.8 tons.
- (c) Allowable product storage: gasoline, ethanol, aviation gasoline, transmix, kerosene, and No. 2 fuel oil.
- (d) Maximum annual average true vapor pressure: 9 psia (RVP = 11 psia)
- (e) All tanks shall be clearly identified by number

[Rule 62-4.070(3), and Rule 62-210.200(PTE), F.A.C., Title V Permit No. 0570080-030-AV and AC Permit Application submitted January 25, 2013]

**B.5.** [Revised.]

**B.6.** In order to limit the PTE, the maximum VOC emissions from the Diesel Fixed Roof Group Tanks (Tanks 24-24, 25-02, 25-08, 25-12, 30-09, 33-26, 33-29, 43-28, and 80-11) shall not exceed 11.2 tons per twelve consecutive month period (calculated using Tanks 4.09D) as restricted below:

- (a) Maximum potential VOC emissions shall not exceed 11.2 tons.
- (b) Allowable product storage: No. 2 fuel oil, transmix, and kerosene jet fuel
- (c) Maximum annual average product vapor pressure: 0.01 psia

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- (d) The mixing or blending of products is not allowed.
- (e) All tanks shall be clearly identified by number.

[Rules 62-210.200(PTE) and 62-4.070(3), F.A.C., Title V Permit No. 0570080-030-AV and AC Permit Application submitted January 25, 2013]

**B.7.** Reserved.

**B.8.** The permittee shall maintain all Gasoline Floating Roof Group Tanks with a fixed roof in combination with an internal floating roof meeting the following specifications:

- (a) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.
- (b) Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:
  - i. A foam- or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
  - ii. Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.
  - iii. A mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.
- (c) Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.

[40 CFR 63.423(a), 40 CFR 60.112b(a)(1), and Title V Permit No. 0570080-030-AV]

**B.9.** The permittee shall maintain Tank Nos. 30-13, 54-22, 96-06 and 96-17, subject to 40 CFR 60 Subpart Kb, with a fixed roof in combination with an internal floating roof meeting the following specifications:

- (a) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals

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when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.

- (b) Each internal floating roof shall be equipped with the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:
  - i. A foam- or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
  - ii. Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.
  - iii. A mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.
- (c) Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.
- (d) Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.
- (e) Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.
- (f) Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.
- (g) Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
- (h) Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.
- (i) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

[40 CFR 63.420(g), 40 CFR 63.423(a), 40 CFR 60.112b(a)(1), Rule 62-204.800, F.A.C., Title V Permit No. 0570080-030-AV and AC Permit Application submitted January 25, 2013]

**B.10.** The permittee shall not permit the use of Tank Nos. 96-06 and 96-17 unless the tanks are maintained such that there are no visible holes, tears, or other openings in the seal or any seal fabric or materials.

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[Rule 62-296.508(2)(b), F.A.C. and Title V Permit No. 0570080-030-AV]

**B.11.** The permittee shall not permit the use of any tank in the Gasoline Floating Roof Group unless all openings, except stub drains are equipped with covers, lids, or seals such that:

- (a) The cover, lid, or seal is in the closed position at all times except on demand for sampling, maintenance, repair, or necessary operational practices; and,
- (b) Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports; and,
- (c) Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting.

[Rule 62-296.508(2)(c), F.A.C. and Title V Permit No. 0570080-030-AV]

**B.12.** All Diesel Fixed Roof Group Tanks shall comply with the following:

- (a) The Environmental Protection Commission of Hillsborough County deems necessary and orders the permittee to use submerged filling techniques (bottom loading). The EPC finds submerged filling techniques to be known and existing vapor emissions controls.

[Rule 62-296.320(1)(a), F.A.C. and Title V Permit No. 0570080-030-AV]

**B.13.** Reserved.

**B.14.** For all Gasoline Floating Roof Group Tanks the permittee shall:

- (a) Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL if any seal, seal fabric, or internal floating roof has been repaired or replaced. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the permittee shall repair the items before filling the storage vessel.
- (b) For vessels equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the permittee shall repair the items or empty and remove the storage vessel from service within 45 days.
- (c) If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Environmental Protection Commission of Hillsborough County in the inspection report required in Specific Condition B.16.(a)(iii) and 40 CFR 60.115b(a)(3). Such a request for an

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extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

- (d) For vessels equipped with a double-seal system as specified in Specific Condition B.8.(b)(ii).
  - i. Visually inspect the vessel as specified in paragraph (d) of this Specific Condition at least every 5 years; or
  - ii. Visually inspect the vessel as specified in paragraph (b) of this Specific Condition.
- (e) Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in paragraphs (b) and (d)(ii) [40 CFR 60.113b(a)(2)] of this Specific Condition and at intervals no greater than 5 years in the case of vessels specified in paragraph (d)(i) of this Specific Condition.
- (f) Notify the Environmental Protection Commission of Hillsborough County in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by paragraphs (a) and (e) of this Specific Condition [40 CFR 60.113b(a)(2)] to afford the Environmental Protection Commission of Hillsborough County the opportunity to have an observer present. If the inspection required by paragraph (e) of this Specific Condition [40 CFR 60.113b(a)(4)] is not planned and the permittee could not have known about the inspection 30 days in advance of refilling the tank, the permittee shall notify the Environmental Protection Commission of Hillsborough County at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Environmental Protection Commission of Hillsborough County at least 7 days prior to the refilling.

[40 CFR 63.425(d), 40 CFR 60.113b(a)]

**B.15.** For all Gasoline Floating Roof Group Tanks, the permittee shall keep copies of all records required by this Specific Condition, except for the record required by paragraph (a) of this Specific Condition, for at least 5 years. The record required by paragraph (a) of this Specific Condition will be kept for the life of the source.

- (a) The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.

PERMITTEE:  
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SPECIFIC CONDITIONS:

- (b) Except as provided in paragraphs (e) of this Specific Condition [40 CFR 60.116b(f)], the permittee shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period.
- (c) Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined in (d) below.
- (d) For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.
  - i. For crude oil or refined petroleum products the vapor pressure may be obtained by the following:
    - a. Available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517 (incorporated by reference - see 40 CFR 60.17), unless the Environmental Protection Commission of Hillsborough County specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s).
    - b. The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 13.8 kPa or with physical properties that preclude determination by the recommended method is to be determined from available data and recorded if the estimated maximum true vapor pressure is greater than 3.5 kPa.
  - ii. For other liquids, the vapor pressure:
    - a. May be obtained from standard reference texts, or
    - b. Determined by ASTM Method D2879-83 (incorporated by reference-see 40 CFR 60.17); or
    - c. Measured by an appropriate method approved by the Administrator; or
    - d. Calculated by an appropriate method approved by the Administrator.
- (e) The permittee for each vessel storing a waste mixture of indeterminate or variable composition shall be subject to the following requirements.
  - i. Prior to the initial filling of the vessel, the highest maximum true vapor pressure for the range of anticipated liquid compositions to be stored will be determined using the methods described in paragraph (c) of this Specific Condition.
  - ii. For vessels in which the vapor pressure of the anticipated liquid composition is above the cutoff for monitoring but below the cutoff for controls as defined in §60.112b(a), an initial physical test of the vapor pressure is required; and a physical test at least once every 6 months thereafter is required as determined by the following methods:
    - a. ASTM D2879-83, 96, or 97 (incorporated by reference—see §60.17); or
    - b. ASTM D323-82 or 94 (incorporated by reference—see §60.17); or
    - c. As measured by an appropriate method as approved by the Administrator.

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**SPECIFIC CONDITIONS:**

[40 CFR 63.427(c), 40 CFR 60.116b]

**B.16.** The permittee shall keep records and furnish reports as required by this Specific Condition. The permittee shall keep copies of all reports and records required by this Specific Condition for at least 5 years.

For all Gasoline Floating Roof Group Tanks, the permittee shall meet the following requirements;

- i. Furnish the EPCHC with a report that describes the control equipment and certifies that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 40 CFR 60.113b(a)(1). This report shall be an attachment to the notification required by 40 CFR 60.7(a)(3).
- ii. Keep a record of each inspection performed as required by Specific Condition B.14(a), (b), (d), and (e) [40 CFR 60.113b (a)(1), (a)(2), and (a)(4)]. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).
- iii. If any of the conditions described in Specific Condition B.14. are detected during the annual visual inspection required by Specific Condition B.14.(b) [40 CFR 60.113b(a)(2)], a report shall be furnished to the Environmental Protection Commission of Hillsborough County within 30 days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made.
- iv. After each inspection required by Specific Condition B.14.(d) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in Specific Condition B.14.(d)ii., a report shall be furnished to the Environmental Protection Commission of Hillsborough County within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or Specific Condition No. B.14.(d) and list each repair made.

[40 CFR 63.428(d), 40 CFR 60.115b(a)]

**B.17.** [Reserved.]

**B.18.** Compliance with the limitations of Specific Conditions Nos. B.4. and B.6. shall be demonstrated through the use of a monthly recordkeeping system. The recordkeeping system shall contain the following information and made available for inspection by the Environmental Protection Commission of Hillsborough County for the previous five (5) years:

- (a) Tank Number
- (b) Month, Year
- (c) Product(s) Stored

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- (d) Period of Storage of Each Product(s) (days)
- (e) Average Product (Reid for gasoline and transmix) Vapor Pressure (psia)
- (f) Maximum True Vapor Pressure of Each Product Stored (psia)
- (g) Product(s) Throughput (gallons)
- (h) Average annual product (weighted Reid for gasoline and Reid for transmix) vapor pressure (psia)
- (i) Tank Design Data
- (j) Most recent twelve month rolling total of product(s) throughput (gallons)
- (k) Monthly and 12-month rolling totals of VOC and HAP emissions

[40 CFR 63.428, 62-213.440(1)(b)2.b., F.A.C. and Title V Permit No. 0570080-030-AV and AC Permit Application submitted January 25, 2013]

**B.19.** The permittee shall promptly notify (by telephone) the Environmental Protection Commission of Hillsborough County of any abnormal event which occurs at the facility. Within thirty (30) days of the abnormal event, the permittee shall submit a written report detailing the following:

- (a) Tank Identification Number
- (b) The Abnormal Event
- (c) Corrective Action Taken

For purposes of this condition, an abnormal event shall mean:

- (a) Identification of any item out of compliance.
- (b) The landing or floating off of a roof on its support legs.
- (c) Any tank out of service for more than four (4) weeks.

[Rule 62-4.070(3), F.A.C. and Title V Permit No. 0570080-030-AV]

**B.20.** In the Gasoline Floating Roof Group Tanks, Tank 55-10 and Tank 55-14 shall comply with the following terms and conditions:

- (a) The sliding cover shall be in place over the slotted-guidepole opening through the floating roof at all times except when the sliding cover must be removed for access. If the control technology used includes a guidepole float, the float shall remain floating within the guidepole at all times except when it must be removed for access to the stored liquid or when the tank is empty.
- (b) Visually inspect the deck fitting for the slotted guidepole at least once every ten years and each time the vessel is emptied and degassed. If the slotted guidepole deck fitting or control devices have defects, or if a gap of more than 0.32 centimeters (1/8 inch) exists between any gasket required for control of the slotted guidepole deck fitting and any surface that is intended to seal, such items shall be repaired before filling or refilling the storage vessel with regulated material.
- (c) Tanks taken out of hydrocarbon service for any reason, do not have to have controls in place during the time they are out of service.

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**SPECIFIC CONDITIONS:**

[40 CFR 60.112a(a) and 60.112b(a) and EPA Storage Tank Emission Reduction Partnership Program (STREPP) Agreement (FRL-6567-8), and Title V Permit No. 0570080-030-AV]

**B.21.** For Tank Nos. 30-13, 54-22, 96-06 and 96-17, the permittee shall meet the following requirements. The permittee shall keep copies of all reports and records required by this Specific Condition for at least 5 years. [40 CFR 63.420(g), 40 CFR 63.428(d), and 40 CFR 60.115b(a) and Title V Permit No. 0570080-030-AV and AC Permit Application submitted January 25, 2013]

- (a) Furnish the EPCHC with a report that describes the control equipment and certifies that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 40 CFR 60.113b(a)(1). This report shall be an attachment to the notification required by 40 60.7(a)(3).
- (b) Keep a record of each inspection performed as required by 40 CFR 60.113b (a)(1), (a)(2), and (a)(4) (Specific Condition No. B.14.(a), (b), and (c)). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).
- (c) If any of the conditions described in 40 CFR 60.113b(a)(2) (Specific Condition No. B.14.(b)) are detected during the annual visual inspection required by 40 CFR 60.113b(a)(2), a report shall be furnished to the EPCHC within 30 days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made.

**B.22.** When storing new product in an existing tank, the permittee shall take all necessary precautions to ensure that the affected tank is rid completely of the old product prior to storing the new petroleum liquid. [Rule 62-4.070(3), F.A.C. and Title V Permit No. 0570080-030-AV]

ENVIRONMENTAL PROTECTION COMMISSION  
OF HILLSBOROUGH COUNTY

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Richard D. Garrity, Ph.D.  
Executive Director

