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## PERMITTEE

Chevron Products Company  
5500 West Commerce Street  
Tampa, FL 33616

Authorized Representative:  
Allen Craig, Terminal Manager

Air Permit No. 057055-015-AF  
Effective Date: 9/7/2017  
Renewal Application Due Date: 7/9/2022  
Expiration Date: 9/7/2022

Port Tampa Terminal  
Hillsborough County, Florida

## PROJECT

This is the final Federally Enforceable State Operation Permit (FESOP), which authorizes the operation of Chevron Products Company, Port Tampa Terminal, which is a bulk gasoline terminal (Standard Industrial Classification No. 5171). This FESOP is to renew FESOP No. 05702055-014-AF. The facility is located in Hillsborough County at 5500 West Commerce Street in Tampa, Florida. The UTM coordinates are Zone 17, 348.21 kilometers (km) East, and 3082.48 km North.

This final permit is organized into the following sections: Section 1 (General Information); Section 2 (Administrative Requirements); Section 3 (Emissions Unit Specific Conditions); and Section 4 (Appendices). Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

**Permitting Authority:** Applications for air operation permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4 and 62-210 of the Florida Administrative Code (F.A.C.). The Permitting Authority responsible for making a permit determination for this project is the Environmental Protection Commission of Hillsborough County (EPC). The Permitting Authority's physical and mailing address is: 3629 Queen Palm Drive, Tampa, Florida 33619. The Permitting Authority's telephone number is 813/627-2600.

**Petitions.** A person whose substantial interests are affected by the proposed decision may petition for an administrative hearing in accordance with 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 applicant or any of the parties listed below must be filed within 14 days of receipt of this notice. Petitions filed by any other person must be filed within 14 days of receipt of this proposed action. A petitioner must 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, F.A.C.

A petition that disputes the material facts on which the Department'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; the name, address and telephone number

## FINAL PERMIT

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of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when each petitioner received notice of the agency action or proposed 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, as well as the rules and statutes which entitle the petitioner to relief; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and, (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the permitting authority'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, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department'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 permitting authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

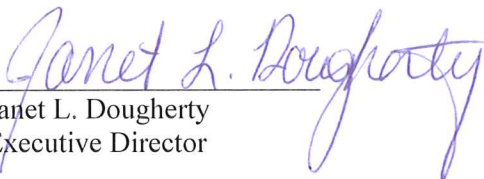
**Mediation:** Mediation is not available in this proceeding.

**Effective Date:** This permitting decision is final and effective on the date filed with the clerk of the Permitting Authority unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition pursuant to Rule 62-110.106, F.A.C., and the petition conforms to the content requirements of Rules 28-106.201 and 28-106.301, F.A.C. Upon timely filing of a petition or a request for extension of time, this action will not be effective until further order of the Permitting Authority.

**Judicial Review:** Any party to this permitting decision (order) has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Legal Department of the EPC at 3629 Queen Palm Drive, Tampa, Florida 33619, Phone 813-627-2600, Fax 813-627-2602 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 30 days after this order is filed with the clerk of the Department.

Upon issuance of this final permit, any party to this permitting decision (order) has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Legal Department of the EPC at 3629 Queen Palm Drive, Tampa, Florida 33619, Phone 813-627-2600, Fax 813-627-2602, 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 30 days after this order is filed with the clerk of the Department.

Executed in Tampa, Florida

  
Janet L. Dougherty  
Executive Director

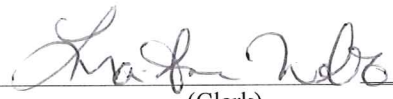
**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Federally Enforceable State Operation Permit package was sent by electronic mail, or a link to these documents made available electronically on a publicly accessible server, with received receipt requested before the close of business on the date indicated below to the following persons.

Allen Craig, Chevron Products Company (ADCR@chevron.com)  
Gregory Renfro, Chevron Products Company (renfrog@chevron.com)

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date,  
pursuant to Section 120.52(7), Florida Statutes, with the  
designated agency clerk, receipt of which is hereby  
acknowledged.

 9/7/2017  
(Clerk) (Date)



## SECTION 1. GENERAL INFORMATION

### FACILITY DESCRIPTION

Chevron Products Company is a bulk gasoline terminal that receives and stores gasoline, ethanol, aviation gasoline, diesel fuel, and jet fuel in fixed and floating roof storage tanks and distributes the products by tank trucks and/or by pipeline to MacDill Air Force Base and Tampa International Airport. Chevron has twenty-three (23) tanks onsite, five of which are additive tanks. All products except ethanol are unloaded by marine vessels and pumped via pipeline to a storage tank. Ethanol is received by truck and pumped to either Tank No. 35 or 42 using three ethanol unloading arms at a dedicated ethanol unloading rack. Emissions from the ethanol unloading are vented back to the truck.

The facility has four truck loading racks. Loading Rack No. 1 has four gasoline loading arms, one in-line blending skid to blend ethanol with the gasoline stream just prior to truck loading, and one diesel loading arm. Loading Rack No. 2 has four gasoline or ethanol loading arms and one diesel loading arm. On Loading Rack No. 2, ethanol is loaded in the truck using a gasoline loading arm. After the ethanol has been loaded, gasoline is loaded in the truck using the same loading arm. Loading Rack No. 3 has two diesel loading arms, one jet fuel loading arm, and one aviation gas loading arm. Loading Rack No. 4 has two diesel loading arms and one jet fuel loading arm.

Volatile organic compound emissions (VOC) generated by the truck loading racks are controlled by a John Zink natural draft, air assisted, hydrocarbon vapor combustion unit (VCU), Model No. ZCT-2/3-10-50-X-2/8-4/8-X. VOC emissions from Tank Nos. 28, 29, 32, 35, 36, 41, and 42 are controlled by internal floating roofs with geodesic domes. VOC emissions from Tank Nos. 27, 51, 54, 55, 56, 57, 58, 59, 60, 62, 63, 70, 71, 72, 73, and M-10 are controlled by submerged filling of the tanks. Also, the facility has throughput limitations on their products (i.e., gasoline, ethanol, jet fuel, diesel fuel, additives, etc.). The facility-wide potential to emit (PTE) VOC is 87.6 tons per year (TPY).

The facility has two 1,000 gallon, storage tanks that store gaseous propane, which is used as a backup fuel for the VCU. These tanks are exempt from permitting pursuant to 40 CFR 60.110b(d)2. and Rule 62-210.300(3)(b), F.A.C.

The facility is subject to 40 CFR 63 Subpart BBBBBB— National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities. This NESHAP has not been adopted by the State of Florida, however, Chevron needs to ensure that they are in compliance with this federal regulation.

The existing facility consists of the following emissions units (EU):

| EU No.                           | Brief Description   |
|----------------------------------|---|
| <i>Regulated Emissions Units</i> |   |
| 002                              | Internal Floating Roof Storage Tanks – Gasoline/Aviation Gasoline |
| 004                              | Diesel/Jet Fuel Storage Tanks                                     |
| 005                              | Truck Loading Rack with Vapor Combustion Unit (VCU)               |
| 006                              | Fixed Roof Storage Tanks  |
| 007                              | Fixed Roof Additive Storage Tanks                                 |

## SECTION 1. GENERAL INFORMATION

A summary of applicable regulations is shown in the following table.

| Regulation  | EU No(s). |
|---|-----------|
| <i>Federal Rule Citations</i>                     |           |
| 40 CFR 60, Subpart A, NSPS General Provisions     | 005       |
| 40 CFR 60, Subpart XX                             | 005       |
| <i>State Rule Citations</i>                       |           |
| Rule 62-296.508, F.A.C., Petroleum Liquid Storage | 002       |
| Rule 62-296.510, F.A.C., Bulk Gasoline Terminals  | 005       |

### FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

## SECTION 2. ADMINISTRATIVE REQUIREMENTS

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FW1. Permitting Authority: The permitting authority for this project is the Environmental Protection Commission of Hillsborough County (EPC). The Permitting Authority's mailing address is: 3629 Queen Palm Drive, Tampa, FL 33619. All documents related to applications for permits to operate an emissions unit shall be submitted to the EPC.

FW2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the EPC at: 3629 Queen Palm Dr., Tampa, FL 33619.

FW3. Appendices: The following Appendices are attached as a part of this permit: Appendix A (Citation Formats and Glossary of Common Terms); Appendix B (General Conditions); Appendix C (Common Conditions); and Appendix D (Common Testing Requirements).

FW4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

FW5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]

FW6. Modifications: No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

FW7. Renewal. Prior to 60 days before the expiration date of this permit, the permittee shall apply for a renewal of the permit. A renewal application shall be timely and sufficient. If the application is submitted prior to 60 days before 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 Department. [Rule 62-4.090, F.A.C.]

FW8. Annual Operating Report (AOR): The information required by the Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) shall be submitted by April 1 of each year, for the previous calendar year, to the EPC. All synthetic non-Title V sources shall submit a completed DEP Form 62-210.900(5) unless the annual operating report is submitted using the DEP's electronic annual operating report software. Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C. [Rule 62-210.370(3), F.A.C.]

*{Permitting Note: Resources to help you complete your AOR are available on the electronic AOR (EAOR) website at: <http://www.dep.state.fl.us/air/emission/eaor>. If you have questions or need assistance after reviewing the information posted on the EAOR website, please contact the Department by phone at (850) 717-9000 or email at [eaor@dep.state.fl.us](mailto:eaor@dep.state.fl.us).}*

FW9. As requested by the permittee, in order to limit the potential to emit and establish the facility as a Synthetic Non-Title V Source for both Volatile Organic Compound (VOCs) and Hazardous Air Pollutants (HAP), the following



## SECTION 2. ADMINISTRATIVE REQUIREMENTS

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emission limitation shall apply: [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C., Permit Nos. 0570055-012/15-AC/AF]

- A) The maximum VOC emissions from the facility, including fugitive emissions and emissions from degassing of the storage tanks, shall not exceed 87.6 tons per twelve consecutive month period;
- B) HAP, as defined in Rule 62-213.200, F.A.C., emissions shall be less than 10 tons in any 12 consecutive month periods for any individual HAP, and less than 25 tons in any 12 consecutive month periods for the total of all HAPs combined.
- C) The hours of operation are not restricted.

FW10. Excess emissions resulting from startup, shutdown or malfunction shall be permitted providing best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited. [Rules 62-210.700(1) and (4), F.A.C.]

FW11. Any component parts of an emission unit whose reconstruction cost for the new component(s) exceeds 50 percent of the fixed capital cost that would be required to construct a comparable entirely new emission unit will be regulated as a new emission unit. If the reconstruction costs exceed 50 percent of the cost of a new emission unit, the permittee shall notify the Environmental Protection Commission of Hillsborough County of the proposed replacements. The notice must be postmarked 60 days or as soon as practicable before construction of the replacements is commenced and must include the following information: [40 CFR 60.15, Rule 62-4.070(3), F.A.C., and Permit No. 0570055-012-AC ]

- A) Name and address of the owner or operator.
- B) The location of the existing facility.
- C) A brief description of the existing tank and the components which are to be replaced.
- D) A description of the existing air pollution control equipment and the proposed air pollution control equipment.
- E) An estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new tank.
- F) The estimated life of the existing tank after the replacements.
- G) A discussion of any economic or technical limitations the tank may have in complying with the applicable standards of performance after the proposed replacements.

FW12. 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 shall 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(8)(c), F.A.C.]

FW13. 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. [Rule 62-296.320(4)(c), F.A.C.]

## SECTION 2. ADMINISTRATIVE REQUIREMENTS

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FW14. The use of property, facilities, equipment, processes, products, or compounds, or the commission of paint overspraying or any other act, that causes or materially contributes to a public nuisance is prohibited, pursuant to the Hillsborough County Environmental Protection Act, Section 16, Chapter 84-446, Laws of Florida, as Amended.

FW15. 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(1), F.A.C. and Permit No. 0570055-012-AC]

- 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.



### SECTION 3. EMISSIONS UNITS SPECIFIC CONDITIONS

#### A. STORAGE TANKS

This section of the permit addresses the following emissions units (EU) and the tank descriptions for each EU.

| <b>EU 002 – Internal Floating Roof Storage Tanks – Gasoline/Aviation Gasoline</b> |                     |                |           |                  |                 |
|---|---------------------|----------------|-----------|------------------|-----------------|
| Tank No.  | Product Stored      | Diameter (ft.) | Tank Type | Volume (gallons) | Seal            |
| 28  | Gasoline            | 80'            | IFR       | 1,292,088        | PS-MS/SS-SM/C-W |
| 29  | Gasoline            | 80'            | IFR       | 1,368,528        | PS-MS/SS-SM/C-W |
| 32  | Aviation Gasoline   | 55.5'          | IFR       | 821,965          | PS-MS/SS-SM/C-W |
| 35  | Ethanol or Gasoline | 79'            | IFR       | 1,452,738        | PS-MS/SS-SM/C-W |
| 36  | Gasoline            | 90'            | IFR       | 1,783,488        | PS-MS/SS-SM/C-W |
| 41  | Gasoline            | 90'            | IFR       | 1,930,824        | PS-MS/SS-SM/C-W |
| 42  | Ethanol or Gasoline | 78'            | IFR       | 1,461,054        | PS-MS/SS-SM/C-W |

| <b>EU 004 – Diesel/Jet Fuel Storage Tanks</b> |                |                |           |                  |
|---|----------------|----------------|-----------|------------------|
| Tank No.                                      | Product Stored | Diameter (ft.) | Tank Type | Volume (gallons) |
| 27  | Jet Kerosene   | 94.5'          | VFR       | 1,808,016        |
| 51  | Jet Kerosene   | 100'           | VFR       | 2,659,734        |
| 54  | Jet Fuel       | 90'            | VFR       | 2,188,074        |
| 55  | Diesel Fuel    | 90'            | VFR       | 2,164,092        |
| 59  | Jet Kerosene   | 110'           | VFR       | 3,332,616        |

| <b>EU 006 – Fixed Roof Storage Tanks</b> |                |                |           |                  |
|--|----------------|----------------|-----------|------------------|
| Tank No.                                 | Product Stored | Diameter (ft.) | Tank Type | Volume (gallons) |
| 56                                       | Slop           | 12'            | VFR       | 20,983           |
| 60*                                      | Slop           | 9'             | HFR       | 13,325           |
| 62*                                      | Slop           | 9'             | HFR       | 13,325           |
| 71                                       | PCW            | 30'            | VFR       | 20,456           |
| 72                                       | PCW            | 30'            | VFR       | 20,456           |
| M-10                                     | OWS            | 8'             | HFR       | 8,000            |

| <b>EU 007 – Fixed Roof Additive Storage Tanks</b> |                |                |           |                  |
|---|----------------|----------------|-----------|------------------|
| Tank No.  | Product Stored | Diameter (ft.) | Tank Type | Volume (gallons) |
| 57  | Additive       | 12'            | VFR       | 30,370           |
| 58  | Additive       | 8'             | HFR       | 8,000            |
| 63  | Additive       | 10'            | VFR       | 12,000           |
| 70  | Additive       | 12'            | VFR       | 2,000            |
| 73  | Additive       | 8'             | HFR       | 8,000            |

#### Glossary:

IFR - Internal Floating Roof      HFR - Horizontal Fixed Roof

VFR - Vertical Fixed Roof      \* - Underground

PS-MS/SS-SM/C-W – Primary Seal-Mechanical Shoe/Secondary Seal-Shoe Mounted/Construction-Welded

### SECTION 3. EMISSIONS UNITS SPECIFIC CONDITIONS

#### A. STORAGE TANKS

A.1. In order to demonstrate compliance with the Facility-wide Condition No. FW9., the following shall be met: [Rules 62-4.070(3) and 62-210.300 – Potential to Emit, F.A.C. and Permit Nos. 0570055-002/007/012-AF/AC/AC]

- A) The total combined volatile organic liquid (VOL) throughput shall not exceed the following limits in any twelve consecutive month period:

| Product   | Throughput (gallons) |
|---|----------------------|
| Gasoline, Aviation Gasoline, Slop, Additive, and Ethanol* | 320,621,685          |
| Diesel Fuel   | 106,343,657          |
| Jet Fuel  | 387,113,780          |

\*The gasoline, aviation gasoline, slop, additive, and ethanol have been combined for throughput purposes. However, the actual product emissions shall be calculated separately using the most recent version of the TANKS program for each storage tank.

- B) The following weighted annual average vapor pressures shall not be exceeded:
- Gasoline Group - 13 psia (RVP)
  - Aviation Gas Group - 4.50 psia (TVP)
- C) All tanks shall be numbered and clearly identifiable
- D) Each tank shall be maintained to retain the structure, roof type, seals, controls, and color characteristics described in the application unless authorized by permit from the Environmental Protection Commission of Hillsborough County.
- E) The permittee shall not store nor distribute reformulated or oxygenated gasolines including gasoline with MBTE.
- F) Ethanol shall be received by truck only. Ship unloading of ethanol is not permitted.

A.2. Compliance with the Facility-wide and Specific Condition Nos. FW9 and A.1. shall be demonstrated through the use of a monthly recordkeeping system. The records shall be maintained onsite for three years and shall be made available to any local, state, or federal air pollution agency upon request. The records shall include, but not limited to, the following: [Rules 62-4.160(14)(b) and 62-4.070(3), F.A.C. and Permit No. 0570055-012-AC]

- Month, Year
- Tank Number
- Product(s) Stored
- Average Product Vapor Pressure (psia)
- Throughput of the Product(s), in gallons
- Most recent twelve month rolling total of E), above
- Dates and duration of each tank degassing event for maintenance. VOC emissions from the degassing events shall be included in the AOR each year.

A.3. Internal floating roof tank Nos. 28, 29, 32, 35, 36, 41, and 42 shall be operated and equipped with the following. These tanks have been converted to internal floating roof tanks by adding a geodesic dome roof on top of existing external floating roof tanks. [Rule 62-296.508, F.A.C.]

- A) An internal floating roof with a closure seal to close the space between the roof edge and tank wall.

### SECTION 3. EMISSIONS UNITS SPECIFIC CONDITIONS

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#### A. STORAGE TANKS

- B) Ensure there are no visible holes, tears or other openings in the seal or seal fabric or materials.
- C) Each opening, except for stub drains, are equipped with covers, lids or seals and are in the closed position except for sampling, maintenance, repair or necessary operational practices.
- D) Each automatic bleeder vent shall be closed except when the roof is floated off or landed on the roof leg supports.
- E) Each rim vent shall be set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting.

A.4. Tank Nos. 27, 51, 54, 55, 56, 57, 58, 59, 60, 62, 63, 70, 71, 72, 73, and M-10 shall be filled using submerged filling techniques. [Rules 62-296.320(1) and 62-4.070(3), F.A.C.]



### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

#### B. TRUCK LOADING RACK with VCU

This section of the permit addresses the following emissions unit.

| EU No. | Emission Unit Description                           |
|--------|---|
| 005    | Truck Loading Rack with Vapor Combustion Unit (VCU) |

B.1. In order to limit the potential to emit, the maximum allowable VOC emissions from the truck loading rack shall not exceed 35 milligrams per liter of gasoline loaded into trucks and 64.3 tons per any consecutive twelve month period (TPY), which includes fugitive emissions based on 13 mg/l of gasoline loaded. [Rules 62-4.070(3) and 62-210.300 – Potential to Emit, F.A.C. and Permit No. 0570055-012-AC]

B.2. In order to demonstrate compliance with the Facility-wide and Specific Condition Nos. FW9 and B.1, the following restrictions and limitations shall apply: [Rules 62-4.070(3) and 62-296.510(3), F.A.C. 40 CFR 60.502(b), and Permit Nos. 0570055-002/012-AF/AC]

- A) Displaced vapors from truck loading shall be routed to the VCU.
- B) Displaced vapors from unloading ethanol shall vent back to the tanker truck.
- C) The maximum throughput of the loading rack shall not exceed the following per 12 consecutive month period:

| Product  | Throughput (gallons) |
|--|----------------------|
| Gasoline, aviation gasoline, slop, additive, and ethanol | 320,621,685          |
| Diesel   | 106,343,657          |
| Jet fuel   | 387,113,780          |

B.3. The permittee shall comply with the following requirements of 40 CFR 60 Subpart XX - Standards of Performance for Bulk Gasoline Terminals: [Rule 62-204.800, F.A.C. and Permit No. 0570055-012-AC]

- A) The permittee shall limit the loading of liquid product into vapor-tight tank trucks using the following procedures: [40 CFR 60.502(e)]
  - i. Obtain vapor tightness documentation for each tank truck loaded.
  - ii. Record the tank truck identification number as each tank truck is loaded.
  - iii. Cross check each tank truck identification number with the vapor tightness documentation within two (2) weeks after the corresponding tank truck is loaded.
  - iv. Notify the owner/operator of each nonvapor-tight tank truck loaded within one (1) week after the loading has occurred.
  - v. Take steps to ensure that the nonvapor-tight tank trucks will not be reloaded until vapor-tightness documentation is obtained.
- B) The permittee shall keep documentation of all notifications required by Specific Condition No. B.3.A)iv. on file at the facility for at least two (2) years. [40 CFR 60.505(d)]
- C) The permittee shall act to assure that the loadings into tank trucks are made only into tank trucks equipped with vapor collection equipment that is compatible with the facility's vapor collection system. [40 CFR 60.502(f)]
- D) The permittee shall act to assure that the facility and tank truck vapor collection systems are connected during each loading of a gasoline tank truck by training drivers in hook-up procedures and posting visible reminder signs at the loading rack. [40 CFR 60.502(g)]

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

#### B. TRUCK LOADING RACK with VCU

- E) The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. This level is not to be exceeded when measured by the procedures specified in 40 CFR 60.503(d). [40 CFR 60.502(h)]
- F) The permittee shall install and calibrate a pressure measurement device (liquid manometer, magnehelic gauge or equivalent instrument) capable of measuring 500 mm of water gauge pressure with  $\pm 2.5$  mm of water precision, on a pressure tap as close as possible to the connection with the tank truck while conducting performance testing. [40 CFR 60.503(d)(1)]
- G) The permittee shall not allow any pressure vent in the vapor collection system to begin to open at a system pressure less than 4500 pascals (450 mm of water). [40 CFR 60.502(i)]
- H) The permittee shall inspect each month, the vapor collection system, the vapor processing system, and the loading rack during the loading of tank trucks for volatile organic compound leaks. Each detection of a leak shall be recorded and the source of the leak repaired within 15 days after it is detected. [40 CFR 60.502(j)]
- I) The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the loading rack and vapor collection system. [40 CFR 60.7(b)]
- J) Before testing to demonstrate compliance with Specific Condition Nos. B.1. and B.3.E), test the vapor collection system's equipment for leaks while a tank truck is being loaded and repair all leaks with readings of 10,000 ppm (as methane) or greater before testing. Testing procedures shall be consistent with the requirements of Rule 62-297, F.A.C. [40 CFR 60.503(b)]
- K) Compliance with Specific Condition Nos. B.3.A) and B.3.E) shall be determined using EPA Methods 21 and 27 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. During the Method 21 test, the gauge pressure shall be recorded every 5 minutes for every tank truck loaded. The highest instantaneous pressure shall also be recorded and every loading position must be tested at least once during the Method 21 test. [40 CFR 60.503 and 60.505]
- L) The tank truck vapor tightness documentation required in 40 CFR 60.502(e) shall be updated at least once per year to reflect current test results as determined by EPA Method 27. This documentation shall include, as a minimum, the following and shall be kept on file at the facility in a permanent form available for inspection: [40 CFR 60.505(b)]
  - i. Test Title: Gasoline delivery tank pressure test - EPA reference Method 27
  - ii. Tank Owner and Address
  - iii. Tank Identification Number
  - iv. Test Location
  - v. Date of Test
  - vi. Tester Name and Signature
  - vii. Witnessing Inspector (if any): name, signature and affiliation
  - viii. Test Results: Actual pressure change in 5 minutes, mm of water (average for 2 runs)
- M) The permittee shall maintain records of each monthly leak inspection required by Specific Condition No. B.3.H) for at least 2 years. The records shall include, as a minimum, the following: [40 CFR 60.505(c)]
  - i. Date of Inspection
  - ii. Findings



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- iii. Leak Determination Method
  - iv. Corrective Action (Date each leak repaired; Reasons for repair interval in excess of 15 days)
  - v. Inspector Name and Signature
- N) Any test for the vapor collection system shall be at least 6 hours long during which at least 302,800 liters (80,000 gallons) of gasoline is loaded. If this is not possible, the test may be continued the same day until 300,000 liters of gasoline is loaded or the test may be resumed the next day with another complete 6-hour period. In the latter case, the 300,000-liter criterion need not be met. However, as much as possible, testing should be conducted during the 6-hour period in which the highest throughput normally occurs. [40 CFR 60.503(c)(1) and Rule 62-297.440(2)(b)1.a., F.A.C.]
- O) If the vapor collection system is intermittent in operation, the performance test shall begin at a reference vapor holder level and shall end at the same reference vapor holder level and shall end at the same reference point. The test shall include at least two startups and shutdowns of the vapor processor. If this does not occur under automatically controlled operations, the system shall be manually controlled. [40 CFR 60.503(c)(2)]
- P) The emission rate (E) of total organic compounds shall be computed using the following equation: [40 CFR 60.503(c)(3)]

$$E = K \sum_{i=1}^n (V_{esi} C_{ei}) / (L 10^6)$$

where:

- E = emission rate of total organic compounds, mg/liter of gasoline loaded.  
V<sub>esi</sub> = volume of air-vapor mixture exhausted at each interval "i", scm  
C<sub>ei</sub> = concentration of total organic compounds at each interval "i", ppm  
L = total volume of gasoline loaded, liters  
n = number of testing intervals  
i = emission testing interval of 5 minutes  
K = density of calibration gas, 1.83 x 10<sup>6</sup> for propane and 2.41 x 10<sup>6</sup> for butane, mg/scm

- Q) The test for the vapor collection system shall be conducted in intervals of 5 minutes. For each interval "i", readings from each measurement shall be recorded, and the volume exhausted (V<sub>esi</sub>) and the corresponding average total organic compound concentration (C<sub>i</sub>) shall be determined. The sampling system response time shall be considered in determining the average total organic compounds concentration corresponding to the volume exhausted. [40 CFR 60.503(c)(4)]
- R) To determine the volume (L) of gasoline dispensed during the test period at all loading racks whose vapor emissions are controlled by the processing system being tested, terminal records or readings from gasoline dispensing meters at each loading rack shall be used. [40 CFR 60.503(c)(7)]
- S) The permittee shall keep records of all replacements or additions of components performed on an existing vapor processing system for at least three years. [40 CFR 60.505(f)]

B.4. During periods of loading or unloading operations there shall be no reading greater than or equal to 100% of the lower explosive level (LEL) measured as propane at 1 in. (2.5 centimeters) around the perimeter of any potential leak as detected by a combustible gas detector. Testing shall be performed during loading or unloading operations with a combustible gas detector. [Rules 62-4.070(3) and 62-297.440(2)(b)2.a., F.A.C.]



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#### B. TRUCK LOADING RACK with VCU

B.5. Test the emissions from the truck loading equipment and the vapor combustion unit for VOC emissions annually, once per calendar year (January 1 – December 31). The VCU shall be tested while loading a gasoline/ethanol blend if ethanol has been loaded during the previous twelve month period. The volume (L) of liquid dispensed during the test period shall be determined at all loading racks whose vapor emissions are controlled by the processing system being tested. Two copies of the test data shall be submitted to the Air Management Division of the Environmental Protection Commission of Hillsborough County office within 45 days of such testing. [Rules 62-4.070(3) and 62-297.310(8)(b), F.A.C. and Permit No. 0570055-012-AC]

B.6. Compliance with the emission limitations of Specific Condition Nos. B.2. and B.3. shall be determined using EPA Methods 2A or 2B as appropriate, 21, 25A or 25B, and 27, as appropriate, contained in 40 CFR 60, Appendix A and adopted by reference. Source sampling and reporting shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A. [40 CFR 60.503(c)5]

B.7. The permittee shall monitor and record the temperature of the VCU during testing in order to provide reasonable assurance of compliance with the 35 mg/L VOC limit. The temperature data should be recorded at a minimum interval of five minutes. [Rule 62-4.070(3), F.A.C. and Permit No. 0570055-012-AC]

B.8. At least 15 days prior to the date on which each required emissions test is to begin, the permittee shall notify the Air Compliance Section of the Environmental Protection Commission of Hillsborough County (EPC). The notification shall include the date, time, place of each such test, Facility ID Number, Emission Unit ID Number(s) and description(s), Emission Point Number(s) and description(s), test method(s), pollutant(s) to be tested, along with the name and telephone number of the person who will be responsible for conducting such test(s) for the owner or operator. If a scheduled emissions test needs to be re-scheduled, the owner or operator shall submit to the Air Compliance Section of the EPC a revised notification at least seven days prior to the re-scheduled emissions test date or arrange a re-scheduled test date with the Air Compliance Section of the EPC by mutual agreement. [Appendix D, Rule 62-297.310(9), F.A.C.]

B.9. Testing of emissions must be accomplished in accordance with 40 CFR 60 Subpart XX - *Standards of Performance for Bulk Gasoline Terminals* and Rule 62-297.440, F.A.C. and as specified in Specific Condition No. B.3.N). Testing of the VCU shall be accomplished while loading gasoline and ethanol as specified in Specific Condition No. B.5. The permittee shall stop loading to any tanker truck which leaks at a level greater than defined in Specific Condition No. B.3. Testing shall be accomplished under the normal leak check program, and no special provisions shall be made on the date of the compliance test to exclude loading of leaking trucks. Testing shall be conducted just prior to any scheduled maintenance on the VCU. The percent of leaking trucks found on the test date and the recent maintenance records for the VCU shall be submitted with the test report. Failure to include the actual process rate in the results may invalidate the test. [40 CFR 60.503 and Rules 62-297.440(2)(b) and 62-4.070(3), F.A.C.]

B.10. Compliance with Specific Condition Nos. B.2. and B.3. shall be demonstrated through the use of a monthly recordkeeping system. The records shall be maintained onsite for three years and shall be made available to any local, state, or federal air pollution agency upon request. The records shall include, but not limited to, the following: [Rules 62-4.160(14)(b) and 62-4.070(3), F.A.C. and Permit No. 0570055-012-AC]

- A) Month, Year
- B) Throughput of each product, gallons
- C) Most recent twelve month rolling total of B) above
- D) Records as required by Specific Condition No. B.3.