

Connecticut Department of
**ENERGY &
 ENVIRONMENTAL
 PROTECTION**

**BUREAU OF AIR MANAGEMENT
 TITLE V OPERATING PERMIT**

Issued pursuant to Title 22a of the Connecticut General Statutes (CGS) and Section 22a-174-33 of the Regulations of Connecticut State Agencies (RCSA) and pursuant to the Code of Federal Regulations (CFR), Title 40, Part 70.

Title V Permit Number	117-0262-TV
Client/Sequence/Town/Premises Numbers	8494/02/117/519
Date Issued	February 28, 2024
Expiration Date	February 28, 2029

Corporation:

Buckeye PT Terminals, L.P.


Premises Location:

New Haven Waterfront Terminal
 280 Waterfront Street, New Haven, CT 06512

Name of Responsible Official and Title:

Stephen Wing, Senior Operations Manager

All the following attached pages, 2 through 61, are hereby incorporated by reference into this Title V permit.


 Katherine S. Dykes
 Commissioner

February 28, 2024
 Date

for

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Title V Operating Permit

All conditions in Sections III, IV, and VI of this Title V permit are enforceable by both the Administrator and the commissioner unless otherwise specified. Applicable requirements and compliance demonstration are set forth in Section III of this Title V permit. The Administrator or any citizen of the United States may bring an action to enforce all permit terms or conditions or requirements contained in Sections III, IV, and VI of this Title V permit in accordance with the Clean Air Act, as amended.

LIST OF ABBREVIATIONS/ACRONYMS

<i>Abbreviation/Acronym</i>	<i>Description</i>
AST	Aboveground Storage Tanks
ASTM	American Society of Testing and Materials
CO	Carbon Monoxide
CDX	Central Data Exchange
CFR	Code of Federal Regulations
CEDRI	Compliance and Emissions Data Reporting Interface
CI	Compression Ignition
CGS	Connecticut General Statutes
CEMS	Continuous Emission Monitoring System
CMS	Continuous Monitoring System
°F	Degree Fahrenheit
EOP	Emergency Preparedness and Operations
EU	Emissions Unit
EPA	Environmental Protection Agency
FR	Federal Register
gal	Gallons
g	gram
GEU	Grouped Emissions Unit
HAP	Hazardous Air Pollutant
hp	Horsepower
hr	Hour
ICE	Internal Combustion Engine
KW	Kilowatt
l	Liter
MSDS	Material Safety Data Sheets
MACT	Maximum Achievable Control Technology
mg	Milligram
mm	Millimeter
MMBtu	Million British Thermal Units
MMgal	Million Gallons
MTBE	Methyl Tertbutyl Ether
NSPS	New Source Performance Standard
NO _x	Nitrogen Oxides
NMHC	Non Methane Hydro Carbon
NERC	North American Electric Reliability Corporation
O&M	Operation and Maintenance
PM	Particulate Matter
ppm	Parts per million
psi	Pounds per Square Inch
psia	Pounds per Square Inch Absolute
RVP	Reid Vapor Pressure
RCSA	Regulations of Connecticut State Agencies

LIST OF ABBREVIATIONS/ACRONYMS, continued

<i>Abbreviation/Acronym</i>	<i>Description</i>
SDS	Safety Data Sheets
TDS	Technical Data Sheets
TPY	Tons per Year
TOC	Total Organic Compounds
VRU	Vapor Recovery Units
VOC	Volatile Organic Compound
VOL	Volatile Organic Liquid
yr	Year

Section I: Premises Information/Description

A. PREMISES INFORMATION

Nature of Business: Special Warehousing and Storage, Not Else Classified

Primary Standard Industrial Classification Code: 4226

Facility Mailing Address: Buckeye PT Terminals, L.P.
The Buckeye Building
6161 Hamilton Blvd.
Allentown, PA 18106

Telephone Number: (610) 904-4000

B. PREMISES DESCRIPTION

Buckeye PT Terminals, L.P. (Buckeye) operates the New Haven Waterfront Street bulk petroleum terminal located on the Eastern Shore of New Haven Harbor, Long Island Sound. A second marine terminal facility operated by the Gateway Terminal is located north of the terminal. Waterfront Street forms the eastern boundary of the property.

The New Haven Waterfront Terminal is a bulk petroleum terminal with principal operations consisting of the receipt, storage and distribution of gasoline and distillate products. Products handled at the facility are typically received by marine vessel at the terminal's vessel dock or by pipeline. Upon receipt, products are transferred via product piping to bulk aboveground storage tanks (AST) located in the terminal's tank farm. Final distribution of product is conducted at the terminal's truck loading rack or at the vessel dock. The terminal is subject to 40 CFR Part 63 Subpart BBBBBB(6B), National Emission Standards for Hazardous Air Pollutants for Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities. Most of the storage tanks are operating under 40 CFR Part 63 Subpart 6B; by cross reference, 40 CFR Part 60 Subpart Kb (Standards of Performance for Volatile Organic Liquid Storage Vessels). One tank is operating under 40 CFR Part 60 Subpart Kb and will demonstrate compliance with 40 CFR Part 63 Subpart 6B pursuant to 40 CFR §63.11087(f).

Buckeye is capable of transferring products to other terminals through product pipeline for storage. They are capable to distribute product to interstate and intrastate locations via the Buckeye pipeline (jetline) and receive product via this pipeline.

Buckeye is capable of operating a marine vessel dock for loading bulk petroleum products (including gasoline) into the marine vessel. Currently, Buckeye is loading only distillate into the marine vessels. When and if Buckeye decides to start marine vessel loading for gasoline, control equipment shall be installed in accordance with the State (i.e. RCSA §22a-174-20(b)) and Federal regulations (i.e. 40 CFR Part 63 Subpart Y).

The terminal consists of two truck loading racks. The rack located closest to the building is the gasoline loading rack (Registration No. 117-0815), it is dedicated to bottom loading and contains six bays. Three bays load distillate, two bays load gasoline and one bay can load gasoline or ethanol. The gasoline loading rack is subject to 40 CFR Part 63 Subpart 6B and 40 CFR Part 60 Subpart XX (Standards of Performance for Bulk Gasoline Terminals). The applicable requirements for the gasoline loading rack come from 40 CFR Part 63 Subpart 6B; by cross reference, 40 CFR Part 60 Subpart XX. There are two

Section I: Premises Information/Description

functional Vapor Recovery Units (VRU) that control the Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAP) emissions from the gasoline truck loading rack. The primary VRU was online in 1997 and the secondary VRU was online in 1998. There are no controls for the two top loading distillate loading bays only, however, controls are present on the bottom loading bays. The other loading rack, the distillate loading rack (Registration No. 117-0816) is dedicated to top loading and contains three bays which load distillate.

The Weil-McLain boiler is subject to the Maximum Achievable Control Technology (MACT) standard for Industrial, Commercial and Institutional Boilers and Process Heaters, 40 CFR Part 63 Subpart JJJJJ (6J). The boiler is not subject to emission standards because it has a rated capacity of less than 10 MMBtu/hr.

Buckeye is a Title V source because potential VOC emissions exceed the major source thresholds. Buckeye is located in a serious ozone non-attainment area defined in RCSA §22a-174-1(105).

Buckeye is subject to the following:

- | | |
|-----------------------------------|---|
| 40 CFR Part 60 Subpart Kb | Standards of Performance for Volatile Organic Liquid Storage Vessels |
| 40 CFR Part 60 Subpart XX | Standards of Performance for Bulk Gasoline Terminals |
| 40 CFR Part 63 Subpart BBBB (6B) | National Emission Standards for Hazardous Air Pollutants for Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities |
| 40 CFR Part 63 Subpart JJJJJ (6J) | National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers Area Sources |

Section II: Emissions Units Information

A. EMISSIONS UNITS DESCRIPTION

Emissions units are set forth in Table II.A. It is not intended to incorporate by reference these Registrations, or Regulations into this Title V permit.

TABLE II.A: EMISSIONS UNITS DESCRIPTION			
Emissions Unit	Emissions Unit Description	Control Unit Description	Permit, Registration or Regulation Number
EU-1	Tank 201: Storage of: Gasoline finished and blend stocks (annual average RVP 13), W Grade Gasoline, Ethanol, Distillate and less volatile products with an annual average RVP of 13 or less (AST) Installation Year: 6/1/1936 Maximum Rated Capacity: 2,171,400 gal	Internal floating roof with vapor mounted primary and secondary seals	Registration No. 117-1005 40 CFR Part 63 Subpart BBBB (6B); by cross reference, 40 CFR Part 60 Subpart Kb RCSA §22a-174-20(a)
EU-2	Tank 202: Storage of: Gasoline finished and blend stocks (annual average RVP 13), W Grade Gasoline, Ethanol, Distillate and less volatile products with an annual average RVP of 13 or less (AST) Installation Year: 6/1/1936 Maximum Rated Capacity: 1,572,900 gal	Internal floating roof with mechanical shoe primary seal and geodesic dome	Registration No. 117-0810 40 CFR Part 63 Subpart 6B; by cross reference, 40 CFR Part 60 Subpart Kb RCSA §22a-174-20(a)
EU-3	Tank 206: Storage of: Gasoline finished and blend stocks (annual average RVP 13), W Grade Gasoline, Ethanol, Distillate and less volatile products with an annual average RVP of 13 or less (AST) Installation Year: 6/1/1929 Maximum Rated Capacity: 676,200 gal	Internal floating roof with vapor mounted primary and secondary seals	Registration No. 117-0979 40 CFR Part 63 Subpart 6B; by cross reference, 40 CFR Part 60 Subpart Kb RCSA §22a-174-20(a)
EU-4	Tank 209: Storage of: Gasoline finished and blend stocks (annual average RVP 13), W Grade Gasoline, Ethanol, Distillate and less volatile products with an annual average RVP of 13 or less (AST) Installation Year: 6/1/1929 Maximum Rated Capacity: 411,600 gal	Internal floating roof with vapor mounted primary and secondary seals	Registration No. 117-0812 40 CFR Part 63 Subpart 6B; by cross reference, 40 CFR Part 60 Subpart Kb RCSA §22a-174-20(a)

Section II: Emissions Units Information

TABLE II.A: EMISSIONS UNITS DESCRIPTION			
Emissions Unit	Emissions Unit Description	Control Unit Description	Permit, Registration or Regulation Number
EU-5	<p>Tank 210: Storage of: Gasoline finished and blend stocks (annual average RVP 13), W Grade Gasoline, Ethanol, Distillate and less volatile products with an annual average RVP of 13 or less (AST)</p> <p>Installation Year: 6/1/1936</p> <p>Maximum Rated Capacity: 394,800 gal</p>	<p>Internal floating roof with vapor mounted or mechanical shoe primary seal and vapor mounted secondary seal</p>	<p>Registration No. 117-0814</p> <p>40 CFR Part 63 Subpart 6B; by cross reference, 40 CFR Part 60 Subpart Kb</p> <p>RCSA §22a-174-20(a)</p>
EU-6	<p>Tank 212: Storage of: Gasoline finished and blend stocks (annual average RVP 13), W Grade Gasoline, Ethanol, Distillate and less volatile products with an annual average RVP of 13 or less and Blending of: Butane and W Grade Gasoline (AST)</p> <p>Installation Year: 6/1/1951</p> <p>Maximum Rated Capacity: 4,019,400 gal</p>	<p>Internal floating roof with vapor mounted or mechanical shoe primary seal and vapor mounted secondary seal</p>	<p>Registration No. 117-0813</p> <p>40 CFR Part 63 Subpart 6B; by cross reference, 40 CFR Part 60 Subpart Kb</p> <p>RCSA §22a-174-20(a)</p>
EU-7	<p>Tank 214: Storage of: Gasoline finished and blend stocks (annual average RVP 13), W Grade Gasoline, Ethanol, Distillate and less volatile products with an annual average RVP of 13 or less and Blending of: Butane and W Grade Gasoline (AST)</p> <p>Installation Year: 6/1/1951</p> <p>Maximum Rated Capacity: 3,889,200 gal</p>	<p>Internal floating roof with vapor mounted primary and secondary seals</p>	<p>Registration No. 117-1006</p> <p>40 CFR Part 63 Subpart 6B; by cross reference, 40 CFR Part 60 Subpart Kb</p> <p>RCSA §22a-174-20(a)</p>
EU-8	<p>Tank 215: Storage of: Gasoline finished and blend stocks (annual average RVP 13), W Grade Gasoline, Ethanol, Distillate and less volatile products with an annual average RVP of 13 or less and Blending of: Butane and W Grade Gasoline (AST)</p> <p>Installation Year: 6/1/1953</p> <p>Maximum Rated Capacity: 3,998,400 gal</p>	<p>Internal floating roof with vapor mounted primary and secondary seals</p>	<p>Registration No. 117-0811</p> <p>40 CFR Part 63 Subpart 6B; by cross reference, 40 CFR Part 60 Subpart Kb</p> <p>RCSA §22a-174-20(a)</p>

Section II: Emissions Units Information

TABLE II.A: EMISSIONS UNITS DESCRIPTION			
Emissions Unit	Emissions Unit Description	Control Unit Description	Permit, Registration or Regulation Number
EU-9	<p>Tank 218: Storage of: Gasoline finished and blend stocks (annual average RVP 13), W Grade Gasoline, Ethanol, Distillate and less volatile products with an annual average RVP of 13 or less and Blending of: Butane and W Grade Gasoline (AST)</p> <p>Installation Year: 3/3/2008</p> <p>Maximum Rated Capacity: 5,565,756 gal</p>	<p>Internal floating roof with vapor mounted or mechanical shoe primary seal and vapor mounted secondary seal</p>	<p>Permit No. 117-0384</p> <p>40 CFR Part 60 Subpart Kb</p> <p>40 CFR Part 63 Subpart 6B</p> <p>RCSA §22a-174-20(a)</p>
EU-10	<p>Distillate, Gasoline and Ethanol Loading Rack (VRU)</p> <p>(including vapor collection equipped gasoline cargo tanks, and equipment components in vapor or liquid gasoline service)</p> <p>Installation Year: 1942</p> <p>Maximum Rated Throughput: 905.661 MMgal/yr</p>	<p>John Zink VRU (Primary) (Carbon Adsorption/Absorption)</p> <p>Model No. AAT 1650</p> <p>Installation Year: 1997</p> <p>Maximum Rated Capacity: 2,350,000 gal/day</p> <p>John Zink VRU (Secondary) (Carbon Adsorption/Absorption)</p> <p>Model No. AAT 825</p> <p>Installation Year: 1998</p> <p>Maximum Rated Capacity: 1,000,000 gal/day</p>	<p>Registration No. 117-0815</p> <p>40 CFR Part 63 Subpart 6B; by cross reference, 40 CFR Part 60 Subpart XX</p> <p>RCSA §22a-174-19b</p> <p>RCSA §22a-174-20(b)</p> <p>RCSA §22a-174-28</p>

Section II: Emissions Units Information

TABLE II.A: EMISSIONS UNITS DESCRIPTION			
Emissions Unit	Emissions Unit Description	Control Unit Description	Permit, Registration or Regulation Number
EU-12	Distillate Loading Rack Installation Year: 1942 Maximum Rated Capacity: 521,000,000 gal/yr	There are no controls for the two top loading distillate loading bays only, however, controls are present on the bottom loading bays.	Registration No. 117-0815 RCSA §22a-174-19b
EU-38	Boiler No. 1 Make: Weil McLain Installation Year: 2008 Maximum Rated Capacity: 1.7 MMBtu/hr	None	40 CFR Part 63 Subpart JJJJJ (6J) RCSA §22a-174-19b

B. GROUPED EMISSIONS UNITS DESCRIPTION

Grouped emissions units are set forth in Table II.B.

TABLE II.B: GROUPED EMISSIONS UNITS DESCRIPTION		
Grouped Emissions Unit	Emissions Unit	Description
GEU-1	EU-1 through EU-8	Storage and Blending Tanks (Installation Date pre-July 1984)

Section II: Emissions Units Information

C. OPERATING SCENARIO IDENTIFICATION

The Permittee shall be allowed to operate under the following Standard Operating Scenarios and Alternative Operating Scenarios without notifying the commissioner, provided that such operations are explicitly provided for and described in Table II.C. There are no Alternate Operating Scenarios for the premises.

TABLE II.C: OPERATING SCENARIO IDENTIFICATION	
Emissions Units Associated with the Scenario	Description of Scenario
GEU-1	Storage of: Gasoline finished and blend stocks (annual average RVP 13), W Grade Gasoline, Ethanol and Distillate and less volatile products with an annual average RVP of 13 or less (AST) For Tank 212 (EU-6), 214 (EU-7) and 215 (EU-8) Blending of: Butane and W Grade Gasoline
EU-9	Storage of: Gasoline finished and blend stocks (annual average RVP 13), W Grade Gasoline, Ethanol and Distillate and less volatile products with an annual average RVP of 13 or less (AST) Tank 218: Blending of: Butane and W Grade Gasoline
EU-10	Distillate, Gasoline and Ethanol Loading Rack
EU-12	Distillate Loading Rack
EU-38	Operates on No. 2 Fuel Oil with less than 0.0015 % sulfur on a dry weight basis

Section III: Applicable Requirements and Compliance Demonstration

The following contains summaries of applicable regulations and compliance demonstration for each identified Emissions Unit and Operating Scenario, regulated by this Title V permit.

A. GEU-1: EU-1 through EU-8 (Storage and Blending Tanks) (Installation Date: pre-July 1984)

Registration or Regulation Numbers: Registration Nos. 117-1005, 117-0810, 117-0979, 117-0812, 117-0814, 117-0813, 117-1006, 117-0811, 40 CFR Part 63 Subpart BBBB (6B); by cross reference, 40 CFR Part 60 Subpart Kb and RCSA §22a-174-20(a)

1. VOC

a. Limitation or Restriction

- i. The Permittee shall equip the storage vessel with a fixed roof in combination with an internal floating roof meeting the following specifications:

[40 CFR §60.112b(a)(1)(i); 40 CFR §§60.112b(a)(1)(ii)(A), (B) and (C); 40 CFR §63.11087(a); 40 CFR Part 63 Subpart BBBB, Table 1, Item No. 2(b)]

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

- ii. The Permittee shall equip each internal floating roof gasoline storage tank according to the requirements in 40 CFR §60.112b(a)(1), except for the secondary seal requirements under 40 CFR §60.112b(a)(1)(ii)(B) and the requirements in 40 CFR §§60.112b(a)(1)(iv-ix).

[40 CFR §63.11087(a); 40 CFR Part 63 Subpart BBBB, Table 1, Item No. 2(b)]

Section III: Applicable Requirements and Compliance Demonstration

- iii. Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.
[40 CFR §60.112b(a)(1)(iii); 40 CFR §63.11087(a); 40 CFR Part 63 Subpart BBBBBB, Table 1, Item No. 2(b)]
- iv. The Permittee shall at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, re view of operation and maintenance records, and inspection of the source.
[40 CFR §63.11085(a)]
- v. The Permittee shall comply with the applicable General Provisions requirements according to 40 CFR Part 63 Subpart BBBBBB, Table 3.
[40 CFR §63.11098; 40 CFR Part 63 Subpart BBBBBB, Table 3]
- vi. The Permittee shall operate and maintain such a tank to ensure that:
[RCSA §22a-174-20(a)(2)(B)]
 - (A) There are no visible holes, tears or other openings in the seal or any seal fabric or materials;
[RCSA §22a-174-20(a)(2)(B)(i)]
 - (B) All openings except stub drains are equipped with covers, lids or seals such that:
[RCSA §§22a-174-20(a)(2)(B)(ii)(I-III)]
 - (1) The cover, lid or seal is in the closed position at all times except when in actual use;
 - (2) Automatic bleeder vents are closed at all times except when the roof is being floated off or being landed on the roof leg supports; and
 - (3) Rim vents, if provided, are set to open to the manufacturer's recommended setting when the roof is floated off the roof leg supports or cables.
 - (C) All tank gauging and sampling devices are vapor-tight except when tank gauging or sampling is taking place; and [RCSA §22a-174-20(a)(2)(B)(iii)]
 - (D) No liquid accumulates on the top of the floating roof. [RCSA §22a-174-20(a)(2)(B)(iv)]
- vii. The external surfaces of any storage tank containing VOCs with a vapor pressure of 0.75 pounds per square inch (psi) or greater under standard conditions that has a maximum capacity of 2,000 gallons (7,570 liters) or greater and is exposed to the rays of the sun shall be either mill-finished aluminum or painted and maintained white upon the next painting of the tank or by March 7, 2024, whichever is sooner. The external surfaces of any storage tank that is brought into service after the effective date of RCSA §22a-174-20(a), that has a maximum capacity of 2,000 gallons or greater and that is exposed to the rays of the sun shall be either mill-finished aluminum or painted and maintained white prior to being filled with any VOC with a vapor pressure of 0.75 psi or greater under standard conditions. The requirement to use mill-finished aluminum or white paint shall not apply to words and logograms

Section III: Applicable Requirements and Compliance Demonstration

applied to the external surface of the storage tank for purposes of identification provided such symbols do not cover more than 20% of the external surface area of the tank's sides and top or more than 200 square feet (18.6 square meters), whichever is less. [RCSA §22a-174-20(a)(7)]

viii. When performing a roof landing of a floating roof tank, the Permittee shall:

[RCSA §§22a-174-20(a)(8)(A) and (B)]

(A) When the roof is resting on its leg supports or suspended by cables or hangers, empty and refill the tank as a continuous process; and

(B) After the tank is degassed for the first time after the effective date of RCSA §22a-174-20(a), any in-service roof landing shall be with the landed height of the floating roof at its minimum setting.

ix. The Permittee shall perform degassing and cleaning as follows: [RCSA §§22a-174-20(a)(9)(A-C)]

(A) Beginning with the first June 1 after the effective date of RCSA §22a-174-20(a), the Permittee shall not perform degassing of any aboveground storage tank subject to RCSA §22a-174-20(a)(2) during the period from June 1 through August 31 of any calendar year, except for the purpose of performing a repair that is necessary for safe and proper function of the tank.

(B) The Permittee shall clean an aboveground storage tank subject to RCSA §22a-174-20(a)(2) using one or more of the following methods: [RCSA §§22a-174-20(a)(9)(C)(i) and (ii)]

(1) Using any of the following cleaning agents:

(a) Diesel fuel;

(b) A solvent with an initial boiling point of greater than 302 °F;

(c) A solvent with a vapor pressure less than 0.5 psi;

(d) A solvent with 50 grams per liter VOC content or less; or

(e) Another cleaning agent approved by the commissioner and the Administrator; or

(2) Steam cleaning.

x. The Permittee shall not offer for sale, sell or deliver to any dispensing facility in Connecticut, gasoline with a Reid Vapor Pressure (RVP) in excess of 9.0 psi between May 1 and September 15.

[RCSA §22a-174-20(a)(11)]

b. Monitoring Requirements

i. The Permittee shall 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 Volatile Organic Liquid (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 Permittee shall repair the items before filling the storage vessel. [40 CFR §60.113b(a)(1); 40 CFR §63.11087(c); 40 CFR §63.11092(e)(1)]

Section III: Applicable Requirements and Compliance Demonstration

- ii. For vessels equipped with a liquid-mounted or mechanical shoe primary seal, the Permittee shall visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the Permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in 40 CFR §60.113b(a)(2) 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 Administrator in the inspection report required in 40 CFR §60.115b(a)(3). Such a request for an extension shall 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.
[40 CFR §60.113b(a)(2); 40 CFR §63.11087(c); 40 CFR §63.11092(e)(1)]
- iii. For vessels equipped with a seal system as specified in 40 CFR §60.112b(a)(1)(ii)(B) and 40 CFR Part 63 Subpart BBBBBB, Table 1, Item No. 2(b):
[RCSA §22a-174-33(j)(K)(ii)]
 - (A) Visually inspect the vessel as specified in 40 CFR §60.113b(a)(4) at least every 5 years; or
 - (B) Visually inspect the vessel as specified in 40 CFR §60.113b(a)(2).
- iv. The Permittee shall visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10% open area, the Permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than ten years in the case of vessels conducting the annual visual inspection as specified in 40 CFR §60.113b(a)(2).
[40 CFR §60.113b(a)(4); 40 CFR §63.11087(c); 40 CFR §63.11092(e)(1)]
- v. The Permittee shall conduct inspections as follows: [RCSA §§22a-174-20(a)(3)(A-C)]
 - (A) Once per month visually inspect the floating roof deck, deck fittings and rim seal system through the roof hatches of the fixed roof to determine compliance with the requirements of RCSA §22a-174-20(a)(2)(B); and
 - (B) Whenever the tank is emptied and degassed, but no less than once every ten years, conduct an inspection from within the tank or performed entirely from the top side of the floating roof as long as there is visual access to all deck components by:
 - (1) Visually inspecting the floating roof deck, deck fittings and rim seal system to determine compliance with the requirements of RCSA §22a-174-20(a)(2)(B) and ensure that the seal between the floating roof and the tank wall is uniform; and

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- (2) Physically measuring gaps between any deck fitting gasket, seal or wiper and any surface that such gasket, seal or wiper is intended to seal. Gaps shall not exceed 0.125 inches.
- (C) The inspection specified in RCSA §22a-174-20(a)(2)(B) may be performed entirely from the top side of the floating roof as long as there is visual access to all deck components specified in RCSA §22a-174-20(a)(2)(B).
- vi. If any piping, valves, vents, seals, gaskets or covers of roof openings are found to have defects or visible gaps or the VOC control requirements of RCSA §22a-174-20(a) are not met, the Permittee shall: [RCSA §22a-174-20(a)(4)(A-C)]
 - (A) If the tank is not storing liquid, complete repairs or replacements prior to filling the tank;
 - (B) If the tank is storing liquid, complete repairs or replacements or remove the tank from service within 45 days after discovery of the defect or visible gap. If the Permittee anticipates that a repair or replacement cannot be completed or the tank cannot be emptied within such 45 day period, the Permittee shall notify the commissioner prior to the end of such 45 day period. The Permittee shall make repairs or completely empty the tank as soon as possible; and
 - (C) Any evidence of leakage as described in RCSA §22a-174-20(a) shall also be treated as a malfunction of control equipment as described in RCSA §22a-174-7.
- vii. Samples to be analyzed for RVP shall be collected and handled according to the applicable procedures in American Society for Testing and Materials method D 5842-95(2000), “Standard Practice for Sampling and Handling of Fuels for Volatility Measurement.”
[RCSA §22a-174-20(a)(13)]
- viii. The Permittee shall determine RVP by using American Society for Testing and Materials method D5191-07 (2007), except that the following correlation equation shall be used:
[RCSA §22a-174-20(a)(14)]
$$\text{RVP psi} = (0.956 * X) - 0.347$$
- ix. The Permittee shall calculate the annual VOC emissions, speciated HAP emissions and aggregate HAP emissions from each storage vessel by calculating the emission rates using emission factors *for Internal Floating Roof Tanks* as defined in AP-42, Fifth Edition, Volume I Chapter 7: Liquid Storage Tanks (June 2020) for the following modes of operation:
[RCSA §22a-174-33(j)(1)(K)(ii)]
 - (A) Routine Standing and Working Losses
 - (B) Roof Landing/Fuel Switching
 - (C) Tank Degassing/Cleanings

c. Record Keeping Requirements

- i. The Permittee shall make and keep a record of each inspection performed as required by 40 CFR §60.113b(a)(1-4). Each record shall identify the storage vessel on which the inspection was

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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(a)(2); 40 CFR §63.11087(e); 40 CFR §63.11094(a); 40 CFR §63.11095(a)(1); 40 CFR Part 63 Subpart BBBBBB, Table 1, Item No. 2(b)]

- ii. The Permittee shall keep records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
[40 CFR §63.11085(b); 40 CFR §63.11087(e); 40 CFR §63.11094(g)(1)]
- iii. The Permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR §63.11085(b); 40 CFR 63.11087(e); 40 CFR §63.11094(g)(2)]
- iv. The Permittee shall make and keep records as specified in 40 CFR§60.115b, except records shall be kept for at least five years.
[40 CFR §63.11094(a); 40 CFR Part 63 Subpart BBBBBB, Table 1, Item No. 2(b)]
- v. The Permittee shall make and keep records of the following information:
[RCSA §§22a-174-20(a)(10)(B)(i)(I-III) and (iv-viii)]
 - (A) Type of VOC stored, vapor pressure and monthly throughput;
 - (B) A Material Safety Data Sheet or Environmental Data Sheet for each VOC stored; and
 - (C) Records of the inspections conducted under RCSA §22a-174-20(a)(3) including, but not limited to, date of the inspection, results and corrective actions taken, if applicable;
 - (D) Documentation of any leak detected pursuant to RCSA §22a-174-20(a)(4), including, but not limited to, the date the leak was detected, location of the leak, type of repair made and the date of repair and explanation of the reason for delaying repair, if applicable;
 - (E) For each floating roof landing event, the tank contents before landing and after refilling, landed height of the floating roof, height of any liquid remaining in the bottom of the tank after landing, duration of landing and landing emissions calculated using AP-42 Chapter 7 methodology;
 - (F) Dates of all tank degassing activities performed pursuant to RCSA §22a-174-20(a)(9)(A) or (B);
 - (G) Date, cleaning method and cleaning agents used for any cleaning performed pursuant to RCSA §22a-174-20(a)(9)(C); and
 - (H) Any approval by the commissioner or Administrator issued pursuant to RCSA §22a-174-20(a).
- vi. The Permittee shall make and keep records of the analysis of gasoline samples to determine compliance with the provisions of RCSA §22a-174-20(a)(11). [RCSA §22a-174-20(a)(12)]

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- vii. The Permittee shall make and keep records of annual VOC emissions, speciated HAP emissions and aggregate HAP emissions for each storage vessel. Emissions shall be the sum of standing losses, working losses, and any other events that generate emissions. [RCSA §22a-174-33(j)(K)(ii)]
- viii. The Permittee shall make and keep records sufficient to show compliance with the applicable General Provisions requirements of 40 CFR Part 63 Subpart BBBBBB, Table 3.
[RCSA §22a-174-33(j)(K)(ii)]

d. Reporting Requirements

- i. If any of the conditions described in 40 CFR §60.113b(a)(2) and (3) are detected during the annual visual inspection required by 40 CFR §60.113b(a)(2), a report shall be furnished to the Administrator 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 §60.113b(a)(2); 40 CFR §60.115b(a)(3); 40 CFR §63.11087(c); 40 CFR §63.11092(e)(1); 40 CFR §63.11094(a); 40 CFR §63.11095(a)(1); 40 CFR Part 63 Subpart BBBBBB, Table 1, Item No. 2(b)]
- ii. The Permittee shall notify the Administrator in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR §60.113b(a)(1) and (4) to afford the Administrator the opportunity to have an observer present. If the inspection required by 40 CFR §60.113b(a)(4) is not planned and the Permittee could not have known about the inspection 30 days in advance or refilling the tank, the Permittee shall notify the Administrator at least seven 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 Administrator at least seven days prior to the refilling. [40 CFR §60.113b(a)(5); 40 CFR §63.11087(c); 40 CFR §63.11092(e)(1)]
- iii. The Permittee shall furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of 40 CFR §60.112b(a)(1) and 40 CFR §60.113b(a)(1). This report shall be an attachment to the notification required by 40 CFR §60.7(a)(3).
[40 CFR §60.115b(a)(1); 40 CFR §63.11087(e); 40 CFR §63.11094(a); 40 CFR §63.11095(a)(1); 40 CFR Part 63 Subpart BBBBBB, Table 1, Item No. 2(b)]
- iv. A major source reclassifying to area source status under 40 CFR Part 63 remains subject to any applicable major source requirements established under 40 CFR Part 63 until the reclassification becomes effective. After the reclassification becomes effective, the source is subject to any applicable area source requirements established under 40 CFR Part 63 immediately, provided the compliance date for the area source requirements has passed. The Permittee shall comply with the initial notification requirements pursuant to 40 CFR §63.9(b). The Permittee shall also provide to the Administrator any change in the information already provided under 40 CFR §63.9(b) per 40 CFR §63.9(j). [40 CFR §63.1(c)(6)(i)(A); 40 CFR §63.11083(b); 40 CFR §63.11087(b)]
- v. Any change in the information already provided under 40 CFR Part 63 shall be provided to the Administrator within 15 calendar days after the change. The Permittee is also subject to the notification requirements of 40 CFR §63.9(j). The Permittee may use the application for reclassification with the regulatory authority (e.g., permit application) to fulfill the requirements of

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40 CFR §63.9(j). Beginning January 19, 2021, the owner or operator of a major source that reclassifies to area source status shall submit the notification according to the requirements of 40 CFR §63.9(k). A notification of reclassification shall contain the following information:

[40 CFR §63.9(j)(1-4); 40 CFR 63.11087(d); 40 CFR §63.11093(d)]

- (A) The name and address of the Permittee;
 - (B) The address (*i.e.*, physical location) of the affected source;
 - (C) An identification of the standard being reclassified from and to (if applicable); and
 - (D) Date of effectiveness of the reclassification.
- vi. The Permittee shall submit a semiannual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report shall also include a description of actions taken by the Permittee during a malfunction of an affected source to minimize emissions in accordance with 40 CFR §63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semiannual compliance report, if one is required. The Permittee is not required to submit reports for periods during which no malfunctions occurred. [40 CFR §63.11085(b); 40 CFR §63.11087(e); 40 CFR §63.11095(d)]
- vii. The Permittee shall submit an Initial Notification as specified in 40 CFR §63.9(b). If the facility is in compliance with the requirements of 40 CFR Part 63 Subpart BBBBBB at the time the Initial Notification is due, the Notification of Compliance Status required under 40 CFR §63.11093(b) may be submitted in lieu of the Initial Notification.
[40 CFR §63.11087(d); 40 CFR §63.11093(a)]
- viii. The Permittee shall submit a Notification of Compliance Status as specified in 40 CFR §63.9(h). The Notification of Compliance Status shall specify which of the compliance options included in 40 CFR Part 63 Subpart BBBBBB, Table 1 is used to comply with 40 CFR Part 63 Subpart BBBBBB. [40 CFR §63.11087(d); 40 CFR §63.11093(b)]
- ix. The Permittee shall submit additional notifications specified in 40 CFR §63.9, as applicable.
[40 CFR §63.11087(d); 40 CFR §63.11093(d)]
- x. If the gasoline storage tank is subject to, and complies with, the control requirements of 40 CFR Part 60, Subpart Kb, the storage tank will be deemed in compliance with 40 CFR Part 63 Subpart BBBBBB. The Permittee shall report this determination in the Notification of Compliance Status report under 40 CFR §63.11093(b). [40 CFR §63.11087(f)]
- xi. The Permittee shall notify the commissioner when a tank is emptied and degassed under RCSA §22a-174-20(a)(9)(B) within 72 hours of completing the degassing and repair. Such notification shall be submitted to the Compliance Assistance and Coordination Unit of the Bureau of Air Management and shall include the following information: [RCSA §§22a-174-20(a)(9)(B)(i-vi)]
- (A) Identification of the facility and the tank degassed;
 - (B) Identification of the VOC stored;

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- (C) An explanation of the need to degas the tank during the period from June 1 through August 31;
- (D) The date the Permittee determined that degassing and repair would be necessary;
- (E) The dates that degassing commenced and was completed; and
- (F) The date that inspection, repair and refilling was or is anticipated to be completed.

B. EU-9 (Storage and Blending Tank-Tank 218) (Installation Date: post-July 1984)

Permit and Regulation Numbers: Permit No. 117-0384; 40 CFR Part 60 Subpart Kb; 40 CFR Part 63 Subpart BBBB (6B) and RCSA §22a-174-20(a).

Note: Tank 218 is operating under 40 CFR Part 60 Subpart Kb and will demonstrate compliance with 40 CFR Part 63 Subpart 6B pursuant to 40 CFR §63.11087(f).

1. VOC

a. *Limitation or Restriction*

- i. The Permittee shall equip the storage vessel with a fixed roof in combination with an internal floating roof meeting the following specifications: [40 CFR §60.112b(a)(1)]
 - (A) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. [40 CFR §60.112b(a)(1)(i)]
 - (B) Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof: [40 CFR §60.112b(a)(1)(ii)]
 - (1) A foam- or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank. [40 CFR §60.112b(a)(1)(ii)(A)]
 - (2) Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous. [40 CFR §60.112b(a)(1)(ii)(B)]
 - (3) A mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular

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space between the metal sheet and the floating roof. [40 CFR §60.112b(a)(1)(ii)(C)]

- ii. Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.
[40 CFR §60.112b(a)(1)(iii)]
- iii. 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.
[40 CFR §60.112b(a)(1)(iv)]
- iv. 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.
[40 CFR §60.112b(a)(1)(v)]
- v. 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.
[40 CFR §60.112b(a)(1)(vi)]
- vi. 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% of the opening.
[40 CFR §60.112b(a)(1)(vii)]
- vii. 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.
[40 CFR §60.112b(a)(1)(viii)]
- viii. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. [40 CFR §60.112b(a)(1)(ix)]
- ix. The Permittee shall not cause or allow this equipment to exceed the VOC emission limit stated herein at any time: 14.9 TPY. [Permit No. 117-0384]
- x. Demonstration of compliance with the VOC emission limit may be met by calculating the emission rates using emission factor *for Internal Floating Roof Tanks with Liquid Heel* as defined in AP-42, Fifth Edition, Volume I Chapter 7: Liquid Storage Tanks (June 2020) for the following modes of operation: [Permit No. 117-0384]
 - (A) Routine Standing and Working Losses
 - (B) Roof Landing/Fuel Switching
 - (C) Tank Degassing/Cleanings
- xi. The Permittee shall operate and maintain such a tank to ensure that:
[RCSA §22a-174-20(a)(2)(B)]

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- (A) There are no visible holes, tears or other openings in the seal or any seal fabric or materials;
[Permit No. 117-0384; RCSA §22a-174-20(a)(2)(B)(i)]
- (B) All openings except stub drains are equipped with covers, lids or seals such that:
[Permit No. 117-0384; RCSA §§22a-174-20(a)(2)(B)(ii)(I-III)]
 - (1) The cover, lid or seal is in the closed position at all times except when in actual use;
 - (2) Automatic bleeder vents are closed at all times except when the roof is being floated off or being landed on the roof leg supports; and
 - (3) Rim vents, if provided, are set to open to the manufacturer's recommended setting when the roof is floated off the roof leg supports or cables.
- (C) All tank gauging and sampling devices are vapor-tight except when tank gauging or sampling is taking place; and [Permit No. 117-0384; RCSA §22a-174-20(a)(2)(B)(iii)]
- (D) No liquid accumulates on the top of the floating roof.
[Permit No. 117-0384; RCSA §22a-174-20(a)(2)(B)(iv)]
- xii. Upon the next painting of the tank or by March 7, 2024, whichever is sooner, the external surface of the tank shall be either mill-finished aluminum or painted and maintained white. The requirement to use mill-finished aluminum or white paint shall not apply to words and logograms applied to the external surface of the storage tank for purposes of identification provided such symbols do not cover more than 20% of the external surface area of the tank's sides and top or more than 200 square feet (18.6 square meters), whichever is less.
[Permit No. 117-0384; RCSA §22a-174-20(a)(7)]
- xiii. When performing a roof landing, the Permittee shall:
[Permit No. 117-0384; RCSA §§22a-174-20(a)(8)(A) and (B)]
 - (A) When the roof is resting on its leg supports or suspended by cables or hangers, empty and refill the tank as a continuous process; and
 - (B) After the tank is degassed for the first time after the effective date of RCSA §22a-174-20(a), any in-service roof landing shall be with the landed height of the floating roof at its minimum setting.
- xiv. Tank degassing events: [Permit No. 117-0384; RCSA §§22a-174-20(a)(9)(A and B)]
 - (A) "Degassing" means "degassing" as defined in RCSA §22a-174-20(a)(1)(C)
 - (B) The Permittee shall not perform degassing of this tank during the period from June 1 through August 31 of any calendar year, except that the Permittee may degas this tank for the purpose of performing a repair that is necessary for safe and proper function of the tank.
 - (C) When this tank contains any VOC with a vapor pressure greater than 0.75 psi or greater under standard conditions, the Permittee shall utilize an air pollution control device(s) having an

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overall minimum control efficiency of 98% by weight to control the VOC and organic HAP vapor emissions from the storage tank for the duration of the degassing event.

- (D) In conducting any degassing activities, the Permittee shall not open the interior vapor space of the tank to the atmosphere through a hatch or manway until the degassing event is complete, except for the limited time necessary to connect or disconnect degassing equipment or to conduct tank contents or emissions sampling or to facilitate removal of gasoline vapors/liquids from the tank to the control device. Notwithstanding the terms of this paragraph, the permittee shall not be precluded from introducing the liquids to or removing liquids from the tank.

- xv. The Permittee shall clean the tank using one or more of the following methods:

[Permit No. 117-0384; RCSA §§22a-174-20(a)(9)(C)(i) and (ii)]

- (A) Using any of the following cleaning agents:

- (1) Diesel fuel;
- (2) A solvent with an initial boiling point of greater than 302 °F;
- (3) A solvent with a vapor pressure less than 0.5 psi;
- (4) A solvent with 50 grams per liter VOC content or less; or
- (5) Another cleaning agent approved by the commissioner and the Administrator; or

- (B) Steam cleaning.

- xvi. Between May 1 and September 15, the Permittee shall not offer for sale, sell or deliver to any dispensing facility in Connecticut, gasoline with a Reid Vapor Pressure (RVP) in excess of 9.0 psi.

[Permit No. 117-0384; RCSA §22a-174-20(a)(11)]

b. *Monitoring Requirements*

- i. The Permittee shall 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 Volatile Organic Liquid (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 Permittee shall repair the items before filling the storage vessel. [40 CFR §60.113b(a)(1)]
- ii. For vessels equipped with a liquid-mounted or mechanical shoe primary seal, the Permittee shall visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the Permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in 40 CFR §60.113b(a)(2) 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 Administrator in the inspection report required in 40 CFR §60.115b(a)(3). Such a request for an extension shall document that alternate storage

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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.

[40 CFR §60.113b(a)(2)]

- iii. For vessels equipped with a double-seal system as specified in 40 CFR §60.112b(a)(1)(ii)(B):
[40 CFR §60.113b(a)(3)]
 - (A) Visually inspect the vessel as specified in 40 CFR §60.113b(a)(4) at least every five years; or
[40 CFR §60.113b(a)(3)(i)]
 - (B) Visually inspect the vessel as specified in 40 CFR §60.113b(a)(2).
[40 CFR §60.113b(a)(3)(ii)]
- iv. The Permittee shall visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10% open area, the Permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than ten years in the case of vessels conducting the annual visual inspection as specified in 40 CFR §60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than five years in the case of vessels specified in 40 CFR §60.113b(a)(3)(i). Alternatively, the Permittee may elect to comply with the Alternative Means of Compliance provided in 40 CFR §60.110b(e)(5). [40 CFR §60.113b(a)(4)]
- v. The Permittee shall monitor the amount of gasoline throughput in gallons using either rack meters or tank gauging. [Permit No. 117-0384]
- vi. The Permittee shall conduct inspections as follows:
[Permit No. 117-0384; RCSA §§22a-174-20(a)(3)(A-C)]
 - (A) Once per month visually inspect the floating roof deck, deck fittings and rim seal system through the roof hatches of the fixed roof to determine compliance with the requirements of RCSA §22a-174-20(a)(2)(B); and
 - (B) Whenever the tank is emptied and degassed, but no less than once every ten years, conduct an inspection from within the tank by:
 - (1) Visually inspecting the floating roof deck, deck fittings and rim seal system to determine compliance with the requirements of RCSA §22a-174-20(a)(2)(B); and
 - (2) Physically measuring gaps between any deck fitting gasket, seal or wiper and any surface that such gasket, seal or wiper is intended to seal. Gaps shall not exceed 0.125 inches.
 - (C) When using a control device, the permittee shall:

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- (1) Not intentionally bypass control device; and
 - (2) Ensure there are no avoidable leaks by sight or sound.
- (D) The inspection specified in RCSA §22a-174-20(a)(2)(B) may be performed entirely from the top side of the floating roof as long as there is visual access to all deck components specified in RCSA §22a-174-20(a)(2)(B).
- vii. If any piping, valves, vents, seals, gaskets or covers of roof openings are found to have defects or visible gaps, the Permittee shall: [Permit No. 117-0384; RCSA §§22a-174-20(a)(4)(A-C)]
- (A) If the tank is not storing liquid, complete repairs or replacements prior to filling the tank;
 - (B) If the tank is storing liquid, complete repairs or replacements or remove the tank from service within 45 days after discovery of the defect or visible gap. If the Permittee anticipates that a repair or replacement cannot be completed or the tank cannot be emptied within such 45 day period, the Permittee shall notify the commissioner prior to the end of such 45 day period. The Permittee shall make repairs or completely empty the tank as soon as possible; and
 - (C) Any evidence of leakage as described in RCSA §22a-174-20(a) shall also be treated as a malfunction of control equipment as described in RCSA §22a-174-7.
- viii. Samples to be analyzed for RVP shall be collected and handled according to the applicable procedures in American Society for Testing and Materials method D 5842–95(2000), “Standard Practice for Sampling and Handling of Fuels for Volatility Measurement.”
[Permit No. 117-0384; RCSA §22a-174-20(a)(13)]
- ix. The Permittee shall determine RVP by using American Society for Testing and Materials method D5191-07 (2007), except that the following correlation equation shall be used:
[Permit No. 117-0384; RCSA §22a-174-20(a)(14)]

$$\text{RVP psi} = (0.956 * X) - 0.347$$

c. Record Keeping Requirements

- i. The Permittee shall make and keep a record of each inspection performed as required by 40 CFR §§60.113b(a)(1-4). 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(a)(2)]
- ii. The Permittee of each storage vessel as specified in 40 CFR §60.110b(a) shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Such records shall be kept for the life of the source.
[40 CFR §60.116b(a) and (b)]
- iii. The Permittee shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. [40 CFR §60.116b(c)]

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- iv. The Permittee shall make and keep records of the monthly gasoline throughput for the tank.
[Permit No. 117-0384]
- v. The Permittee shall calculate and record the monthly and consecutive 12 month and VOC and speciated HAP emissions from the tank in units of tons. Emissions shall be the sum of standing losses, working losses, and any other events that generate emissions. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a detailed sample calculation. The Permittee shall make these calculations within 30 days of the end of the previous month. [Permit No. 117-0384]
- vi. The Permittee shall calculate and record the monthly and consecutive 12 month speciated HAP and total HAP emissions from the premises in units of tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months for the premises. [Permit No. 117-0384]
- vii. The Permittee shall keep material safety data sheets (MSDS) or technical data sheets (TDS) or Safety Data Sheets (SDS) for each fuel stored. Such information shall include the quantity and type of each HAP contained in the fuel. For paperwork reduction, these sheets may be kept on computer file in electronic form, access to above paperwork requirement may also be allowed via internet on-demand. [Permit No. 117-0384]
- viii. The Permittee shall make and keep records of when this tank is degassed and shall include the following information: [Permit No. 117-0384]
 - (A) Identification of the facility and tank degassed;
 - (B) Identification of the VOC stored;
 - (C) An explanation of the need to degas the tank;
 - (D) The date the Permittee determined that degassing would be necessary;
 - (E) The dates that the degassing commenced and was completed;
 - (F) The date that inspection, repair and refilling was or is anticipated to be completed;
 - (G) Records of the outlet VOC emissions in mass, determined by calculating uncontrolled emissions using AP-42 Chapter 7 methodologies, and then applying an overall control efficiency of the lesser of: 98% or the control efficiency reported by the vendor for the VCU during the degassing operation; and
 - (H) A copy of the most recent stack test from the VCU provided by the vendor.
- ix. The Permittee shall maintain records of the following information:
[Permit No. 117-0384; RCSA §§22a-174-20(a)(10)(B)(i)(I-III) and (iv-viii)]
 - (A) Type of VOC stored, vapor pressure and monthly throughput;
 - (B) A MSDS or Environmental Data Sheet for each VOC stored; and

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- (C) Records of the inspections conducted under RCSA §22a-174-20(a)(3) including, but not limited to, date of the inspection, results and corrective actions taken, if applicable;
 - (D) Documentation of control device used for tank cleanings and degassing events to include the destruction and capture efficiency, if applicable, using an applicable EPA reference method or alternative method as approved by the commissioner and the Administrator;
 - (E) Date and type of maintenance performed on air pollution control equipment, if applicable;
 - (F) Documentation of any leak detected pursuant to RCSA §22a-174-20(a)(4), including, but not limited to, the date the leak was detected, location of the leak, type of repair made and the date of repair and explanation of the reason for delaying repair, if applicable;
 - (G) For each floating roof landing event, the tank contents before landing and after refilling, landed height of the floating roof, height of any liquid remaining in the bottom of the tank after landing, duration of landing and landing emissions calculated using AP-42 Chapter 7 methodology;
 - (H) Dates of all tank degassing activities performed pursuant to RCSA §22a-174-20(a)(9)(A) or (B);
 - (I) Date, cleaning method and cleaning agents used for any cleaning performed pursuant to RCSA §22a-174-20(a)(9)(C); and
 - (J) Any approval by the commissioner or Administrator issued pursuant to RCSA §22a-174-20(a).
- x. In addition to the requirement of RCSA §22a-174-4, the commissioner may require the Permittee to provide records of the analysis of gasoline samples to determine compliance with the provisions of RCSA §22a-174-20(a)(11). [Permit No.117-0384; RCSA §22a-174-20(a)(12)]

d. Reporting Requirements

- i. The Permittee shall notify the Administrator in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR §60.113b(a)(1) and (4) to afford the Administrator the opportunity to have an observer present. If the inspection required by 40 CFR §60.113b(a)(4) is not planned and the Permittee could not have known about the inspection 30 days in advance or refilling the tank, the Permittee shall notify the Administrator at least seven 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 Administrator at least seven days prior to the refilling. [40 CFR §60.113b(a)(5)]
- ii. The Permittee shall furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of 40 CFR §60.112b(a)(1) and 40 CFR §60.113b(a)(1). This report shall be an attachment to the notification required by 40 CFR §60.7(a)(3). [40 CFR §60.115b(a)(1)]

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- iii. 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 Administrator 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(a)(3)]
- iv. After each inspection required by 40 CFR §60.113b(a)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 40 CFR §60.113b(a)(3)(ii), a report shall be furnished to the Administrator within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR §60.112b(a)(1) or 40 CFR §60.113b(a)(3) and list each repair made. [40 CFR §60.115b(a)(4)]
- v. If the gasoline storage tank is subject to, and complies with, the control requirements of 40 CFR Part 60, Subpart Kb, the storage tank will be deemed in compliance with 40 CFR Part 63 Subpart BBBBBB. The Permittee shall report this determination in the Notification of Compliance Status report under 40 CFR §63.11093(b). [40 CFR §63.11087(f)]
- vi. The Permittee shall notify the commissioner in accordance with the applicable requirements found in RCSA §22a-174-7(e). [Permit No. 117-0384]
- vii. If the Permittee anticipates that a repair or replacement cannot be completed or the tank cannot be emptied within 45 days after discovery of a defect or visible gap, pursuant to RCSA §22a-174-20(a)(4)(B), the Permittee shall notify the commissioner prior to the end of such 45 day period. [Permit No. 117-0384; RCSA §22a-174-20(a)(4)(B)]
- viii. The Permittee shall notify the commissioner when this tank is emptied and degassed within 72 hours of completing the degassing. [Permit No. 117-0384]
- ix. The Permittee shall notify the commissioner when a tank is emptied and degassed under RCSA §22a-174-20(a)(9)(B) within 72 hours of completing the degassing and repair. Such notification shall be submitted to the Compliance Assistance and Coordination Unit of the Bureau of Air Management and shall include the following information: [RCSA §§22a-174-20(a)(9)(B)(i-vi)]
 - (A) Identification of the facility and the tank degassed;
 - (B) Identification of the VOC stored;
 - (C) An explanation of the need to degas the tank during the period from June 1 through August 31;
 - (D) The date the Permittee determined that degassing and repair would be necessary;
 - (E) The dates that degassing commenced and was completed; and
 - (F) The date that inspection, repair and refilling was or is anticipated to be completed.

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2. Operation and Maintenance

a. *Limitation or Restriction*

- i. The Permittee shall operate and maintain this equipment in accordance with the manufacturer's specifications and written recommendations. [Permit No. 117-0384]
- ii. The Permittee shall properly operate the control equipment at all times that this equipment is in operation and emitting air pollutants. [Permit No. 117-0384]

b. *Monitoring and Testing Requirements*

Record keeping specified in Section III.B.2.c of this Title V permit shall be sufficient to meet other Monitoring Requirements pursuant to RCSA §22a-174-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. *Record Keeping Requirements*

The Permittee shall maintain records sufficient to determine compliance with the limitation or restriction in Section III.B.2.a of this Title V permit. [RCSA §22a-174-33(j)(1)(K)]

d. *Reporting Requirements*

The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

C. **EU-10 (Distillate, Gasoline and Ethanol Loading Rack; VRU; including vapor collection equipped gasoline cargo tanks, and equipment components in vapor or liquid gasoline service)**

Registration or Regulation Numbers: Registration No. 117-0815, 40 CFR Part 63 Subpart BBBBBB (6B) ; by cross reference, 40 CFR Part 60 Subpart XX, RCSA §22a-174-19b, RCSA §22a-174-20(b), and RCSA §22a-174-28

1. VOC

a. *Limitation or Restriction*

- i. Loadings of liquid product into gasoline cargo tanks shall be limited to vapor-tight gasoline cargo tanks using the following procedures:

[40 CFR §60.502(e); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]

- (A) The Permittee shall obtain the vapor tightness documentation as described in 40 CFR §60.505(b) for each gasoline cargo tank which is to be loaded at the loading rack.

[40 CFR §60.502(e)(1); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]

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- (B) The Permittee shall require the cargo tank's identification number to be recorded as each gasoline cargo tank is loaded at the loading rack.

[40 CFR §60.502(e)(2); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]

- ii. The Permittee terminal shall take steps assuring that the nonvapor-tight gasoline cargo tank will not be reloaded at the affected facility until vapor tightness documentation for that tank is obtained.
[40 CFR §60.502(e)(5); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]
- iii. The Permittee shall act to assure that loadings of gasoline cargo tanks at the loading racks are made only into cargo tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.
[40 CFR §60.502(f); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]
- iv. The Permittee shall act to assure that the terminal's and the cargo tank's vapor collection systems are connected during each loading of a gasoline cargo tank at the loading rack. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks.
[40 CFR §60.502(g); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]
- v. The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery cargo 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); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]
- vi. No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4,500 pascals (450 mm of water).
[40 CFR §60.502(i); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]
- vii. The Permittee shall at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
[40 CFR §63.11085(a)]
- viii. The Permittee shall:
[40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item Nos. 1(a-d)]

- (A) Equip loading rack with a vapor collection system designed to collect the Total Organic

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- Compounds (TOC) vapors displaced from cargo tanks during product loading; and
[40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(a)]
- (B) Reduce emissions of TOC to less than or equal to 80 mg/l of gasoline loaded into gasoline cargo tanks at the loading rack; and
[40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(b)]
- (C) Design and operate the vapor collection system to prevent any TOC vapors collected at one loading rack or lane from passing through another loading rack or lane to the atmosphere; and
[40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(c)]
- (D) Limit the loading of gasoline into gasoline cargo tanks that are vapor tight using the procedures specified in 40 CFR §60.502(e-j). For the purposes of this section, the term “tank truck” as used in 40 CFR §60.502(e-j) means “cargo tank” as defined in 40 CFR §63.11100.
[40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]
- ix. Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days.
[40 CFR §63.11089(d)]
- x. The Permittee shall comply with the applicable General Provisions requirements according to 40 CFR Part 63 Subpart BBBBBB, Table 3.
[40 CFR §63.11098; 40 CFR Part 63 Subpart BBBBBB, Table 3]
- xi. The Permittee shall properly install a vapor collection and vapor recovery system or its equivalent, maintain it in good working order and operation, and: [RCSA §22a-174-20(b)(2)]
- (A) The vapors discharged from the delivery vehicle during loading are processed by a vapor recovery system; and [RCSA §22a-174-20(b)(2)(A)]
- (B) The amount of VOCs released to the ambient air is less than 80 milligrams per liter of liquid loaded over a six hour period. To determine compliance with this requirement the reference methods and test procedures found in 40 CFR §60.503(a) and 40 CFR §60.503(c), respectively, shall be used. [RCSA §22a-174-20(b)(2)(B)]
- xii. The gasoline loading rack shall be equipped with loading arms that have a vapor collection adaptor, pneumatic, hydraulic, or other mechanical means to force a vapor-tight seal between the adapter and the hatch. A means shall be provided to prevent liquid organic compounds drainage from the loading device when it is removed from the hatch of any delivery vehicle, or to accomplish complete drainage before such removal. When loading is effected through means other than hatches, all loading and vapor lines shall be equipped with fittings which make vapor-tight connections and which close automatically when disconnected. [RCSA §22a-174-20(b)(3)]
- xiii. The Permittee shall develop a written operation and maintenance (O&M) plan for any equipment used to load or unload gasoline. [RCSA §22a-174-20(b)(16)(A)]
- xiv. The Permittee shall develop a formal training program implementing the O&M plan for any person who receives gasoline from a loading facility. [RCSA §22a-174-20(b)(16)(B)]

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- xv. The Permittee shall not provide, deliver, offer for sale, sell, or exchange in trade to any retailer or wholesale purchaser-consumer for use in a Control Area any gasoline which is not oxygenated gasoline during the Control Period for such Control Area except where an emergency exemption has been issued by the commissioner pursuant to RCSA §22a-174-28(g). [RCSA §22a-174-28(b)(1)]

b. Monitoring and Testing Requirements

- i. The Permittee shall cross-check each cargo tank's identification number, with the file of cargo tank vapor tightness documentation within two weeks after the corresponding cargo tank is loaded, unless either of the following conditions is maintained:

[40 CFR §§60.502(e)(3)(i) and (ii); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]

- (A) If less than an average of one gasoline cargo tank per month over the last 26 weeks is loaded without vapor tightness documentation then the documentation cross-check shall be performed each quarter; or

[40 CFR §60.502(e)(3)(i)(A); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]

- (B) If less than an average of one gasoline cargo tank per month over the last 52 weeks is loaded without vapor tightness documentation then the documentation cross-check shall be performed semiannually.

[40 CFR §60.502(e)(3)(i)(B); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]

- (C) If either the quarterly or semiannual cross-check reveals that these conditions were not maintained, the Permittee shall return to biweekly monitoring until such time as these conditions are again met.

[40 CFR §60.502(e)(3)(ii); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]

- ii. Alternate procedures to those described in 40 CFR §60.502(e)(1-5) for limiting gasoline cargo tank loadings may be used upon application to, and approval by, the Administrator.

[40 CFR §60.502(e)(6); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]

- iii. Each calendar month, the vapor collection system, the vapor processing system, and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for total organic compounds liquid or vapor leaks. For purposes of 40 CFR §60.502(j), detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be recorded and the source of the leak repaired within 15 calendar days after it is detected.

[40 CFR §60.502(j); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]

- iv. Immediately before the performance test required to determine compliance with 40 CFR §60.502(h), the Permittee shall use Method 21 to monitor for leakage of vapor all potential sources in the terminal's vapor collection system equipment while a gasoline cargo tank is being loaded. The

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Permittee shall repair all leaks with readings of 500 ppm (as methane) or greater before conducting the performance test.

[40 CFR §60.503(b); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]

- v. The Permittee shall determine compliance with the standard in 40 CFR §60.502(h) as follows:
- [40 CFR §60.503(d); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]
- (A) A pressure measurement device (liquid manometer, magnehelic gauge, or equivalent instrument), capable of measuring up to 500 mm of water gauge pressure with ± 2.5 mm of water precision, shall be calibrated and installed on the terminal's vapor collection system at a pressure tap located as close as possible to the connection with the gasoline cargo tank.
- [40 CFR §60.503(d)(1); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]
- (B) During the performance test, the pressure shall be recorded every five minutes while a gasoline truck is being loaded; the highest instantaneous pressure that occurs during each loading shall also be recorded. Every loading position shall be tested at least once during the performance test.
- [40 CFR §60.503(d)(2); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]
- vi. Each calendar month, the vapor collection system, the vapor processing system, and each loading rack handling gasoline shall be inspected during the loading of gasoline cargo tanks for total organic compounds liquid or vapor leaks. For purposes of this paragraph, detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be recorded and the source of the leak repaired within 15 calendar days after it is detected.
- [40 CFR §60.502(j); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]
- vii. If the Permittee's affected source's throughput ever exceeds an applicable throughput threshold in the definition of "bulk gasoline terminal" or in 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1, the affected source will remain subject to the requirements for sources above the threshold, even if the affected source throughput later falls below the applicable throughput threshold.
- [40 CFR §63.11081(f)]
- viii. The Permittee shall use the test methods and procedures in 40 CFR §60.503, except a reading of 500 parts per million shall be used to determine the level of leaks to be repaired under 40 CFR §60.503(b). [40 CFR §63.11088(d); 40 CFR §63.11092(a)(1)(i)]
- ix. The Permittee shall install, calibrate, certify, operate, and maintain, according to the manufacturer's specifications, a continuous monitoring system (CMS) while gasoline vapors are displaced to the vapor processor systems, as specified in 40 CFR §63.11092(b)(1-5). For each facility conducting a performance test under 40 CFR §63.11092(a)(1), the CMS shall be installed by January 10, 2011.
- [40 CFR §63.11088(d); 40 CFR §63.11092(b)]

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- x. For each performance test conducted under 40 CFR §63.11092(a)(1), the Permittee shall determine a monitored operating parameter value for the vapor processing system using the procedures specified in 40 CFR §63.11092(b)(1)(i-iv). During the performance test, continuously record the operating parameter as specified under 40 CFR §63.11092(b)(1)(i-iv).
[40 CFR §63.11088(d); 40 CFR §63.11092(b)(1)]
- xi. The Permittee shall monitor the operation of the carbon adsorption system by installing a continuous emissions monitoring system (CEMS) capable of measuring organic compound concentration in the exhaust air stream. [40 CFR §63.11088(d); 40 CFR §63.11092(b)(1)(i)(A)]
- xii. As an alternative to 40 CFR §63.11092(b)(1)(i)(A), the Permittee may choose to meet the requirements listed in 40 CFR §63.11092(b)(1)(i)(B)(I) and (2).
[40 CFR §63.11088(d); 40 CFR §63.11092(b)(1)(i)(B)]
- (A) Carbon adsorption devices shall be monitored as specified below:
[40 CFR §63.11088(d); 40 CFR §63.11092(b)(1)(i)(B)(I)]
- (B) Vacuum level shall be monitored using a pressure transmitter installed in the vacuum pump suction line, with the measurements displayed on a gauge that can be visually observed. Each carbon bed shall be observed during one complete regeneration cycle on each day of operation of the loading rack to determine the maximum vacuum level achieved.
[40 CFR §63.11088(d); 40 CFR §63.11092(b)(1)(i)(B)(I)(i)]
- (C) Conduct annual testing of the carbon activity for the carbon in each carbon bed. Carbon activity shall be tested in accordance with the butane working capacity test of the American Society for Testing and Materials (ASTM) Method D 5228-92 (incorporated by reference, see 40 CFR §63.14), or by another suitable procedure as recommended by the manufacturer.
[40 CFR §63.11088(d); 40 CFR §63.11092(b)(1)(i)(B)(I)(ii)]
- (D) Conduct monthly measurements of the carbon bed outlet volatile organic compounds (VOC) concentration over the last five minutes of an adsorption cycle for each carbon bed, documenting the highest measured VOC concentration. Measurements shall be made using a portable analyzer, or a permanently mounted analyzer, in accordance with 40 CFR Part 60, Appendix A-7, EPA Method 21 for open-ended lines.
[40 CFR §63.11088(d); 40 CFR §63.11092(b)(1)(i)(B)(I)(iii)]
- xiii. Develop and submit to the Administrator a monitoring and inspection plan that describes the Permittee's approach for meeting the requirements in 40 CFR §63.11092(b)(1)(i)(B)(2)(i-v).
[40 CFR §63.11088(d); 40 CFR §63.11092(b)(1)(i)(B)(2)]
- (A) The lowest maximum required vacuum level and duration needed to assure regeneration of the carbon beds shall be determined by an engineering analysis or from the manufacturer's recommendation and shall be documented in the monitoring and inspection plan.
[40 CFR §63.11088(d); 40 CFR §63.11092(b)(1)(i)(B)(2)(i)]

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- (B) The Permittee shall verify, during each day of operation of the loading rack, the proper valve sequencing, cycle time, gasoline flow, purge air flow, and operating temperatures. Verification shall be through visual observation, or through an automated alarm or shutdown system that monitors system operation. A manual or electronic record of the start and end of a shutdown event may be used. [40 CFR §63.11088(d); 40 CFR §63.11092(b)(1)(i)(B)(2)(ii)]
- (C) The Permittee shall perform semi-annual preventive maintenance inspections of the carbon adsorption system, including the automated alarm or shutdown system for those units so equipped, according to the recommendations of the manufacturer of the system.
[40 CFR §63.11088(d); 40 CFR §63.11092(b)(1)(i)(B)(2)(iii)]
- (D) The monitoring plan shall specify conditions that would be considered malfunctions of the carbon adsorption system during the inspections or automated monitoring performed under 40 CFR §63.11092(b)(1)(i)(B)(2)(i-iii), describe specific corrective actions that will be taken to correct any malfunction, and define what the Permittee would consider to be a timely repair for each potential malfunction. [40 CFR §63.11088(d); 40 CFR §63.11092(b)(1)(i)(B)(2)(iv)]
- xiv. The Permittee shall determine an operating parameter value based on the parameter data monitored during the performance test, supplemented by engineering assessments and the manufacturer's recommendations. [40 CFR §63.11088(d); 40 CFR §63.11092(b)(3)]
- xv. The Permittee shall provide for the Administrator's approval the rationale for the selected operating parameter value, monitoring frequency, and averaging time, including data and calculations used to develop the value and a description of why the value, monitoring frequency, and averaging time demonstrate continuous compliance with the emission standard in 40 CFR §63.11088(a).
[40 CFR §63.11088(d); 40 CFR §63.11092(b)(4)]
- xvi. If the Permittee has chosen to comply with the performance testing alternatives provided under 40 CFR §63.11092(a)(2), the monitored operating parameter value may be determined according to the provisions in 40 CFR §63.11092(b)(5)(i) or (ii): [40 CFR §63.11088(d); 40 CFR §63.11092(b)(5)]
- (A) Monitor an operating parameter that has been approved by the Administrator and is specified in the facility's current enforceable operating permit. At the time that the Administrator requires a new performance test, the Permittee shall determine the monitored operating parameter value according to the requirements specified in 40 CFR §63.11092(b).
[40 CFR §63.11088(d); 40 CFR §63.11092(b)(5)(i)]
- (B) Determine an operating parameter value based on engineering assessment and the manufacturer's recommendation and submit the information specified in 40 CFR §63.11092(b)(4) for approval by the Administrator. At the time that the Administrator requires a new performance test, the Permittee shall determine the monitored operating parameter value according to the requirements specified in 40 CFR §63.11092(b). [40 CFR §63.11088(d); 40 CFR §63.11092(b)(5)(ii)]
- xvii. The Permittee shall operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the operating parameter value for the parameters described in 40 CFR §63.11092(b)(1). [40 CFR §63.11088(d); 40 CFR §63.11092(d)(1)]
- xviii. The Permittee shall not operate the vapor processing system in a manner exceeding or going below the operating parameter value, as appropriate, shall constitute a violation of the emission standard in

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40 CFR §63.11088(a). [40 CFR §63.11088(d); 40 CFR §63.11092(d)(3)]

- xix. The annual certification test for gasoline cargo tanks shall consist of 40 CFR Part 60 Appendix A-8 EPA Method 27. Conduct the test using a time period (t) for the pressure and vacuum tests of five minutes. The initial pressure (Pi) for the pressure test shall be 460 millimeters (mm) of water (18 inches of water), gauge. The initial vacuum (Vi) for the vacuum test shall be 150 mm of water (6 inches of water), gauge. The maximum allowable pressure and vacuum changes (Δp , Δv) for all affected gasoline cargo tanks is 3 inches of water, or less, in five minutes.
[40 CFR §63.11088(d); 40 CFR §63.11092(f)(1)]
- xx. Performance tests shall be conducted under such conditions as the Administrator specifies to the Permittee, based on representative performance (i.e., performance based on normal operating conditions) of the affected source. Upon request, the Permittee shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests.
[40 CFR §63.11088(d); 40 CFR §63.11092(g)]
- xxi. The Permittee shall perform a monthly leak inspection of all equipment in gasoline service, as defined in 40 CFR §63.11100. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. [40 CFR §63.11089(a)]
- xxii. The Permittee shall conduct emissions testing of the VRU, to determine its VOC emissions, once every five years from the date of the previous test. Such test shall be conducted in accordance with an Intent-to-Test protocol submitted by the Permittee and approved by the commissioner.
[RCSA §22a-174-5(e)(2)]
- xxiii. The Permittee shall not cause, allow or permit leakage from any equipment in VOC service, including but not limited to pumps, valves and compressors. The owner or operator of any equipment in VOC service that is leaking as determined by sight, smell, sound or measurement of VOCs in excess of 5000 parts per million shall repair such leak no later than 15 days after detection. A request to delay a repair of a leak may be made to the commissioner and the Administrator in writing if the repair is infeasible for technical or safety reasons. Such a request shall be submitted no later than 15 days after detection of the leak. [RCSA §22a-174-20(b)(17)]
- xxiv. When determining the oxygen content by weight of gasoline, the Permittee shall:
- (A) Use the values listed in RCSA §22a-174-28, Table 28-1 and the procedures listed in RCSA §§22a-174-28(c)(2-4). All volume measures shall be adjusted to 60 °F.
[RCSA §22a-174-28(c)(1)]
 - (B) Obtain a representative sample in accordance with EPA's sampling procedures as detailed in 40 CFR Part 80, Appendix D. [RCSA §22a-174-28(c)(2)]
 - (C) Determine the mass concentration of each oxygenate in the sample by one of the following test methods: [RCSA §§22a-174-28(c)(3)(A) and (B)]
 - (1) ASTM Method 4815-89 (ASTM standard test method for determination of C1 to C4 alcohols and MTBE in gasoline by gas chromatography); or

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- (2) Appendix C to EPA's Supplemental Notice of Proposed Guidelines for Oxygenated Gasoline Credit Programs under Section 211(m) of the Clean Air Act as amended, printed in the February 5, 1992 Federal Register (57 FR 4444); and
- (D) Calculate the oxygen content by weight by using the oxygen content conversion procedures from EPA's Supplemental Notice of Proposed Guidelines for Oxygenated Gasoline Credit Programs under Section 211(m) of the Clean Air Act as amended, printed in the February 5, 1992 Federal Register (57 FR 4425). [RCSA §22a-174-28(c)(4)]

c. Record Keeping Requirements

- i. The documentation file for each gasoline cargo tank shall be updated at least once per year to reflect current test results as determined by Method 27. This documentation shall include, as a minimum, the following information:
[40 CFR §60.502(e)(1); 40 CFR §60.505(b)(1-8); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]
 - (A) Test title: Gasoline Delivery Tank Pressure Test—EPA Reference Method 27
 - (B) Tank owner and address
 - (C) Tank identification number
 - (D) Testing location
 - (E) Date of test
 - (F) Tester name and signature
 - (G) Witnessing inspector, if any: Name, signature, and affiliation
 - (H) Test results: Actual pressure change in five minutes, mm of water (average for two runs)
- ii. The Permittee shall keep records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
[40 CFR §63.11085(b); 40 CFR §63.11088(f); 40 CFR §63.11089(g); 40 CFR §63.11094(g)(1)]
- iii. The Permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
[40 CFR §63.11085(b); 40 CFR §63.11088(f); 40 CFR §63.11089(g); 40 CFR §63.11094(g)(2)]
- iv. The Permittee shall document the maximum vacuum level observed on each carbon bed from each daily inspection and the maximum VOC concentration observed from each carbon bed on each monthly inspection as well as any system malfunction, as defined in the monitoring and inspection plan, and any activation of the automated alarm or shutdown system with a written entry into a log book or other permanent form of record. Such record shall also include a description of the corrective action taken and whether such corrective actions were taken in a timely manner, as

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defined in the monitoring and inspection plan, as well as an estimate of the amount of gasoline loaded during the period of the malfunction.

[40 CFR §63.11088(d); 40 CFR §63.11092(b)(1)(i)(B)(2)(v)]

- v. For performance tests performed after the initial test, the Permittee shall document the reasons for any change in the operating parameter value since the previous performance test.

[40 CFR §63.11088(d); 40 CFR §63.11092(c)]

- vi. The Permittee shall keep records of the test results for each gasoline cargo tank loading at the facility as specified in 40 CFR §63.11094(b)(1-3): [40 CFR §63.11088(f); 40 CFR §63.11094(b)]

- (A) Annual certification testing performed under 40 CFR §63.11092(f)(1).

[40 CFR §63.11088(f); 40 CFR §63.11094(b)(1)]

- (B) The documentation file shall be kept up-to-date for each gasoline cargo tank loading at the facility. The documentation for each test shall include, as a minimum, the following information: [40 CFR §63.11088(f); 40 CFR §63.11094(b)(2)(i-viii)]

(1) Name of test: Annual Certification Test—Method 27

(2) Cargo tank owner's name and address

(3) Cargo tank identification number

(4) Test location and date

(5) Tester name and signature

(6) Witnessing inspector, if any: Name, signature, and affiliation

(7) Vapor tightness repair: Nature of repair work and when performed in relation to vapor tightness testing

(8) Test results: Test pressure; pressure or vacuum change, mm of water; time period of test; number of leaks found with instrument; and leak definition

- vii. As an alternative to keeping records at the terminal of each gasoline cargo tank test result as required in 40 CFR §63.11094(b), the Permittee may comply with the requirements in either 40 CFR §63.11094(c)(1) or (c)(2). [40 CFR §63.11088(f); 40 CFR §63.11094(c)]

- (A) An electronic copy of each record is instantly available at the terminal.

[40 CFR §63.11088(f); 40 CFR §63.11094(c)(1)]

- (1) The copy of each record in 40 CFR §63.11094(c)(1) is an exact duplicate image of the original paper record with certifying signatures.

[40 CFR §63.11088(f); 40 CFR §63.11094(c)(1)(i)]

- (B) For facilities that use a terminal automation system to prevent gasoline cargo tanks that do not have valid cargo tank vapor tightness documentation from loading (e.g., via a card lock-

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out system), a copy of the documentation is made available (e.g., via facsimile) for inspection by the Administrator's delegated representatives during the course of a site visit, or within a mutually agreeable time frame. [40 CFR §63.11088(f); 40 CFR §63.11094(c)(2)]

(1) The copy of each record in 40 CFR §63.11094(c)(2) is an exact duplicate image of the original paper record with certifying signatures.

[40 CFR §63.11088(f); 40 CFR §63.11094(c)(2)(i)]

- viii. Keep an up-to-date, readily accessible record of the continuous monitoring data required under 40 CFR §63.11092(b). This record shall indicate the time intervals during which loadings of gasoline cargo tanks have occurred or, alternatively, shall record the operating parameter data only during such loadings. The date and time of day shall also be indicated at reasonable intervals on this record. [40 CFR §63.11088(f); 40 CFR §63.11094(f)(1)]
- ix. Record and report simultaneously with the Notification of Compliance Status required under 40 CFR §63.11093(b): All data and calculations, engineering assessments, and manufacturer's recommendations used in determining the operating parameter value under 40 CFR §63.11092(b). [40 CFR §63.11088(f); 40 CFR §63.11094(f)(2)(i)]
- x. A log book shall be used and shall be signed by the Permittee at the completion of each inspection. A section of the log book shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility. [40 CFR §63.11089(b)]
- xi. Each detection of a liquid or vapor leak shall be recorded in the log book. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than five calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak, except as provided in 40 CFR §63.11089(d).
[40 CFR §63.11089(c)]
- xii. The Permittee shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service. For facilities electing to implement an instrument program under 40 CFR §63.11089, the record shall contain a full description of the program.
[40 CFR §63.11089(g); 40 CFR §63.11094(d)]
- xiii. The Permittee shall record in the log book for each leak that is detected the information specified in 40 CFR §§63.11094(e)(1-7). [40 CFR §63.11089(g); 40 CFR §§63.11094(e)(1-7)]
 - (A) The equipment type and identification number.
 - (B) The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell).
 - (C) The date the leak was detected and the date of each attempt to repair the leak.
 - (D) Repair methods applied in each attempt to repair the leak.
 - (E) "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak.

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- (F) The expected date of successful repair of the leak if the leak is not repaired within 15 days.
- (G) The expected date of successful repair of the leak if the leak is not repaired within 15 days.
- xiv. The Permittee shall maintain a copy of the O&M plan and training program materials at the subject facility. [RCSA §22a-174-20(b)(16)(C)]
- xv. The Permittee shall maintain monthly records demonstrating implementation of the O&M plan, including records of persons completing the training program at the facility.
[RCSA §22a-174-20(b)(16)(D)]
- xvi. The Permittee shall make and keep records at such terminal containing the following information regarding oxygenated gasoline: [RCSA §§22a-174-28(d)(1)(A-F)]
 - (A) The owner(s) of the gasoline;
 - (B) Volume of each delivery going into or out of the terminal;
 - (C) Type and percentage by volume of oxygenate in the gasoline being delivered if available;
 - (D) Oxygen content by weight of each delivery received at the terminal;
 - (E) The date of such sale or transfer; and
 - (F) Results of tests for oxygenate, including the test method and sampling procedure and the name of the person or company who performed such tests.
- xvii. The Permittee shall make and keep copies of transfer documents specified in RCSA §22a-174-28(e) for each delivery of gasoline during the Control Period for such Control Area.
[RCSA §22a-174-28(d)(3)]
- xviii. At the time of delivery the Permittee shall provide a transfer document to any retailer or wholesale purchaser-consumer located in a Control Area accepting such delivery during the Control Period for such Control Area. The transfer document may consist of an invoice, bill of lading, shipping paper or other documentation signed by the Permittee. The transfer document shall contain:
[RCSA §22a-174-28(e)(1-5)]
 - (A) The date of delivery;
 - (B) The name and address of the distributor or carrier;
 - (C) The volume of oxygenated gasoline being delivered;
 - (D) A statement that the product is oxygenated gasoline; and
 - (E) The type of oxygenate used.
- xix. The Permittee shall make and keep the following records: [RCSA §22a-174-33(j)(1)(K)(ii)]

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- (A) Quarterly performance audits performed on the VRU system;
 - (B) Annual VOC emissions based on emission factors from most recent VRU stack test results;
 - (C) All testing, calibration, and maintenance of the monitoring and recording equipment; and
 - (D) All calculations, parameters, assumptions, references, and data, including source test data, relevant to the emission factors used to determine the VOC emission rates from the VRU.
- xx. The Permittee shall make and keep the following records: [RCSA §22a-174-33(j)(1)(K)(ii)]
- (A) Date of inspection;
 - (B) Findings from the inspection;
 - (C) Leak determination method (i.e. sight, sound, and smell);
 - (D) Corrective action taken (dates each leak repaired, reasons for any repair interval in excess of 15 days); and
 - (E) Inspector name and signature.
- xxi. The Permittee shall make and keep records sufficient to show compliance with the applicable General Provisions requirements of 40 CFR Part 63 Subpart BBBBBB, Table 3.
[RCSA §22a-174-33(j)(K)(ii)]

d. Reporting Requirements

- i. The Permittee shall notify the owner or operator of each non-vapor-tight gasoline cargo tank loaded at the affected facility within one week of the documentation cross-check in 40 CFR §60.502(e)(3). [40 CFR §60.502(e)(4); 40 CFR §63.11088(a); 40 CFR Part 63 Subpart BBBBBB, Table 2, Item No. 1(d)]
- ii. The Permittee shall submit a semiannual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report shall also include a description of actions taken by the Permittee during a malfunction of an affected source to minimize emissions in accordance with 40 CFR §63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semiannual compliance report, if one is required. The Permittee is not required to submit reports for periods during which no malfunctions occurred.
[40 CFR §63.11085(b); 40 CFR §63.11088(f); 40 CFR §63.11089(g); 40 CFR §63.11095(d)]
- iii. The Permittee may submit a statement by a responsible official of the facility certifying the compliance status of the loading rack with State rule (i.e. RCSA §22a-174-20(b)(2)(B), 80 milligrams (mg), or less, per liter of gasoline loaded (mg/l)) in lieu of the test required under 40 CFR §63.11092(a)(1). [40 CFR §63.11088(d); 40 CFR §63.11092(a)(2)]
- iv. The Permittee shall submit to the Administrator a monitoring and inspection plan that describes the

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approach for meeting the requirements in 40 CFR §§63.11092(b)(1)(i)(B)(2)(i-v).

[40 CFR §63.11088(d); 40 CFR §63.11092(b)(1)(i)(B)(2)]

- v. The Permittee shall submit an Initial Notification as specified in 40 CFR §63.9(b). If the facility is in compliance with the requirements of 40 CFR Part 63 Subpart BBBBBB at the time the Initial Notification is due, the Notification of Compliance Status required under 40 CFR §63.11093(b) may be submitted in lieu of the Initial Notification.

[40 CFR §63.11088(c); 40 CFR §63.11089(f); 40 CFR §63.11093(a)]

- vi. The Permittee shall submit a Notification of Performance Test, as specified in 40 CFR §63.9(e), prior to initiating testing required by §63.11092(a) or §63.11092(b).

[40 CFR §63.11088(e); 40 CFR §63.11093(c)]

- vii. The Permittee shall submit additional notifications specified in 40 CFR §63.9, as applicable.

[40 CFR §63.11088(e); 40 CFR §63.11089(f); 40 CFR §63.11093(d)]

- viii. The Administrator is notified in writing that each terminal using:

(A) the alternative in 40 CFR §63.11094(c)(1), is in compliance with 40 CFR §63.11094(c)(1); or
[40 CFR §63.11088(f); 40 CFR §63.11094(c)(1)(ii)]

(B) the alternative in 40 CFR §63.11094(c)(2), is in compliance with 40 CFR §63.11094(c)(2).

[40 CFR §63.11088(f); 40 CFR §63.11094(c)(2)(ii)]

- ix. The Permittee shall include in a semiannual compliance report to the Administrator the following information: [40 CFR §63.11088(f); 40 CFR §63.11089(g); 40 CFR §63.11095(a)(2) and (3)]

(A) For loading racks, each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility.

[40 CFR §63.11088(f); 40 CFR §63.11095(a)(2)]

(B) For equipment leak inspections, the number of equipment leaks not repaired within 15 days after detection. [40 CFR §63.11089(g); 40 CFR §63.11095(a)(3)]

- x. The Permittee shall submit an excess emissions report to the Administrator at the time the semiannual compliance report is submitted. Excess emissions events under 40 CFR Part 63 Subpart BBBBBB, and the information to be included in the excess emissions report, are specified in 40 CFR §63.11095(b)(1-5).

[40 CFR §63.11088(f); 40 CFR §63.11089(d) and (g); 40 CFR §63.11095(b)]

(A) Each instance of a non-vapor-tight gasoline cargo tank loading at the facility in which the Permittee failed to take steps to assure that such cargo tank would not be reloaded at the facility before vapor tightness documentation for that cargo tank was obtained.

[40 CFR §63.11088(f); 40 CFR §63.11095(b)(1)]

(B) Each reloading of a non-vapor-tight gasoline cargo tank at the facility before vapor tightness documentation for that cargo tank is obtained by the facility in accordance with 40 CFR

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§63.11094(b). [40 CFR §63.11088(f); 40 CFR §63.11095(b)(2)]

(C) Each exceedance or failure to maintain, as appropriate, the monitored operating parameter value determined under 40 CFR §63.11092(b). The report shall include the monitoring data for the days on which exceedances or failures to maintain have occurred, and a description and timing of the steps taken to repair or perform maintenance on the vapor collection and processing systems or the CMS. [40 CFR §63.11088(f); 40 CFR §63.11095(b)(3)]

(D) For each occurrence of an equipment leak for which no repair attempt was made within five days or for which repair was not completed within 15 days after detection:

[40 CFR §63.11089(d) and (g); 40 CFR §63.11095(b)(5)(i-iv)]

- (1) The date on which the leak was detected;
- (2) The date of each attempt to repair the leak;
- (3) The reasons for the delay of repair; and
- (4) The date of successful repair.

xi. The Permittee shall provide in the semiannual report specified in 40 CFR §63.11095(b), the reason(s) why the repair of leaking equipment was not feasible and the date each repair was completed. [40 CFR §63.11089(d)]

2. Fuel Sulfur Content

a. *Limitation or Restriction*

No person shall store, offer for sale, sell, deliver or exchange in trade, for combustion in a stationary source in the state of Connecticut, fuel that contains sulfur in excess of 15 ppm (0.0015%) by weight, except as provided in subsection RCSA §22a-174-19b(c) or (e).

[RCSA §22a-174-19b(d)(1), Table 19b-1]

b. *Monitoring Requirements*

i. Sulfur content shall be analyzed in accordance with American Society for Testing and Material (ASTM) test method D4294-10, *Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry*, or D7039-07, *Standard Test Method for Sulfur in Gasoline and Diesel Fuel by Monochromatic Wavelength Dispersive X-ray Fluorescence Spectrometry*, or the current active version thereof, and automatic sampling equipment shall conform to ASTM test method D4177-95(2010), *Standard Practice for Automatic Sampling of Petroleum and Petroleum Products*, or the current active version thereof. [RCSA §22a-174-19b(f)(3)]

ii. Any person may request the use of a method to analyze the sulfur content of fuel other than the method identified in RCSA §22a-174-19b(f)(3), if the method is approved by a voluntary standards body such as ASTM or the International Standards Organization. Such a request shall name and describe the alternative method for which approval is sought, the approving organization, and shall be submitted to the commissioner and Administrator for review and approval. Such alternative method may not be the sole method used to determine the sulfur content of fuel until approved by

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the commissioner and the Administrator. [RCSA §22a-174-19b(f)(4)]

c. Record Keeping Requirements

The Permittee shall maintain records sufficient to determine compliance with the limitation or restriction in Section III.C.2.a of this Title V permit. [RCSA §22a-174-33(j)(1)(K)]

d. Reporting Requirements

The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

D. EU-12 (Distillate Loading Rack)

Registration or Regulation Numbers: Registration No. 117-0815 and RCSA §22a-174-19b

1. Fuel Sulfur Content

a. Limitation or Restriction

No person shall store, offer for sale, sell, deliver or exchange in trade, for combustion in a stationary source in the state of Connecticut, fuel that contains sulfur in excess of 15 ppm (0.0015%) by weight, except as provided in subsection RCSA §22a-174-19b(c) or (e).

[RCSA §22a-174-19b(d)(1), Table 19b-1]

b. Monitoring Requirements

i. Sulfur content shall be analyzed in accordance with American Society for Testing and Material (ASTM) test method D4294-10, *Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry*, or D7039-07, *Standard Test Method for Sulfur in Gasoline and Diesel Fuel by Monochromatic Wavelength Dispersive X-ray Fluorescence Spectrometry*, or the current active version thereof, and automatic sampling equipment shall conform to ASTM test method D4177-95(2010), *Standard Practice for Automatic Sampling of Petroleum and Petroleum Products*, or the current active version thereof. [RCSA §22a-174-19b(f)(3)]

ii. Any person may request the use of a method to analyze the sulfur content of fuel other than the method identified in RCSA §22a-174-19b(f)(3), if the method is approved by a voluntary standards body such as ASTM or the International Standards Organization. Such a request shall name and describe the alternative method for which approval is sought, the approving organization, and shall be submitted to the commissioner and Administrator for review and approval. Such alternative method may not be the sole method used to determine the sulfur content of fuel until approved by the commissioner and the Administrator. [RCSA §22a-174-19b(f)(4)]

c. Record Keeping Requirements

The Permittee shall maintain records sufficient to determine compliance with the limitation or restriction in Section III.D.1.a of this Title V permit. [RCSA §22a-174-33(j)(1)(K)]

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d. Reporting Requirements

The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

E. EU-38 (Boiler No. 1)

Regulation Numbers: 40 CFR Part 63 Subpart JJJJJJ(6J) and RCSA §22a-174-19b

1. Tune-Up

a. Limitation or Restriction

- i. The Permittee shall conduct an initial tune-up as specified in 40 CFR §63.11214 and conduct a tune-up of the boiler every five years as specified in 40 CFR §63.11223. Each five-year tune-up shall be conducted no more than 61 months after the previous tune-up.
[40 CFR §63.11201(b); 40 CFR §63.11223(e); 40 CFR Part 63 Subpart JJJJJJ, Table 2, Item No. 12]
- ii. The Permittee shall conduct a performance tune-up according to 40 CFR §63.11210(c) and 40 CFR §63.11223(b).
[40 CFR §63.11201(b); 40 CFR §63.11214(b); 40 CFR Part 63 Subpart JJJJJJ, Table 2, Item No. 12]
- iii. At all times the Permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the Permittee to make any further efforts to reduce emissions if levels required by 40 CFR Part 63 Subpart JJJJJJ have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR §63.11205(a)]
- iv. The Permittee shall demonstrate compliance with the timeframes in 40 CFR §63.11210(j).
[40 CFR §63.11210(c); 40 CFR §63.11214(b)]
- v. The Permittee shall conduct a performance tune-up according to 40 CFR §63.11223(b) and keep records as required in 40 CFR §63.11225(c) to demonstrate continuous compliance. The Permittee shall conduct the tune-up while burning the type of fuel (or fuels in the case of boilers that routinely burn two types of fuels at the same time) that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up. [40 CFR §63.11223(a)]
- vi. The Permittee shall comply with the applicable General Provisions requirements according to 40 CFR Part 63 Subpart JJJJJJ, Table 8.
[40 CFR §63.11235; 40 CFR Part 63 Subpart JJJJJJ, Table 8]

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b. Monitoring Requirements

- i. The Permittee shall conduct a tune-up every five years as specified in 40 CFR §63.11223(b)(1-7). Each five-year tune-up shall be conducted no more than 61 months after the previous tune-up. The Permittee may delay the burner inspection specified in 40 CFR §63.11223(b)(1) and inspection of the system controlling the air-to-fuel ratio specified in 40 CFR §63.11223(b)(3) until the next scheduled unit shutdown, but the Permittee shall inspect each burner and system controlling the air-to-fuel ratio at least once every 72 months.

[40 CFR §63.11214(b); 40 CFR §63.11223(a); 40 CFR §63.11223(b); 40 CFR §63.11223(e)]

- (A) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the Permittee may delay the burner inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection).

[40 CFR §63.11223(b)(1)]

- (B) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available. [40 CFR §63.11223(b)(2)]

- (C) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the Permittee may delay the inspection until the next scheduled unit shutdown, not to exceed 36 months from the previous inspection).

[40 CFR §63.11223(b)(3)]

- (D) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject. [40 CFR §63.11223(b)(4)]

- (E) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

[40 CFR §63.11223(b)(5)]

- (F) If the unit is not operating on the required date for a tune-up, the tune-up shall be conducted within 30 days of startup. [40 CFR §63.11223(b)(7)]

c. Record Keeping Requirements

- i. The Permittee shall maintain on-site and submit, if requested by the Administrator, a report containing the following information: [40 CFR §§63.11223(b)(6)(i-iii)]

- (A) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler.

- (B) A description of any corrective actions taken as a part of the tune-up of the boiler.

- (C) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but

Section III: Applicable Requirements and Compliance Demonstration

only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.

- ii. The Permittee shall maintain the following records: [40 CFR §63.11225(c)]
 - (A) As required in 40 CFR §63.10(b)(2)(xiv), the Permittee shall keep a copy of each notification and report that was submitted to comply with 40 CFR Part 63 Subpart JJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted. [40 CFR §63.11225(c)(1)]
 - (B) The Permittee shall keep records to document conformance with the work practices, emission reduction measures, and management practices required by 40 CFR §63.11214 and 40 CFR §63.11223 as specified: Records shall identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned. [40 CFR §63.11225(c)(2)(i)]
 - (C) Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment. [40 CFR §63.11225(c)(4)]
 - (D) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in 40 CFR §63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation. [40 CFR §63.11225(c)(5)]
- iii. The Permittee's records shall be in a form suitable and readily available for expeditious review. The Permittee shall keep each record for five years following the date of each recorded action. The Permittee shall keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least two years after the date of each recorded action. The Permittee may keep the records off site for the remaining three years.
[40 CFR §63.11225(d)]
- iv. The Permittee shall make and keep records sufficient to show compliance with the applicable General Provisions requirements of 40 CFR Part 63 Subpart JJJJJ, Table 8.
[RCSA §22a-174-33(j)(K)(ii)]

d. Reporting Requirements

- i. The Permittee shall submit a signed statement in the Notification of Compliance Status report that indicates that the Permittee conducted an initial tune-up of the boiler.
[40 CFR §63.11201(b); 40 CFR §63.11214(b); 40 CFR Part 63 Subpart JJJJJ, Table 2, Item No. 12]
- ii. The Permittee shall submit the notifications specified below to the administrator:
[40 CFR §63.11225(a)]
 - (A) The Permittee shall submit all of the applicable notifications in 40 CFR §§63.7(b); 63.8(e) and (f); and 63.9(b-e), (g), and (h) by the dates specified in those sections except as specified in 40 CFR §§63.11225(a)(2) and (4). [40 CFR §63.11225(a)(1)]

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- (B) An Initial Notification shall be submitted no later than 120 days after the source becomes subject to the standard. [40 CFR §63.11225(a)(2)]
- (C) The Permittee shall submit the Notification of Compliance Status no later than 120 days after the applicable compliance date specified in 40 CFR §63.11196. The Permittee shall submit the Notification of Compliance Status in accordance with 40 CFR §§63.11225(a)(4)(i) and (vi). The Notification of Compliance Status shall include the information and certification(s) of compliance in 40 CFR §§63.11225(a)(4)(i-v), as applicable, and signed by a responsible official. [40 CFR §63.11225(a)(4)]
 - (1) The Permittee shall submit the information required in 40 CFR §63.9(h)(2), except the information listed in 40 CFR §63.9(h)(2)(i)(B), (D), (E), and (F). If the Permittee conducted any opacity or visible emission observations, or other monitoring procedures or methods, the Permittee shall submit that data to the Administrator at the appropriate address listed in 40 CFR §63.13. [40 CFR §63.11225(a)(4)(i)]
 - (2) “This facility complies with the requirements in 40 CFR §63.11214 to conduct an initial tune-up of the boiler.” [40 CFR §63.11225(a)(4)(ii)]
 - (3) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: “No secondary materials that are solid waste were combusted in any affected unit.” [40 CFR §63.11225(a)(4)(v)]
 - (4) The notification shall be submitted electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status shall be submitted to the Administrator at the appropriate address listed in 40 CFR §63.13. [40 CFR §63.11225(a)(4)(vi)]
- iii. The Permittee shall prepare, by March 1, and submit to the delegated authority upon request, compliance certification report containing the information specified in 40 CFR §63.11225(b)(1-4). The Permittee may prepare only a five-year compliance report as specified in 40 CFR §63.11225(b)(1) and (2). [40 CFR §63.11225(b)]
 - (A) Company name and address. [40 CFR §63.11225(b)(1)]
 - (B) Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart. The Permittee’s notification shall include the following certification(s) of compliance, as applicable, and signed by a responsible official: [40 CFR §63.11225(b)(2)]
 - (1) “This facility complies with the requirements in 40 CFR §63.11223 to conduct a five-year tune-up, as applicable, of each boiler.” [40 CFR §63.11225(b)(2)(i)]
 - (2) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: “No secondary materials that are solid waste were combusted in any affected unit.” [40 CFR §63.11225(b)(2)(ii)]

Section III: Applicable Requirements and Compliance Demonstration

2. Fuel Sulfur Content

a. Limitation or Restriction

The Permittee shall not combust fuel in the stationary source that contains sulfur in excess of 15 ppm (0.0015%) by weight, except as provided in RCSA §§22a-174-19b(c) or -19b(e).

[RCSA §22a-174-19b(d)(2), Table 19b-1]

b. Monitoring Requirements

Record keeping specified in Section III.E.2.c of this Title V permit shall be sufficient to meet other Monitoring Requirements pursuant to RCSA §22a-174-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

- i. The Permittee shall make and keep records of the sulfur content of the fuel combusted and the quantity purchased for combustion. A written certification or a written contract with a fuel supplier is sufficient to satisfy the requirements of this subdivision if the certification or contract identifies: [RCSA §22a-174-19b(g)(3)(A-D)]

(A) The name of the fuel seller;

(B) The type of fuel purchased;

(C) The sulfur content of the fuel purchased; and

(D) The method used to determine the sulfur content of the fuel purchased.

d. Reporting Requirements

The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

Section III: Applicable Requirements and Compliance Demonstration

F. PREMISES-WIDE GENERAL REQUIREMENTS

1. **Annual Emission Statements:** The Permittee shall submit annual emission statements requested by the commissioner as set forth in RCSA §22a-174-4(d)(1).
2. **Emission Testing:** The Permittee shall comply with the procedures for sampling, emission testing, sample analysis, and reporting as set forth in RCSA §22a-174-5.
3. **Emergency Episode Procedures:** The Permittee shall comply with the procedures for emergency episodes as set forth in RCSA §22a-174-6.
4. **Reporting of Malfunctioning Control Equipment:** The Permittee shall comply with the reporting requirements of malfunctioning control equipment as set forth in RCSA §22a-174-7.
5. **Prohibition of Air Pollution:** The Permittee shall comply with the requirement to prevent air pollution as set forth in RCSA §22a-174-9.
6. **Public Availability of Information:** The public availability of information shall apply, as set forth in RCSA §22a-174-10.
7. **Prohibition Against Concealment/Circumvention:** The Permittee shall comply with the prohibition against concealment or circumvention as set forth in RCSA §22a-174-11.
8. **Violations and Enforcement:** The Permittee shall not violate or cause the violation of any applicable regulation as set forth in RCSA §22a-174-12.
9. **Variances:** The Permittee may apply to the commissioner for a variance from one or more of the provisions of these regulations as set forth in RCSA §22a-174-13.
10. **No Defense to Nuisance Claim:** The Permittee shall comply with the regulations as set forth in RCSA §22a-174-14.
11. **Severability:** The Permittee shall comply with the severability requirements as set forth in RCSA §22a-174-15.
12. **Responsibility to Comply:** The Permittee shall be responsible to comply with the applicable regulations as set forth in RCSA §22a-174-16.
13. **Particulate Emissions:** The Permittee shall comply with the standards for control of particulate matter and visible emissions as set forth in RCSA §22a-174-18.
14. **Fuel Sulfur Content:** The Permittee shall not use No. 2 heating oil that exceeds fifteen parts per million of sulfur by weight as set forth in CGS §16a-21a(a)(2)(B).
15. **Sulfur Compound Emissions:** The Permittee shall comply with the requirements for control of sulfur compound emissions as set forth in RCSA §§22a-174-19, 22a-174-19a and 22a-174-19b, as applicable.
16. **Organic Compound Emissions:** The Permittee shall comply with the requirements for control of organic compound emissions as set forth in RCSA §22a-174-20.

Section III: Applicable Requirements and Compliance Demonstration

- 17. Nitrogen Oxide Emissions:** The Permittee shall comply with the requirements for control of nitrogen oxide emissions as set forth in RCSA §22a-174-22f.
- 18. Ambient Air Quality:** The Permittee shall not cause or contribute to a violation of an ambient air quality standard as set forth in RCSA §22a-174-24(b).
- 19. Open Burning:** The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).
- 20. Asbestos:** Should the premises, as defined in 40 CFR §61.145, become subject to the national emission standard for asbestos regulations in 40 CFR Part 61 Subpart M when conducting any renovation or demolition at this premises, then the Permittee shall submit proper notification as described in 40 CFR §61.145(b) and shall comply with all other applicable requirements of 40 CFR Part 61 Subpart M.
- 21. Emission Fees:** The Permittee shall pay an emission fee as set forth in RCSA §22a-174-26(d).
- 22. Hazardous Air Pollutants (HAP):** The premises-wide emissions of all Federal HAP, as listed in section 112(b) of the Clean Air Act and 40 CFR Part 63 Subpart C (as amended from time to time), shall not equal or exceed 10 tons per year for any individual HAP or 25 tons per year for all HAP in aggregate.

Section IV: Compliance Schedule

Section IV: THERE IS NO COMPLIANCE SCHEDULE

Section V: State Enforceable Terms and Conditions

Only the Commissioner of the Department of Energy and Environmental Protection has the authority to enforce the terms, conditions and limitations contained in this section.

SECTION V: STATE ENFORCEABLE TERMS AND CONDITIONS

- A.** This Title V permit does not relieve the Permittee of the responsibility to conduct, maintain and operate the emissions units in compliance with all applicable requirements of any other Bureau of the Department of Energy and Environmental Protection or any federal, local or other state agency. Nothing in this Title V permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- B.** Nothing in this Title V permit shall affect the commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, investigate air pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the Permittee by the commissioner.
- C.** Additional Emissions Units
 - 1.** The Permittee shall make and submit a written record, at the commissioner's request, within 30 days of receipt of notice from the commissioner, or by such other date specified by the commissioner, of each additional emissions unit or group of similar or identical emissions units at the premises.
 - 2.** Such record of additional emissions units shall include each emissions unit, or group of emissions units, at the premises which is not listed in Section II.A of this Title V permit, unless the emissions unit, or group of emissions units, is:
 - a. an insignificant emissions unit as defined in RCSA §22a-174-33; or
 - b. an emissions unit or activity listed in *White Paper for Streamlined Development of Part 70 Permit Applications, Attachment A* (EPA guidance memorandum dated July 10, 1995).
 - 3.** For each emissions unit, or group of emissions units, on such record, the record shall include, as available:
 - a. Description, including make and model;
 - b. Year of construction/installation or if a group, range of years of construction/installation;
 - c. Maximum throughput or capacity; and
 - d. Fuel type, if applicable.
- D.** Odors: The Permittee shall not cause or permit the emission of any substance or combination of substances which creates or contributes to an odor that constitutes a nuisance beyond the property boundary of the premises as set forth in RCSA §22a-174-23.
- E.** Noise: The Permittee shall operate in compliance with the regulations for the control of noise as set forth in RCSA §§22a-69-1 through 22a-69-7.4, inclusive.
- F.** Hazardous Air Pollutants (HAPs): The Permittee shall operate in compliance with the regulations for the control of HAPs as set forth in RCSA §22a-174-29.

Section VI: Title V Requirements

The Administrator of the United States Environmental Protection Agency and the Commissioner of the Department of Energy and Environmental Protection have the authority to enforce the terms and conditions contained in this section.

SECTION VI: TITLE V REQUIREMENTS

A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR

The date of submission to the commissioner of any document required by this Title V permit shall be the date such document is received by the commissioner. The date of any notice by the commissioner under this Title V permit, including, but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is delivered or the date three days after it is mailed by the commissioner, whichever is earlier. Except as otherwise specified in this Title V permit, the word "day" means calendar day. Any document or action which is required by this Title V permit to be submitted or performed by a date which falls on a Saturday, Sunday or legal holiday shall be submitted or performed by the next business day thereafter.

Any document required to be submitted to the commissioner under this Title V permit shall, unless otherwise specified in writing by the commissioner, be directed to: Compliance Analysis and Coordination Unit, Bureau of Air Management, Department of Energy and Environmental Protection; 79 Elm Street, 5th Floor; Hartford, Connecticut 06106-5127.

Any submittal to the Administrator of the Environmental Protection Agency shall be submitted per the procedure required by the applicable requirement or otherwise in a computer-readable format and addressed to: Director, Enforcement and Compliance Assurance Division, U.S. EPA Region I, 5 Post Office Square, Suite 100 (Mailcode: 04-02), Boston, Massachusetts 02109-3912, Attn: Air Compliance Clerk.

B. CERTIFICATIONS [RCSA §22a-174-33(b)]

In accordance with RCSA §22a-174-33(b), any report or other document required by this Title V permit and any other information submitted to the commissioner or Administrator shall be signed by an individual described in RCSA §22a-174-2a(a), or by a duly authorized representative of such individual. Any individual signing any document pursuant to RCSA §22a-174-33(b) shall examine and be familiar with the information submitted in the document and all attachments thereto, and shall make inquiry of those individuals responsible for obtaining the information to determine that the information is true, accurate, and complete, and shall also sign the following certification as provided in RCSA §22a-174-2a(a)(4):

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under Section 22a-175 of the Connecticut General Statutes, under Section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute.”

C. SIGNATORY RESPONSIBILITY [RCSA §22a-174-2a(a)]

For purposes of signing any Title V-related application, document, report or certification required by RCSA §22a-174-33, any corporation's duly authorized representative may be either a named individual or any individual occupying a named position. Such named individual or individual occupying a named position is a

Section VI: Title V Requirements

duly authorized representative if such individual is responsible for the overall operation of one or more manufacturing, production or operating facilities subject to RCSA §22a-174-33 and either:

1. The facilities employ more than 250 persons or have gross annual sales or expenditures exceeding 25 million dollars in second quarter 1980 dollars; or
2. The delegation of authority to the duly authorized representative has been given in writing by an officer of the corporation in accordance with corporate procedures and the following:
 - i. Such written authorization specifically authorizes a named individual, or a named position, having responsibility for the overall operation of the Title V premises or activity,
 - ii. Such written authorization is submitted to the commissioner and has been approved by the commissioner in advance of such delegation. Such approval does not constitute approval of corporate procedures, and
 - iii. If a duly authorized representative is a named individual in an authorization submitted under subclause ii. of this subparagraph and a different individual is assigned or has assumed the responsibilities of the duly authorized representative, or, if a duly authorized representative is a named position in an authorization submitted under subclause ii. of this subparagraph and a different named position is assigned or has assumed the duties of the duly authorized representative, a new written authorization shall be submitted to the commissioner prior to or together with the submission of any application, document, report or certification signed by such representative.

D. ADDITIONAL INFORMATION [RCSA §22a-174-33(j)(1)(X), RCSA §22a-174-33(h)(2)]

The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier, including information to determine whether cause exists for modifying, revoking, reopening, reissuing, or suspending this Title V permit or to determine compliance with this Title V permit.

In addition, the Permittee shall submit information to address any requirements that become applicable to the subject source and shall submit correct, complete, and sufficient information within 15 days of the applicant's becoming aware of any incorrect, incomplete, or insufficient submittal, during the pendency of the application, or any time thereafter, with an explanation for such deficiency and a certification pursuant to RCSA §22a-174-2a(a)(5).

E. MONITORING REPORTS [RCSA §22a-174-33(o)(1)]

A Permittee, required to perform monitoring pursuant to this Title V permit, shall submit to the commissioner, on forms prescribed by the commissioner, written monitoring reports on March 1 and September 1 of each year or on a more frequent schedule if specified in such permit. Such monitoring reports shall include the date and description of each deviation from a permit requirement including, but not limited to:

1. Each deviation caused by upset or control equipment deficiencies; and
2. Each deviation of a permit requirement that has been monitored by the monitoring systems required under this Title V permit, which has occurred since the date of the last monitoring report; and
3. Each deviation caused by a failure of the monitoring system to provide reliable data.

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F. PREMISES RECORDS [RCSA §22a-174-33(o)(2)]

Unless otherwise required by this Title V permit, the Permittee shall make and keep records of all required monitoring data and supporting information for at least five years from the date such data and information were obtained. The Permittee shall make such records available for inspection at the site of the subject source, and shall submit such records to the commissioner upon request. The following information, in addition to required monitoring data, shall be recorded for each permitted source:

1. The type of monitoring or records used to obtain such data, including record keeping;
2. The date, place, and time of sampling or measurement;
3. The name of the individual who performed the sampling or the measurement and the name of such individual's employer;
4. The date(s) on which analyses of such samples or measurements were performed;
5. The name and address of the entity that performed the analyses;
6. The analytical techniques or methods used for such analyses;
7. The results of such analyses;
8. The operating conditions at the subject source at the time of such sampling or measurement; and
9. All calibration and maintenance records relating to the instrumentation used in such sampling or measurements, all original strip-chart recordings or computer printouts generated by continuous monitoring instrumentation, and copies of all reports required by the subject permit.

G. PROGRESS REPORTS [RCSA §22a-174-33(q)(1)]

The Permittee shall, on March 1 and September 1 of each year, or on a more frequent schedule if specified in this Title V permit, submit to the commissioner a progress report on forms prescribed by the commissioner, and certified in accordance with RCSA §22a-174-2a(a)(5). Such report shall describe the Permittee's progress in achieving compliance under the compliance plan schedule contained in this Title V permit. Such progress report shall:

1. Identify those obligations under the compliance plan schedule in this Title V permit which the Permittee has met, and the dates on which they were met; and
2. Identify those obligations under the compliance plan schedule in this Title V permit which the Permittee has not timely met, explain why they were not timely met, describe all measures taken or to be taken to meet them and identify the date by which the Permittee expects to meet them.

Any progress report prepared and submitted pursuant to RCSA §22a-174-33(q)(1) shall be simultaneously submitted by the Permittee to the Administrator.

Section VI: Title V Requirements

H. COMPLIANCE CERTIFICATIONS [RCSA §22a-174-33(q)(2)]

The Permittee shall, on March 1 of each year, or on a more frequent schedule if specified in this Title V permit, submit to the commissioner a written compliance certification certified in accordance with RCSA §22a-174-2a(a)(5) and which includes the information identified in 40 CFR §§70.6(c)(5)(iii)(A) to (C), inclusive.

Any compliance certification prepared and submitted pursuant to RCSA §22a-174-33(q)(2) shall be simultaneously submitted by the Permittee to the Administrator.

I. PERMIT DEVIATION NOTIFICATIONS [RCSA §22a-174-33(p)]

Notwithstanding Section VI.E. of this Title V permit, the Permittee shall notify the commissioner in writing, on forms prescribed by the commissioner, of any deviation from an emissions limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows:

1. For any hazardous air pollutant, no later than 24 hours after such deviation commenced; and
2. For any other regulated air pollutant, no later than ten days after such deviation commenced.

J. PERMIT RENEWAL [RCSA §22a-174-33(j)(1)(B)]

All of the terms and conditions of this Title V permit shall remain in effect until the renewal permit is issued or denied provided that a timely renewal application is filed in accordance with RCSA §§22a-174-33(g), -33(h), and -33(i).

K. OPERATE IN COMPLIANCE [RCSA §22a-174-33(j)(1)(C)]

The Permittee shall operate the source in compliance with the terms of all applicable regulations, the terms of this Title V permit, and any other applicable provisions of law. In addition, any noncompliance constitutes a violation of the Clean Air Act and Chapter 446c of the Connecticut General Statutes and is grounds for federal and/or state enforcement action, permit termination, revocation and reissuance, or modification, and denial of a permit renewal application.

L. COMPLIANCE WITH PERMIT [RCSA §22a-174-33(j)(1)(G)]

This Title V permit shall not be deemed to:

1. Preclude the creation or use of emission reduction credits or allowances or the trading thereof in accordance with RCSA §§22a-174-33(j)(1)(I) and -33(j)(1)(P), provided that the commissioner's prior written approval of the creation, use, or trading is obtained;
2. Authorize emissions of an air pollutant so as to exceed levels prohibited pursuant to 40 CFR Part 72;
3. Authorize the use of allowances pursuant to 40 CFR Parts 72 through 78, inclusive, as a defense to noncompliance with any other applicable requirement; or
4. Impose limits on emissions from items or activities specified in RCSA §§22a-174-33(g)(3)(A) and -33(g)(3)(B) unless imposition of such limits is required by an applicable requirement.

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M. INSPECTION TO DETERMINE COMPLIANCE [RCSA §22a-174-33(j)(1)(M)]

The commissioner may, for the purpose of determining compliance with this Title V permit and other applicable requirements, enter the premises at reasonable times to inspect any facilities, equipment, practices, or operations regulated or required under such permit; to sample or otherwise monitor substances or parameters; and to review and copy relevant records lawfully required to be maintained at such premises in accordance with this Title V permit. It shall be grounds for permit revocation should entry, inspection, sampling, or monitoring be denied or effectively denied, or if access to and the copying of relevant records is denied or effectively denied.

N. PERMIT AVAILABILITY

The Permittee shall have available at the facility at all times a copy of this Title V permit.

O. SEVERABILITY CLAUSE [RCSA §22a-174-33(j)(1)(R)]

The provisions of this Title V permit are severable. If any provision of this Title V permit or the application of any provision of this Title V permit to any circumstance is held invalid, the remainder of this Title V permit and the application of such provision to other circumstances shall not be affected.

P. NEED TO HALT OR REDUCE ACTIVITY [RCSA §22a-174-33(j)(1)(T)]

It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Title V permit.

Q. PERMIT REQUIREMENTS [RCSA §22a-174-33(j)(1)(V)]

The filing of an application or of a notification of planned changes or anticipated noncompliance does not stay the Permittee's obligation to comply with this Title V permit.

R. PROPERTY RIGHTS [RCSA §22a-174-33(j)(1)(W)]

This Title V permit does not convey any property rights or any exclusive privileges. This Title V permit is subject to, and in no way derogates from any present or future property rights or other rights or powers of the State of Connecticut, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the facility or regulated activity affected thereby, including CGS §4-181a(b) and RCSA §22a-3a-5(b). This Title V permit shall neither create nor affect any rights of persons who are not parties to this Title V permit.

S. ALTERNATIVE OPERATING SCENARIO RECORDS [RCSA §22a-174-33(o)(3)]

The Permittee shall, contemporaneously with making a change authorized by this Title V permit from one alternative operating scenario to another, maintain a record at the premises indicating when changes are made from one operating scenario to another and shall maintain a record of the current alternative operating scenario.

T. OPERATIONAL FLEXIBILITY AND OFF-PERMIT CHANGES [RCSA §22a-174-33(r)(2)]

The Permittee may engage in any action allowed by the Administrator in accordance with 40 CFR §§70.4(b)(12)(i) to (iii)(B), inclusive, and 40 CFR §§70.4(b)(14)(i) to (iv), inclusive, without a Title V non-minor permit modification, minor permit modification or revision and without requesting a Title V non-minor permit modification, minor permit modification or revision provided such action does not:

Section VI: Title V Requirements

1. Constitute a modification under 40 CFR Part 60, 61 or 63;
2. Exceed emissions allowable under the subject permit;
3. Constitute an action which would subject the Permittee to any standard or other requirement pursuant to 40 CFR Parts 72 to 78, inclusive; or
4. Constitute a non-minor permit modification pursuant to RCSA §22a-174-2a(d)(4).

At least seven days before initiating an action specified in RCSA §22a-174-33(r)(2)(A), the Permittee shall notify the Administrator and the commissioner in writing of such intended action.

U. INFORMATION FOR NOTIFICATION [RCSA §22a-174-33(r)(2)(A)]

Written notification required under RCSA §22a-174-33(r)(2)(A) shall include a description of each change to be made, the date on which such change will occur, any change in emissions that may occur as a result of such change, any Title V permit terms and conditions that may be affected by such change, and any applicable requirement that would apply as a result of such change. The Permittee shall thereafter maintain a copy of such notice with the Title V permit. The commissioner and the Permittee shall each attach a copy of such notice to their copy of the Title V permit.

V. TRANSFERS [RCSA §22a-174-2a(g)]

No person other than the Permittee shall act or refrain from acting under the authority of this Title V permit unless such permit has been transferred to another person in accordance with RCSA §22a-174-2a(g).

The proposed transferor and transferee of a permit shall submit to the commissioner a request for a permit transfer on a form provided by the commissioner. A request for a permit transfer shall be accompanied by any fees required by any applicable provision of the general statutes or regulations adopted thereunder. The commissioner may also require the proposed transferee to submit with any such request, the information identified in CGS §22a-60.

W. REVOCATION [RCSA §22a-174-2a(h)]

The commissioner may revoke this Title V permit on his own initiative or on the request of the Permittee or any other person, in accordance with CGS §4-182(c), RCSA §22a-3a-5(d), and any other applicable law. Any such request shall be in writing and contain facts and reasons supporting the request. The Permittee requesting revocation of this Title V permit shall state the requested date of revocation and provide evidence satisfactory to the commissioner that the subject source is no longer a Title V source.

Pursuant to the Clean Air Act, the Administrator has the power to revoke this Title V permit. Pursuant to the Clean Air Act, the Administrator also has the power to reissue this Title V permit if the Administrator has determined that the commissioner failed to act in a timely manner on a permit renewal application.

This Title V permit may be modified, revoked, reopened, reissued, or suspended by the commissioner, or the Administrator in accordance with RCSA §22a-174-33(r), CGS §22a-174c, or RCSA §22a-3a-5(d).

Section VI: Title V Requirements

X. REOPENING FOR CAUSE [RCSA §22a-174-33(s)]

This Title V permit may be reopened by the commissioner, or the Administrator in accordance with RCSA §22a-174-33(s).

Y. CREDIBLE EVIDENCE

Notwithstanding any other provision of this Title V permit, for the purpose of determining compliance or establishing whether a Permittee has violated or is in violation of any permit condition, nothing in this Title V permit shall preclude the use, including the exclusive use, of any credible evidence or information.

Print for Compliance Certification or Enforcement

Click the button below to generate the appropriate checklist. Be aware that this macro does not work unless you have access to the DEEP D-Drive.

This macro takes anywhere from 2-5 minutes to run. Your computer will look like it is locked up but it is working. Unfortunately the new DEEP virtual computer system makes this process even slower. Please be patient.

Print Enforcement Checklist

Print Compliance Certification