**BP Products North America, Inc.**
**Facility ID No.: 0310179**
**Duval County**

**Initial Title V Air Operation Permit**
**PROPOSED Permit No.: 0310179-014-AV**

PERMITTING & COMPLIANCE AUTHORITY:
ENVIRONMENTAL AND COMPLIANCE DEPARTMENT
ENVIRONMENTAL QUALITY DIVISION
214 NORTH HOGAN STREET, 7TH FLOOR
JACKSONVILLE, FL 32202
TELEPHONE: (904) 255-7100
FAX: (904) 588-0518

# INITIAL TITLE V AIR OPERATION PERMIT

## PROPOSED Permit No.: 0310179-014-AV

## Table of Contents


**Section** **Page Number**

Placard Page……...1

I. Facility Information……...2 - 4

A. Facility Description.
B. Summary of Emissions Unit ID No(s). and Brief Description(s).
C. Relevant Documents.

II. Facility-wide Conditions……4 - 8

III. Emissions Unit(s) and Conditions……8 - 22

IV. Special Conditions for the BP North America, Inc. Bulk Gasoline Terminal.....23


| EU No. | EU Description, Terminal A |
|---|---|
| 011 | Petroleum Storage Tank Nos. 113 and 116 [NSPS, Subpart Kb] |
| 016 | Terminal A Tank Truck Loading System and Denatured Ethanol Loading System |
| 019 | Petroleum/Denatured Ethanol Storage Tank Nos. 102 through 105, and 109 through 112 [RACT] |
| 020 | Fixed Roof Petroleum Storage Tank Nos. 106, 108, 114, 115, and 117 |
| 022 | Marine Petroleum Loading System |
| 023 | Railcar Tanker Loading System |

| **EU No.** | **EU Description, Terminal B** |
|---|---|
| 024 | Terminal B Tank Truck Loading Rack |
| 026 | Petroleum Storage Tank No. 1 |
| 027 | Petroleum/Denatured Ethanol Storage Tank Nos. 2, 3, and 4 [RACT] |
| 028 | Petroleum/Denatured Ethanol Storage Tank No. 5 [NSPS, Subpart Ka] |

Additional Emission Units

| **EU No.** | **EU Description** |
|---|---|
| 030 | Fugitive VOC and Fugitive HAP Emissions |
| 032 | Emergency Diesel Engines |

Statement of Basis
Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers
Appendix CAM (Emission Unit Nos. 16 & 24)
Appendix H-1, Permit History
Appendix I-1, List of Insignificant Emissions Units and/or Activities
Appendix LR-1, Local Rule Index
Appendix SS-1, Stack Sampling Facilities
Appendix TV-6, Title V Conditions version dated 06/23/06
Appendix U-1, List of Unregulated Emission Units and/or Activities
Table 1-1, Summary of Air Pollutant Standards and Terms
Table 2-1, Summary of Compliance Requirements

**Permittee:**
BP Products North America, Inc.
2101 Zoo Parkway
Jacksonville, FL 32226

**PROPOSED Permit No.:** 0310179-014-AV
**Facility ID No.:** 0310179
**SIC Nos.:** 51
**Project:** Initial Title V Air Operation Permit

This permit is the Initial Title V Air Operation Permit, No. 0310179-014-AV. This permit is for the purpose of incorporating the applicable terms and conditions identified in Construction Permit No. 0310179-012-AC issued on April 8, 2010 and Construction Permit No. 0310179-013-AC issued on June 24, 2010. BP Products North America, Inc. is a bulk petroleum products storage and distribution terminal. This facility is located at 2101 Zoo Parkway, Jacksonville, Duval County, FL 32226; UTM Coordinates: Zone 17, 441.800 km East and 3364.630 km North; Latitude: 30° 24' 50" North and Longitude: 81° 36' 21" West.

This Title V Air Operation Permit is issued under the provisions of Chapter 403, Florida Statutes (FS) and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, Florida Administrative Code (FAC). 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 Environmental and Compliance Department, Environmental Quality Division (Permitting Authority) in accordance with the terms and conditions of this permit.

**Referenced attachments made a part of this permit:**

Statement of Basis
Appendix CAM (Emission Unit Nos. 16 & 24)
Appendix I-1, List of Insignificant Emissions Units and/or Activities
Appendix SS-1, Stack Sampling Facilities
Appendix TV-6, Title V Conditions version dated 06/23/06
Appendix U-1, List of Unregulated Emission Units and/or Activities

**Effective Date:**
**Renewal Application Due Date:**
**Expiration Date:**

**Environmental and Compliance Department**
**Environmental Quality Division**

_____
Vincent A. Seibold, P.E.
Division Chief

VAS/HDS

## Section I. Facility Information.

### Subsection A. Facility Description.

BP Products North America, Inc. is a bulk petroleum products storage and distribution terminal. Petroleum products (gasoline, diesel fuel, kerosene and jet fuel) and denatured ethanol are received from sea going vessels, railcar tankers and tanker trucks. These products are stored in the appropriate fixed or floating roof storage tanks. Gasoline, diesel fuel, denatured ethanol and jet fuel are then loaded into tanker trucks at one of the two tank truck loading rack systems. VOC and HAP emissions from these loading operations are controlled by use of either a carbon adsorption/absorption vapor recovery unit (VRU) or a vapor combustion unit (VCU). Distillates, denatured ethanol, and/or lower vapor pressure petroleum products can be loaded into marine vessels and railcar tankers. Petroleum contact water (PCW) from storm water and spills at the truck loading rack and from water draws from the gasoline and distillate storage tanks go to PCW tanks and is stored until it is shipped offsite for disposal.

New Emission Unit No. 031, Petroleum Contact Water (PCW), Tank Nos. 152 & 153 and Tank B, has been created and placed in Appendix U-1, List of Unregulated Emission Units and/or Activities. Tank Nos. 152 and 153 were originally under Emission Unit No. 021 and Tank B was originally under Emission Unit No. 029 in Construction Permit No. 0310179-013-AC. The PCW is comprised of spills and stormwater at the truck loading racks, wastewater from internal tank cleanings and tank water draws from the gasoline and distillate storage tanks. The PCW tanks have been renamed as follows: Petroleum Contact Water Tank No. 150 has been renamed Tank No. 152 and Petroleum Contact Water Tank No. 151 has been renamed Tank No. 153. Emission Unit Nos. 021 and 029 no longer exist. The miscellaneous tanks that were under Emission Units Nos. 021 and 029 are listed in Appendix I-1, List of Insignificant Emissions Units and/or Activities.

New Emission Unit No. 032, Emergency Diesel Engines, has been created and added to this permit. The engines are listed below.

| Description of Engine |
|---|
| 250 KW Cummins Emergency Generator |
| 500 KW Cummins Emergency Generator |
| 800 KW Cummins Emergency Generator |
| 175 HP Clarke Fire Pump |

This permit is the Initial Title V Air Operation Permit No. 0310179-014-AV. This permit is for the purpose of incorporating the applicable terms and conditions identified in Air Construction Permit No. 0310179-012-AC issued on April 8, 2010 and Air Construction Permit No. 0310179-013-AC issued on June 24, 2010.

Also included in this permit are miscellaneous unregulated and insignificant emission units and/or activities.

Emission Unit Nos. 016 and 024 are subject to Compliance Assurance Monitoring (CAM) requirements.

BP Products North America, Inc. is a major source of air pollution because the potential emissions of one or more individual criteria pollutants is greater than 100 tons per year pursuant to Chapter 62-210, FAC, and Rule 2.301, Jacksonville Environmental Protection Board (JEPB).

Based on the Initial Title V Permit application received June 20, 2011 this facility is not a major source of hazardous air pollutants (HAPs).

**Subsection B. Summary of Emission Unit (EU) ID Nos. and Brief Descriptions**

*****Note: More detailed descriptions and gross capacities of tanks are indicated under **Section III. Emission Units and Conditions.**

| EU No. | EU Description, Terminal A | Control Device |
|---|---|---|
| 011 | Petroleum Storage Tank Nos. 113 and 116 [NSPS, Subpart Kb] | Internal Floating Roof with primary mechanical shoe seal and secondary seal |
| 016 | Terminal A Tank Truck Loading System and Denatured Ethanol loading System | Jordan Model JT-9078-85340-700 Carbon Adsorption/Absorption Vapor Recovery Unit or Callidus, Inc. Vapor Combustion Unit (Backup) |
| 019 | Petroleum/Denatured Ethanol Storage Tank Nos. 102 through 105, and 109 through 112 [RACT] | Internal Floating Roofs |
| 020 | Fixed Roof Petroleum Storage Tank Nos. 106, 108, 114, 115, and 117 | *None |
| 022 | Marine Petroleum Loading System | None |
| 023 | Railcar Tanker Loading System | None |

| EU No. | EU Description, Terminal B | Control Device |
|---|---|---|
| 024 | Terminal B Tank Truck Loading Rack | Jordan Model JT-9078-85340-700 Carbon Adsorption/Absorption Vapor Recovery Unit or Callidus, Inc. Vapor Combustion Unit (Backup) |
| 026 | Petroleum Storage Tank No. 1 | None |
| 027 | Petroleum/Denatured Ethanol Storage Tank Nos. 2, 3, and 4 [RACT] | Tank No. 2 – Internal Floating Roof with mechanical shoe seal<br>Tank Nos. 3 and 4 - Internal Floating Roofs with mechanical shoe seal and rim mounted secondary seal |
| 028 | Petroleum/Denatured Ethanol Storage Tank No. 5 [NSPS, Subpart Ka] | Internal Floating Roof with mechanical shoe seal |

Additional Emission Units:

| EU No. | EU Description | Control Device |
|---|---|---|
| 030 | Fugitive VOC and Fugitive HAP Emissions | |
| 032 | Emergency Diesel Engines | |

**Subsection C. Relevant Documents.**

The documents listed below are not a part of this permit; however, they are specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:

Table 1-1, Summary of Air Pollutant Standards and Terms
Table 2-1, Summary of Compliance Requirements
Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers
Appendix H-1, Permit History
Appendix LR-1, Local Rule Index

These documents are on file with Permitting Authority

Non-Title V Air Operating Permit No. 0310179-007-AF, Revision No. 1
Non-Title V Air Construction Permit No. 0310179-012-AC
Title V Air Construction Permit No. 0310179-013-AC
Title V Permit Application received June 20, 2011

## Section II. Facility Wide Conditions

**The following conditions apply facility-wide:**

1. Appendix TV-6, Title V Conditions, is a part of this permit.
   Permitting Note: Appendix TV-6, Title V Conditions, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested or otherwise appropriate.

2. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions.
   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 Permitting Authority.
   [Rule 62-296.320(1), and Rule 2.1101, JEPB]

3. General Particulate Emission Limiting Standards. General Visible Emissions Standard.
   Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity) in accordance with Rule 62-296.320(4)(b)1., FAC, and Rule 2.1101, JEPB. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, FAC, and Rule 2.1201, JEPB.
   [Rule 62-296.320(4)(b)1., FAC, and Rule 2.1101, JEPB]

4. Stack sampling facilities and control equipment shall be provided with a method of access that is safe and readily accessible.
   [Rule 62-297.310(6), FAC, and Rule 2.1201, JEPB]

5. Excess emissions resulting from startup, shutdown, or malfunction of any emission unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Permitting Authority for longer duration. 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. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Permitting Authority in accordance with Rule 62-4.130, FAC and Rule 2.1401, JEPB. A full written report on the malfunctions shall be submitted to the Permitting Authority in a quarterly report, if requested by the Permitting Authority.
   [Rule 62-210.700, FAC, and Rule 2.301, JEPB]

6. Permittee shall notify the Permitting Authority fifteen (15) days prior to the date of each formal compliance test conducted for an emission unit.
   [Rule 62-297.310(7)(a)9., FAC, and Rule 2.1201, JEPB]

7. Testing of emissions shall be conducted with the Emissions Unit operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the permit. If it is impracticable to test at permitted capacity, then EU(s) may be tested at less than the maximum permitted capacity; in this case subsequent EU operation is limited to 110 percent of the test load until a new test is conducted. Once the EU is so limited, then operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the authority to operate at the permitted capacity in the permit.
   [Rule 62-297.310(2), FAC, and Rule 2.1201, JEPB]

8. Copies of the test report(s) shall be filed with the Permitting Authority within forty-five (45) days of completion of testing.
   [Rule 62-297.310(8)(b), FAC, and Rule 2.1201, JEPB]

9. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter emissions from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions include the following:

   a. Paving and maintenance of roads, parking areas and yards.
   b. Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
   c. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
   d. Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent re-entrainment, and from buildings or work areas to prevent particulate from becoming airborne.
   e. Landscaping or planting of vegetation.
   f. Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
   g. Confining abrasive blasting where possible.
   h. Enclosure or covering of conveyor systems.

   [Rule 62-296.320(4)(c)2. & 3., FAC, and Rule 2.1101, JEPB]

10. Prevention of Accidental Releases (Section 112(r) of CAA).

    a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:

    RMP Reporting Center
    Post Office Box 10162
    Fairfax, VA 22038
    Telephone: (703) 227-7650

    and,

    b. The permittee shall submit to the Permitting Authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), FAC.

    [40 CFR 68]

11. Annual Operation Report. Permittee shall submit an annual operating report to the Permitting Authority for all emissions units on the forms supplied for each calendar year by April 1 of the following year.
    [Rule 62-210.370(3), F.A.C. and Rule 2.301, JEPB]

12. Permit Renewal. For purposes of a permit renewal, a timely application is one that is submitted 225 days before the expiration of a permit that expires on or after June 1, 2009.
    [Rule 62-213.420(1)(a)2., F.A.C. and Rule 2.501, JEPB]

13. Notification of Startup. The owners or operator of any emissions unit or facility which has a valid air operation permit which has been shut down more than one year, shall notify the Permitting Authority in writing of the intent to start up such emissions unit or facility, a minimum of 60 days prior to the intended startup date.

    a. The notification shall include information as to the startup date, anticipated emission rates or pollutants released, changes to processes or control devices which will result in changes to emission rates, and any other conditions which may differ from the valid outstanding operation permit.
    b. If, due to an emergency, a startup date is not known 60 days prior thereto, the owner shall notify the Permitting Authority as soon as possible after the date of such startup is ascertained.

    [Rule 62-210.300(5), F.A.C. and Rule 2.301, JEPB]

14 Insignificant Emission Units and/or Activities, Appendix I-1, List of Insignificant Emission Units and/or Activities, is a part of this permit.
    [Rule 62-213.440(1), FAC, Rule 62-213.430(6), FAC, and Rule 62-4.040(1)(b), FAC; Rule 2.501, JEPB, and Rule 2.1401, JEPB]

15. Annual Emissions Fee Form and Fee. The annual Title V emissions fees are due (postmarked) by March 1st of each year. The completed form and calculated fee shall be submitted to: Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070. The forms are available for download by accessing the Title V Annual Emissions Fee On-Line Information Center at the following Internet web site: "http://www.dep.state.fl.us/air/emission/tvfee.htm".
    [Rule 62-213.205, FAC and Rule 2.501, JEPB]

16. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information.
[Rule 62-213.420(4), FAC., and Rule 2.501, JEPB]

17. Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., FAC, shall be submitted to the Permitting Authority and EPA within 60 (sixty) days after the end of the calendar year using DEP Form No. 62-213.900(7), FAC. {Permitting Note: This condition implements the requirements of Rules 62-213.440(3)(a)2. & 3., F.A.C. (see Condition 51. of Appendix TV-6, Title V Conditions)}
[Rules 62-213.440(3) and 62-213.900, FAC, and Rule 2.501, JEPB]

18. When appropriate, any recording, monitoring or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.
[Rule 62-213.440, FAC and Rule 2.501, JEPB]

19. Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency should be sent to:

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Air & EPCRA Enforcement Branch, Air Enforcement Section
61 Forsyth Street
Atlanta, GA 30303-8960
Telephone: (404) 562-9155
Fax: (404) 562-9163

20. The permittee shall submit reports of any required monitoring at least every six (6) months. All instances of deviations from permit requirements must be clearly identified in such reports. The permittee shall report in accordance with the requirements of Rule 62-210.700(6), FAC, Rule 62-4.130, FAC, Rule 2.301, JEPB, and Rule 2.1401, JEPB, deviations from permit requirements, including those attributable to upset conditions as defined in the permit. Reports shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All reports shall be accompanied by a certification by a responsible official, pursuant to Rule 62-213.420(4), FAC, and Rule 2.501, JEPB. Unless otherwise specified in **a permit, rule, or order;** reports shall cover the period of January through June (report due on or before September 1) and July through December (report due on or before March 1).
[Rule 62-213.440(1)(b)3., FAC, and Rule 2.501, JEPB]

21. The maximum throughput shall not exceed 450.0 x $10^6$ gallons per year of gasoline, aviation gasoline, denatured ethanol, and/or gasoline/denatured ethanol blends (12 month rolling total) and 260.0 x $10^6$ gallons per year of kerosene distillate oil (12 month rolling total).
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB and 0310179-005-AF]

22. By restricting petroleum product throughput, the potential and allowable emissions of hazardous air pollutants (HAP) are restricted to less than 10 TPY for any single HAP and to less than 25 TPY for total HAP(s). TPY shall be designated as any 12 consecutive month period. Monthly records of petroleum product throughput shall be maintained for a minimum period of five (5) years and shall be provided to the Permitting Authority upon request.
[Rule 62-210.200(PTE), FAC, Rule 2.301, JEPB, and 0310179-003-AF]

23. The permittee shall submit all compliance related notifications and reports required of this permit to:

Environmental and Compliance Department
Environmental Quality Division
214 North Hogan Street, 7th Floor
Jacksonville, FL 32202
Telephone: (904) 255-7100
Fax: (904) 588-0518

**The following Facility-wide conditions are not federally enforceable**

24. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. 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(2), FAC, and Rule 2.1101, JEPB.]

25. The facility shall be subject to the City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], and JEPB Rule 1 [Final Rules with Respect to Organization, Procedure, and Practice].

26. The facility shall be subject to JEPB Rule 2, Parts I through VII, and Parts IX through XIV.

## Section III. Emission Units and Conditions

**Note: The volumes of all tanks are the gross capacities of the tanks.**

### Emission Unit No. 011 – Petroleum/Denatured Ethanol Storage Tanks (Terminal A)

| | |
|---|---|
| Emission Unit Description: | Tank No. 113 (2,226,000 Gallons) and Tank No. 116 (3,124,968 Gallons) for the storage of gasoline, aviation gasoline, denatured ethanol, and/or gasoline/denatured ethanol blends or lower vapor pressure VOL products. |
| Control Device: | Internal Floating Roof with primary mechanical shoe seal and secondary seal |

**Essential Potential to Emit (PTE) Parameters**

1. This emissions unit (each vessel) is allowed to operate continuously, i.e., 8,760 hours per year (hrs/yr).
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

## Emission Limitations and Standards

2. 40 CFR 63, Subpart BBBBBB, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, and 40 CFR 63, Subpart A, General Provisions, Reporting Requirements, Notification Requirements, and Standards of Performance shall apply to the source described herein. (**Permitting Note: The owner or operator shall comply with the requirements of 40 CFR 63, Subpart BBBBBB by the applicable dates specified in 40 CFR 63.11083.)** [40 CFR 63, Subpart BBBBBB, Rule 62-204.800(11), FAC, and Rule 2.201, JEPB]

3. 40 CFR 60, Subpart Kb, Standards of Performance for Volatile Organic Liquid (VOL) Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984, shall apply to the emission unit described herein. Applicable portions of Subpart A, General Provisions shall apply to the emission unit described herein.
[40 CFR 60, Subpart Kb, 40 CFR 60.7, Rule 62.204.800, FAC, and Rule 2.201, JEPB]

4. Each fixed roof in combination with an internal floating roof shall meet the following specifications:

   (i) 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.

   (ii) Each internal floating roof shall be equipped with the following closure device (a mechanical shoe seal) between the wall of the storage vessel and the edge of the internal floating roof. The 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.

   (iii) Each opening in a non-contact 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.

   (iv) 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.

   (v) 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.

   (vi) 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.

   (vii) 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.

   (viii) 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.

(ix) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

[40 CFR 60.112b, Rule 62.204.800, FAC, and Rule 2.201, JEPB]

## Test Methods and Procedures

5. After installing the control equipment (internal floating roof), each owner or operator shall:

(i) 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 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 owner or operator shall repair the items before filling the storage vessel.

(ii) For vessels equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal 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 owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days. 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 Permitting Authority in the inspection report required in 40 CFR 60.115b(a)(3). Such a request for an 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.

(iii) Visually inspect the internal floating roof, the primary seal, 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 owner or operator 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 Specific Condition No. 5 (ii) above.

[40 CFR 60.113b, Rule 62.204.800, FAC, and Rule 2.201, JEPB]

## Monitoring of Operations

6. The owner or operator of this storage vessel shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be kept for the life of the storage vessel.
[40 CFR 60.116b(a), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

7. The owner or operator of this storage vessel 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 for the storage vessel.
[40 CFR 60.116b(c), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

8. The owner or operator of this storage vessel shall notify the Permitting Authority within 30 days when the maximum true vapor pressure of the liquid exceeds the maximum true vapor pressure value of 5.2 kilo pascals (kPa).
   [40 CFR 60.116b(d), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

9. The maximum true vapor pressure of the VOL shall be determined in accordance with the methods and procedures specified in 40 CFR 60.116b(e).
   [40 CFR 60.116b(e), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

**Notification, Recordkeeping, and Reporting**

10. Notify the Permitting Authority in writing at least 30 days prior to the filling or refilling of the storage vessel for which an inspection is required by paragraph (5)(i) and (5)(iii) above of this section to afford the Permitting Authority the opportunity to have an observer present. If the inspection required by paragraph (5)(iii) above of this section is not planned and the owner or operator could not have known about the inspection 30 days in advance of refilling the vessel, the owner or operator shall notify the Permitting Authority 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 Permitting Authority at least 7 days prior to the refilling.
    [40 CFR 60.113b, Rule 62.204.800, FAC, and Rule 2.201, JEPB]

11. The owner or operator of this storage vessel shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of this emission unit.
    [40 CFR 60.7(b), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

12. The owner or operator shall keep a record of each inspection performed as required by 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).
    [40 CFR 60.115b, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

13. If any of the conditions described in 40 CFR 60.113b(a)(2) are detected during the annual visual inspection required by 40 CFR 60.113b(a)(2), a report shall be furnished to the Permitting Authority 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.
    [40 CFR 60.115b, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

14. Records required by 40 CFR 60.7(f) shall be retained in a permanent form for a minimum period of two years, unless otherwise specified.
    [40 CFR 60.7(f), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

**Emission Unit No. 016 - Terminal A Tank Truck Loading System**

| | |
|---|---|
| Emission Unit Description: | 4 Bay Tank Truck Loading System loading gasoline, aviation gasoline, denatured ethanol, and/or gasoline/denatured ethanol blends or lower vapor pressure VOL products |
| Control Device(s): | Jordan Model JT-9078-8540-700 Carbon Adsorption/Absorption Vapor Recovery Unit (VRU) – located at Terminal A or Callidus, Inc. Vapor Combustion Unit [VCU (Backup)] – located at Terminal B. |

## Essential Potential to Emit (PTE) Parameters

1. This emission unit is allowed to operate continuously, i.e., 8,760 hrs/yr.
   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

## Emission Limitations and Standards

2. 40 CFR 63, Subpart BBBBBB, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, and 40 CFR 63, Subpart A, General Provisions, Reporting Requirements, Notification Requirements, and Standards of Performance shall apply to the source described herein. (**Permitting Note: The owner or operator shall comply with the requirements of 40 CFR 63, Subpart BBBBBB by the applicable dates specified in 40 CFR 63.11083.)**
   [40 CFR 63, Subpart BBBBBB, Rule 62-204.800(11), FAC, and Rule 2.201, JEPB]

3. The maximum throughput rate shall not exceed 135,000 gallons per hour of gasoline, aviation gasoline, denatured ethanol and gasoline/denatured ethanol blends combined. This throughput rate applies when the VRU is only servicing gasoline, aviation gasoline, denatured ethanol, and gasoline/denatured ethanol blend vapors generated from EU 016 directly (non bladder tank mode).
   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

4. Total organic compounds (TOC) emissions shall not exceed 20 milligrams TOC per liter of gasoline, aviation gasoline, denatured ethanol, and gasoline/denatured ethanol blends loaded from the VRU or the VCU at the applicant's request. The gasoline, aviation gasoline, denatured ethanol, and/or gasoline/denatured ethanol blends loading operational rate shall not exceed the manufacturer's maximum design rate.

   Gasoline, aviation gasoline, denatured ethanol, and gasoline/denatured ethanol blends shall not be loaded into tank trucks unless the vapors are vented to the **non full** vapor holding tank, the operating VRU, or the operating VCU. Distillate products may be loaded into tank trucks (which on the previous load did not carry gasoline, aviation gasoline, denatured ethanol, and/or gasoline/denatured ethanol blend) without being vented to the vapor holding tank, the VRU, or the VCU.
   [0310179-005-AF, Rule 62-296.510, FAC, and Rule 2.1101, JEPB]

## Recordkeeping and Reporting Requirements

5. Monthly records of the quantity of each product loaded shall be recorded. Records shall be maintained for a minimum period of five (5) years. Records shall be provided to the Permitting Authority upon request.
   [Rule 62-296.510, FAC, and Rule 2.1101, JEPB]

## Test Methods and Procedures

6. The terminal owner/operator must ensure that each truck's vapor collection system is connected to the terminal's vapor collection system during loading of the tank truck (with gasoline, aviation gasoline, denatured ethanol, and/or gasoline/denatured ethanol blend) and is vapor tight.
   [Rule 62-296.510(3), FAC, and Rule 2.1101, JEPB]

7. Compliance testing shall be conducted on the potential sources of vapor leakage in the vapor collection system and the tank truck during the compliance test required by S.C. No. 8.
   [Rule 62-296.510(4), FAC, and Rule 2.1101, JEPB]

8. Test Methods shall be EPA RM 21 and EPA RM 27 (40 CFR 60, Appendix A, adopted by reference in Rule 62-297, FAC, and Rule 2.1201, JEPB, as applicable. Testing shall also be conducted in accordance with Rule 62-297.440(2)(b)2.a., FAC, and Rule 2.1201, JEPB.

9. Testing for demonstration of compliance at the VRU/VCU shall be performed in accordance with EPA Reference Method 2A, 2B, 25A/25B, (as described in 40 CFR 60, Appendix A) for the VOC concentration. Testing shall also be conducted in accordance with Rule 62-297.440(2)(b)1.a., FAC, and Rule 2.1201, JEPB.

10. Compliance testing shall be performed annually (except 2011) from the date of July 1, 2011 on the Jordan VRU. Permit renewal testing shall be conducted on the Callidus, Inc. VCU on or about the date of July 1, 2016 in lieu of the 2016 annual test on the Jordan VRU.
[Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

11. The permittee shall provide a means to prevent liquid waste from the loading device to exceed the quantity specified for the self sealing coupler or adaptor according to API regulation RP 1004 (or equivalent) upon the loading device being disconnected or when it isn't in use.
[Rule 62-296.510(3)(b), FAC, and Rule 2.1101, JEPB]

## Compliance Assurance Monitoring

12. This emission unit is subject to the CAM requirements contained in the attached Appendix CAM. Failure to adhere to the monitoring requirements specified does not necessarily indicate an exceedance of a specific emissions limitation; however, it may constitute good reason to require compliance testing pursuant to Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB.
[40 CFR 64; and, Rules 62-204.800 and 62-213.440(1)(b)1.a., FAC, and Rules 2.201 and 2.501, JEPB]

## Emission Unit No. 019 – Eight (8) Petroleum/Denatured Ethanol Storage Tanks (Terminal A)

| | |
|---|---|
| Emission Unit Description: | Tanks Nos. 102 – 105 and Tank Nos. 109 – 112. Tank Nos. 102 (625,380 Gallons), Tank 103 (625,380 Gallons), Tank 104 (625,380 Gallons), Tank 105 (1,041,600 Gallons), Tank 109 (3,339,000 Gallons), Tank 110 (1,879,920 Gallons), Tank 111 (5,227,320 Gallons), and Tank 112 (5,226,900 Gallons) for the storage of gasoline, aviation gasoline, denatured ethanol, and/or gasoline/denatured ethanol blends or lower vapor pressure VOL products. |
| Control Device(s): | Internal Floating Roof |

## Essential Potential to Emit (PTE) Parameters

1. This EU shall be allowed to operate continuously, i.e., 8,760 hrs/yr.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

## Emission Limitations and Standards

2. 40 CFR 63, Subpart BBBBBB, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, and 40 CFR 63, Subpart A, General Provisions, Reporting Requirements, Notification Requirements, and Standards of Performance shall apply to the source described herein. (**Permitting Note: The owner or operator shall comply with the requirements of 40 CFR 63, Subpart BBBBBB by the applicable dates specified in 40 CFR 63.11083.)**
[40 CFR 63, Subpart BBBBBB, Rule 62-204.800(11), FAC, and Rule 2.201, JEPB]

3. Reasonably Available Control Technology (RACT) requirements including **Volatile Organic Compounds (VOC) and Nitrogen Oxides (NOx) Emitting Facilities** [Rule 62-296.500(1 & 2), FAC, and Rule 2.1101, JEPB]; and **Petroleum Liquid Storage** [Rule 62-296.508, FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

4. These fixed roof gasoline storage tanks with internal floating roofs shall be subject to control technologies and operation requirements as specified in Rule 62-296.508, FAC, and Rule 2.1101, JEPB. When distillate and other lower vapor petroleum products are stored in these storage tanks they shall be subject to Rule 62-296.320(1)(a), FAC, and Rule 2.1101, JEPB.

**Test Methods and Procedures**

5. VOC testing shall be conducted in accordance with Page 6-2 of EPA document 450/2-77-036. Compliance testing shall be performed annually. Internal Floating Roof and Roof Seals VOC testing shall be conducted by visual inspection of the floating cover through the roof hatches. The cover should be uniformly floating on or above the liquid, there should be no visible defects in the surface of the cover or liquid accumulated on the cover. The seal must be intact and uniformly in place around the circumference of the cover between the cover and the tank wall.

   Testing requirements do not apply to these storage tanks when distillate or other lower vapor pressure petroleum products are stored.
   [Rule 62-296.508(3)(a), FAC, Chapter 62-297, FAC; Rule 2.1101, JEPB, and Rule 2.1201, JEPB]

**Record-keeping and Reporting Requirements**

6. Testing (inspection results) shall be maintained for a period of five (5) years and shall be made available to the Permitting Authority upon request.
   [Rule 62-4.070, FAC, and Rule 2.1401, JEPB]

**Emission Unit No. 020 – Fixed Roof Petroleum Storage Tanks (Terminal A)**

Emission Unit Description: Tank No. 106 (635,964 Gallons), Tank No. 108 (3,371,340 Gallons), Tank No. 114 (3,370,920 Gallons), Tank No. 115 (3,369,660 Gallons), and Tank No. 117 (3,382.680 Gallons) - Petroleum Distillates (lower vapor pressure VOL products).

**Essential Potential to Emit (PTE) Parameters**

1. This emission unit is allowed to operate continuously, i.e., 8,760 hrs/yr.
   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

2. Petroleum products stored in these tanks are distillate fuel oils such as Kerosene, No. 2 fuel oil, and other lower vapor pressure petroleum products.
   [Rule 62-296.320(1), FAC, and Rule 2.1101, JEPB]

**Emission Unit No. 022 – Marine Petroleum Loading System (Terminal A)**

Emission Unit Description: Loading of marine vessels with kerosene or lower vapor pressure petroleum product.

**Essential Potential to Emit (PTE) Parameters**

1. This emission unit is allowed to operate continuously, i.e., 8,760 hrs/yr.
   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

2. The marine vessel loading operation shall not be subject to the National Emission Standards for Marine Tank Vessel Tank Loading Operations [40 CFR 63, Subpart Y] since the Marine Tank Vessels Tank Loading Operation is not a major source.

**Emission Limitations and Standards**

3. Loading of Marine vessels with petroleum products shall be limited annually (12 month rolling total) as follows:

| Petroleum Product | Annual Limit |
|---|---|
| Kerosene or lower vapor pressure petroleum product | 10.0 million gallons |

[Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

**Recordkeeping and Reporting Requirements**

4. Monthly records of the marine loading operation throughput shall be kept and maintained for a minimum period of five (5) years. Records shall be provided to the Permitting Authority upon request.
   [Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

**Emission Unit No. 023 - Railcar Tanker Loading System (Terminal A)**

Emission Unit Description: Loading of railcars with kerosene or lower vapor pressure petroleum product.

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously; i.e. 8,760 hrs/yr.
   [Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

2. Loading of railcar tankers with petroleum products shall be limited annually (12 month rolling total) as follows:

| Petroleum Product | Annual Limit |
|---|---|
| Kerosene or lower vapor pressure petroleum product | 45.0 million gallons |

[Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

**Recordkeeping and Reporting Requirements**

3. Monthly records of the railcar loading operation throughput shall be kept and maintained for a minimum period of five (5) years. Records shall be provided to the Permitting Authority upon request.
   [Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

**Emission Unit No. 024 - Tank Truck Loading Rack (Terminal B)**

Emission Unit Description: Tank Truck Loading System loading gasoline, aviation gasoline, and/or gasoline/denatured ethanol blends or lower vapor pressure VOL products.

Control Device: Jordan Model JT-9078-8540-700 Carbon Adsorption/Absorption Vapor Recovery Unit (VRU) – located at Terminal A or Callidus, Inc. Vapor Combustion Unit [VCU (Backup)] – located at Terminal B.

**Essential Potential to Emit (PTE) Parameters**

1. This emissions unit is allowed to operate continuously, i.e., 8,760 hrs/yr.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

2. 40 CFR 63, Subpart BBBBBB, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, and 40 CFR 63, Subpart A, General Provisions, Reporting Requirements, Notification Requirements, and Standards of Performance shall apply to the source described herein. (**Permitting Note: The owner or operator shall comply with the requirements of 40 CFR 63, Subpart BBBBBB by the applicable dates specified in 40 CFR 63.11083.)**
[40 CFR 63, Subpart BBBBBB, Rule 62-204.800(11), FAC, and Rule 2.201, JEPB]

3. 40 CFR 60, Subpart XX, Standards of Performance for Bulk Gasoline Terminals, and 40 CFR 60, Subpart A, General Provisions, Reporting Requirements, Notification Requirements, and Standards of Performance shall apply to the source described herein.
[Rule 40 CFR 60.1 & 60.500, Rule 62-204.800(7), FAC, and Rule 2.201, JEPB]

4. The maximum throughput shall not exceed 90,000 gallons per hour of gasoline, aviation gasoline, and gasoline/denatured ethanol blends. The gasoline, aviation gasoline, gasoline/denatured ethanol blends loading operational rate shall not exceed the manufacturer's maximum design rate. This throughput rate applies when the VCU is only servicing gasoline, aviation gasoline, gasoline/denatured ethanol blends vapors generated from EU 024 directly (non-bladder tank mode).
[Rule 62-210.200(PTE), FAC, Rule 2.301, JEPB]

5. Total organic compounds (TOC) emissions shall not exceed 20 milligrams TOC per liter of gasoline, aviation gasoline, and gasoline/denatured ethanol blends loaded from the VRU or the VCU at the applicant's request. The gasoline, aviation gasoline, and gasoline/denatured ethanol blends loading operational rate shall not exceed the manufacturer's maximum design rate.

   Gasoline, aviation gasoline, gasoline/denatured ethanol blends shall not be loaded into tank trucks unless the vapors are vented to the **non full** vapor holding tank, the operating VRU, or the operating VCU. Distillate products may be loaded into tank trucks (which on the previous load did not carry gasoline, aviation gasoline, denatured ethanol, and/or gasoline/denatured ethanol blend) without being vented to the vapor holding tank, the VRU, or the VCU.
[0310179-005-AF, Rule 40 CFR 60.502(b), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

## Test Methods and Procedures

6. Testing for the demonstration of compliance shall be performed in accordance with EPA Reference Method (RM) 25A/25B (as described in 40 CFR 60, Appendix A) for total organic compounds.
[Rule 40 CFR 60.503, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

7. Specific testing requirements for vapor collection systems and tank trucks shall be as follows:

| | Specific Testing Required | Applicable Rule | Test Method |
|---|---|---|---|
| A. | Vapor collection and liquid equipment gauge pressure during product loading | 40 CFR 60.502(h) | 40 CFR 60.503(d) |
| B. | Potential sources of vapor leakage in vapor collection system | 40 CFR 60.503(b) | EPA RM 21 |
| C. | Gasoline tank truck tightness* | 40 CFR 60 502(e) and 40 CFR 60.505 | EPA RM 27 |
| | *To be performed by tank truck owner/operator | | |
| D. | Vapor collection system, vapor processing system, and loading rack(s) shall be inspected for TOC liquid or vapor leaks | 40 CFR 60.502(j) | Sight, sound, or smell detection method |

Item B testing shall be conducted immediately prior to testing Item A. Item B and A testing shall be conducted immediately prior to testing required in Specific Condition No. 7 below. Item D testing shall be conducted monthly.

8. Testing for TOC shall be conducted annually (except in 2011) from the date of July 1, 2011 on the Jordan VRU. Permit renewal testing for TOC shall be conducted on the Callidus, Inc. VCU on or about the date of July 1, 2016 in lieu of the 2016 annual test on the Jordan VRU.
[Rule 40 CFR 60.503, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

9. Testing for the demonstration of compliance shall be performed in accordance with 40 CFR 60.503.
[Rule 40 CFR 60.503, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

## Monitoring of Operations

10. The terminal owner/operator must ensure that each truck's vapor collection system is connected to the terminal vapor collection system during loading of the tank trucks.
[40 CFR 60.502(g), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

## Compliance Assurance Monitoring

11. This emission unit is subject to the CAM requirements contained in the attached Appendix CAM. Failure to adhere to the monitoring requirements specified does not necessarily indicate an exceedance of a specific emissions limitation; however, it may constitute good reason to require compliance testing pursuant to Rule 62-297.310(7)(b), FAC, and Rule 2.1201, JEPB.
[40 CFR 64; and, Rules 62-204.800 and 62-213.440(1)(b)1.a., FAC, and Rules 2.201 and 2.501, JEPB]

**Recordkeeping and Reporting Requirements**

12. Records of gasoline tank truck loadings shall be kept in accordance with procedures found in 40 CFR 60.502(e).
[40 CFR 60.505, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

13. Records of control device operation shall be maintained for a minimum of two (2) years and made available to the Permitting Authority upon request.
[40 CFR 60.505, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

14. Reporting and recordkeeping shall be as follows:

| | Record | Applicable Rule |
|---|---|---|
| A. | Tank truck vapor tightness tests shall be kept on file | 40 CFR 60.505(a), (c), and (e) |
| B. | Each tank truck file shall be updated annually | 40 CFR 60.505(b) |
| C. | Monthly leak checks shall be kept on file at the terminal | 40 CFR 60.505(c) and (e) |
| D. | Notifications to owner/ operator of each non-vapor tight truck shall be kept on file at the terminal | 40 CFR 60.505(d) and (e) |

[40 CFR 60.505, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

15. The owner or operator of an affected emission unit shall keep records of all replacements or additions of components performed on an existing vapor processing system for at least 3 years.
[40 CFR 60.505(f), Rule 62-204.800, FAC, and Rule 2.201, JEPB]

**Emission Unit No. 026 – Petroleum Storage Tank No. 1 (Terminal B)**

Emissions Unit Description: Tank No. 1 (2,284,422 gallons) - kerosene or lower vapor pressure petroleum products.

**Essential Potential to Emit (PTE) Parameters**

1. This emissions unit is allowed to operate continuously, i.e., 8,760 hrs/yr.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

2. The permittee shall allow no person to store, pump, handle, process, load, unload, or use in any installation, VOC or OS without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Permitting Authority shall apply to Tank No. 1.
[Rule 62-296.320(1)(a), FAC, and Rule 2.1101, JEPB]

**Emission Unit No. 027 - Petroleum Storage Tank Nos. 2, 3, and 4 [RACT] (Terminal B)**

| | |
|---|---|
| Emission Unit Description: | Tank No. 2 (1,344,000 gallons), Tank No. 3 (2,492,238 gallons), and Tank No. 4 (2,490,600 gallons) for the storage of gasoline, aviation gasoline, denatured ethanol, and/or gasoline/denatured ethanol blend, or lower vapor pressure VOL products. |
| Control Device Description: | Internal floating roofs |

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously, i.e., 8,760 hrs/yr.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

2. 40 CFR 63, Subpart BBBBBB, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, and 40 CFR 63, Subpart A, General Provisions, Reporting Requirements, Notification Requirements, and Standards of Performance shall apply to the source described herein. (**Permitting Note: The owner or operator shall comply with the requirements of 40 CFR 63, Subpart BBBBBB by the applicable dates specified in 40 CFR 63.11083.)**
[40 CFR 63, Subpart BBBBBB, Rule 62-204.800(11), FAC, and Rule 2.201, JEPB]

3. Reasonably Available Control Technology (RACT) requirements including **Volatile Organic Compounds (VOC) and Nitrogen Oxides (NOx) Emitting Facilities** [Rule 62-296.500(1 & 2), FAC, and Rule 2.1101, JEPB]; and **Petroleum Liquid Storage** [Rule 62-296.508, FAC, and Rule 2.1101, JEPB] shall apply to this emission unit.

4. These fixed roof gasoline storage tanks with internal floating roofs shall be subject to control technologies and operation requirements as specified in Rule 62-296.508, FAC, and Rule 2.1101, JEPB. When distillate and other lower vapor petroleum products are stored in these storage tanks they shall be subject to Rule 62-296.320(1)(a), FAC, and Rule 2.1101, JEPB.

**Test Methods and Procedures**

5. VOC testing shall be conducted in accordance with Page 6-2 of EPA document 450/2-77-036. Compliance testing shall be performed annually. Internal Floating Roof and Roof Seals VOC testing shall be conducted by visual inspection of the floating cover through the roof hatches. The cover should be uniformly floating on or above the liquid, there should be no visible defects in the surface of the cover or liquid accumulated on the cover. The seal must be intact and uniformly in place around the circumference of the cover between the cover and the tank wall.

   Testing requirements do not apply to these storage tanks when distillate or other lower vapor pressure petroleum products are stored.
[Rule 62-296.508(3)(a), FAC, Chapter 62-297, FAC; Rule 2.1101, JEPB, and Rule 2.1201, JEPB]

**Record-keeping and Reporting Requirements**

6. Testing (inspection results) shall be maintained for a period of five (5) years and shall be made available to the Permitting Authority upon request.
[Rule 62-4.070, FAC, and Rule 2.1401, JEPB]

**Emission Unit No. 028 – Petroleum Storage Tank No. 5 [NSPS] (Terminal B)**

Emission Unit Description: Tank No. 5 (2,181,144 Gallons) - gasoline, aviation gasoline, denatured ethanol, and/or gasoline/denatured ethanol blend or lower vapor pressure VOL products.

Control Device Description: Internal floating roof

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously, i.e., 8760 hrs/yr.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

2. 40 CFR 63, Subpart BBBBBB, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, and 40 CFR 63, Subpart A, General Provisions, Reporting Requirements, Notification Requirements, and Standards of Performance shall apply to the source described herein. (**Permitting Note: The owner or operator shall comply with the requirements of 40 CFR 63, Subpart BBBBBB by the applicable dates specified in 40 CFR 63.11083.)**
[40 CFR 63, Subpart BBBBBB, Rule 62-204.800(11), FAC, and Rule 2.201, JEPB]

3. 40 CFR 60, Subpart Ka, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction Reconstruction, or Modification Commenced after May 18, 1978, and prior to July 23, 1984, and Subpart A, General Provisions reporting requirements, notification requirements, and standards of performance, shall apply to the emission unit described herein.

4. This emissions unit shall comply with all provisions for emissions control as described in 40 CFR 60.112a(a)(2).
[40 CFR 60.112a, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

**Monitoring of Operations**

5. Monitoring of operations for this emissions unit shall be in accordance with 40 CFR 60.115a.
[40 CFR 60.115a, Rule 62-204.800, FAC, and Rule 2.201, JEPB]

**Emission Unit No. 030 - Fugitive VOC and Fugitive HAP Emissions**

Emission Unit Description: Facility wide miscellaneous fugitive emissions from the pumps, valves & fittings, flanges, truck loading racks, and roof landings.
Note: The roof landings emissions are reported in the Annual Operating Report under the appropriate emission unit for any gasoline tank which was landed during the reporting year.

**Essential Potential to Emit (PTE) Parameters**

1. This EU shall be allowed to operate continuously, i.e., 8,760 hrs/yr.
[Rule 62-210.200(PTE), FAC, and Rule 2.301, JEPB]

**Emission Limitations and Standards**

2. 40 CFR 63, Subpart BBBBBB, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, and 40 CFR 63, Subpart A, General Provisions, Reporting Requirements, Notification Requirements, and Standards of Performance shall apply to the source described herein. (**Permitting Note: The owner or operator shall comply with the requirements of 40 CFR 63, Subpart BBBBBB by the applicable dates specified in 40 CFR 63.11083.)**
   [40 CFR 63, Subpart BBBBBB, Rule 62-204.800(11), FAC, and Rule 2.201, JEPB]

**Record-keeping and Reporting Requirements**

3. Annual records of fugitive VOC and fugitive HAP emissions shall be calculated. Records and calculations shall be maintained for a period of five (5) years and shall be provided to the Permitting Authority upon request.
   [Rule 62-4.070, FAC, and Rule 2.1401, JEPB]

**Emission Unit No. 032 – Emergency Diesel Engines**

Emission Unit Description – Three (3) emergency generators and one (1) fire pump.

| Description of Engine | Year Built | Displacement/ Horsepower | Rule Applicability |
|---|---|---|---|
| 250 KW Cummins Emergency Generator | 2010 | 1.5 Liters/Cylinder & 399 HP | 40 CFR Part 60, Subpart IIII |
| *500 KW Cummins Emergency Generator | 2009 | 2.5 Liters/Cylinder & 755 HP | 40 CFR Part 60, Subpart IIII |
| 800 KW Cummins Emergency Generator | 2010 | 2.5 Liters/Cylinder & 1490 HP | 40 CFR Part 60, Subpart IIII |
| 175 HP Clarke Fire Pump | 2007 | 1.1 Liters/Cylinder & 175 HP | 40 CFR Part 60, Subpart IIII |

*** The 500 KW Cummins Emergency Engine is rated at 755 HP. This converts to 563 KW for use in determining allowable emissions for that engine.**

The engines listed above are currently demonstrating compliance with the emissions limitations of the applicable federal rule through the retention of a manufacturer's certification statement. So long as that certification is able to be retained, no additional compliance demonstration is required. At such time that the manufacturer's certification is no longer valid (i.e. due to operation or maintenance practices that are inconsistent with the manufacturer's recommendations), the permittee shall begin demonstrating compliance with the standards listed in the applicable federal rule in a manner that is prescribed by that rule.

**Emission Limitations and Standards**

1. 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines and 40 CFR 60, Subpart A, General Provisions shall apply to the engines of this emission unit.

2. The engines in this emission unit shall not exceed the following standards of non-methane hydrocarbon + $NO_X$, carbon monoxide, and particulate matter:

| Engine | Non-Methane Hydrocarbon + $NO_x$ | CO | PM |
|---|---|---|---|
| 250 KW Cummins Emergency Generator | 4.0 Grams/kW-Hr | 3.5 Grams/kW-Hr | 0.20 Grams/kW-Hr |
| 500 KW Cummins Emergency Generator | 6.4 Grams/kW-Hr | 3.5 Grams/kW-Hr | 0.20 Grams/kW-Hr |
| 800 KW Cummins Emergency Generator | 6.4 Grams/kW-Hr | 3.5 Grams/kW-Hr | 0.20 Grams/kW-Hr |
| 175 HP (130.5 KW) Clarke Fire Pump | 10.5 Grams/kW-Hr | 3.5 Grams/kW-Hr | 0.54 Grams/kW-Hr |

3. Beginning October 1, 2010, owners and operators of stationary combustion ignition internal combustion engines subject to 40 CFR 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines with a displacement of less than 30 liters per cylinder that use diesel fuel must purchase diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. The sulfur content for nonroad diesel fuel shall not exceed 15 ppm, the nonroad diesel cetane index shall not be less than 40 and the aromatic content shall not exceed 35 volume percent.
[40 CFR 60.4207, Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

## Monitoring Requirements

4. If you are the owner or operator of an emergency stationary combustion ignition internal combustion engine that does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine.
[40 CFR 60.4209(a), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

5. The owner or operator must operate the stationary combustion ignition internal combustion engines and control devices according to the manufacturer/s emission-related written instructions.
[40CFR 60.4211(a)(1), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

6. Maintenance checks and readiness testing of emergency stationary combustion ignition internal combustion engines is limited to 100 hours per year. These engines may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing.
[40 CFR 60.4211(f), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

## Recordkeeping and Reporting Requirements

7. If the stationary combustion ignition internal combustion engine is equipped with a diesel particulate filter, the owner or operator must keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high back pressure limit of the engine is approached.
[40 CFR 60.4214(c), Rule 62-204.800(8), FAC and Rule 2.201, JEPB]

8. Records shall be maintained for the hours of operation of the stationary combustion ignition internal combustion engines for maintenance checks and readiness. In addition, records shall be maintained for non-emergency engine usage. These records shall be kept and maintained for a minimum period of five (5) years. Records shall be provided to the Permitting Authority upon request.
[Rule 62-4.070(3), FAC, and Rule 2.1401, JEPB]

## Section IV. Special Conditions for the BP North America, Inc. Bulk Gasoline Terminal

1. BP Products North America, Inc. shall be subject to the following provisions of 40 CFR 63, Subpart R, National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations: 40 CFR 63. 420(a), 40 CFR 63. 420(c), and 40 CFR 63.428(i).

2. The permittee shall operate the facility such that none of the facility parameters used to calculate results under paragraph (a)(1) of 40 CFR 63.420 are exceeded in any rolling 30 day period. These parameters are the parameters provided in the additional information dated June 17, 2011. The permittee shall perform the requirements of 40 CFR 63. 428(i) [all of which shall be available for public inspection] as follows:

   (1) Document and report to the Permitting Authority the methods, procedures and assumptions supporting the calculations for determining criteria in 40 CFR 63.420(c). Note: Fulfilled by above referenced information dated June 17, 2011.

   (2) Maintain records to document that the facility parameters established under 40 CFR 63.420(c) have not been exceeded.

   (3) Report annually (on or before May 1, 2009 for calendar year 2008 and on or before April 1 for subsequent years) to the Permitting Authority that the facility parameters established under 40 CFR 63.420(c) have not been exceeded.

   (4) At any time prior to the above referenced parameter(s) being exceeded the permittee may submit a report to request modification of any facility parameter to the Permitting Authority for approval. Each such request shall document any expected HAP emission change resulting from the change in parameter.

   [40 CFR 63. 420(a), 40 CFR 63. 420(c), and 40 CFR 63.428(i), Rule 62-204.800, FAC, and Rule 2.201, JEPB]