



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.

<b>Title V Permit Number</b>	117-0257-TV
<b>Client/Sequence/Town/Premises Numbers</b>	6566/1/117/88
<b>Date Issued</b>	May 5, 2022
<b>Expiration Date</b>	May 5, 2027

**Corporation:**

*Gulf Oil Limited Partnership*

**Premises Location:**

*New Haven Terminal, 500 Waterfront Street, New Haven, Connecticut 06517*

**Name of Responsible Official and Title:**

*Stephen Carten, Vice President Terminal Operations*

All the following attached pages, 2 through 41, are hereby incorporated by reference into this Title V permit.

for   
Katherine S. Dykes  
Commissioner

May 5, 2022  
Date

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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>
ASTM	American Society for Testing and Materials
CARB	California Air Resources Board
CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
EU	Emissions Unit
EPA	Environmental Protection Agency
gal	Gallon
GEU	Grouped Emissions Unit
HAP	Hazardous Air Pollutant
Hg	Mercury
hr	Hour
lb	Pound
mg/l	Milligrams Per Liter
mm	Millimeters
NSR	New Source Review
O&M	Operations and Maintenance
psi	Pounds Per Square Inch
psia	Pounds Per Square Inch Absolute
RCSA	Regulations of Connecticut State Agencies
RVP	Reid Vapor Pressure
SIC	Standard Industrial Classification Code
TOC	Total Organic Compound
TP	Test Procedure
VCU	Vapor Combustion Unit
VOC	Volatile Organic Compound
VOL	Volatile Organic Liquid
VRU	Vapor Recovery Unit

## **Section I: Premises Information/Description**

### **A. PREMISES INFORMATION**

Nature of Business: Bulk Gasoline Distribution  
Primary SIC: 5171

Facility Mailing Address: 80 William Street, Suite 400, Wellesley, MA 02481  
Telephone Number: (339) 933-7200

### **B. PREMISES DESCRIPTION**

Gulf Oil Limited Partnership (Gulf Oil) operates a New Haven bulk petroleum distribution terminal located on the eastern shore of New Haven Harbor on Long Island Sound. The main operations at the New Haven Terminal include the receipt, storage, and distribution of gasoline distillate, and ethanol products. The products are typically received by marine vessel at the Terminal's vessel dock or by pipeline and then transferred via product piping to aboveground storage vessels in the Terminal's tank farm. Final distribution of products occurs at the Terminal's truck loading rack. The loading rack consists of gasoline, distillate, and ethanol loading bays. Gulf Oil also has the capability of distributing and receiving petroleum products to/from interstate and intrastate locations and neighboring terminals via product pipelines as well as transferring distillate products at its marine vessel dock. However, gasoline is not loaded onto the marine vessels and the vapor pressure for the distillate is below 0.75 psi. Therefore, the Terminal is not subject to 40 CFR 63 Subpart Y—National Emission Standards for Marine Tank Vessel Loading Operations.

Gulf Oil is subject to Sections 22a-174-20(a) Storage of Volatile Organic Compounds and Restrictions for the Reid Vapor Pressure of Gasoline, 22a-174-20(b) Loading of Gasoline and Other Volatile Organic Compounds, and 22a-174-28 Oxygenated Gasoline of the Regulations of Connecticut State Agencies (RCSA).

There are two Vapor Recovery Units (VRU). VRU No. 2 controls the emissions from the loading of gasoline cargo tanks. Gulf Oil operates the loading rack along with the VRU in accordance with Permit No. 117-0241. A smaller unit, VRU No. 1, is a back-up control unit.

Gulf Oil is a major stationary source, as defined in 40 CFR Part 70, for the potential to emit VOC and HAPs in a serious ozone non-attainment area as defined in RCSA Section 22a-174-1(103).

Gulf Oil is also subject to the following federal requirements:  
40 CFR 60 Subpart Kb for Volatile Organic Liquid Storage Vessels  
40 CFR 60 Subpart XX for Bulk Gasoline Terminals  
40 CFR 63 Subpart R for Stage I Gasoline Distribution

## 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 NSR Permits, Registrations, or Regulations into this Title V permit.

<b>TABLE II.A: EMISSIONS UNITS DESCRIPTION</b>				
<b>Grouped Emissions Unit/ Emissions Unit</b>	<b>Emissions Unit Description</b>	<b>Control Unit Description</b>	<b>Permit, Registration, or Regulation Number</b>	
<b>GEU-1</b>	EU-1	Aboveground Combined Gasoline and Distillate Storage Vessel No. 101 Construction Date: 06/01/1937 Maximum Capacity: 3,337,908 gallons	Fixed roof with an internal floating roof and vapor seals	Registration No. 117-0298-R
	EU-9	Aboveground Combined Distillate and Ethanol Storage Vessel No. 110 Construction Date: 06/01/1936 Maximum Capacity: 854,448 gallons	Fixed roof with an internal suspended roof with mechanical shoe seals	Registration No. 117-0311-R
	EU-10	Aboveground Combined Gasoline and Distillate Storage Vessel No. 111 Construction Date: 06/01/1938 Maximum Capacity: 3,195,612 gallons	Fixed roof with an internal suspended roof with mechanical shoe seals	Registration No. 117-0312-R
	EU-11	Aboveground Combined Gasoline and Distillate Storage Vessel No. 112 Construction Date: 06/01/1959 Maximum Capacity: 4,033,008 gallons	Fixed roof with an internal suspended roof with mechanical shoe seals	Permit No. 117-0352 RCSA §22a-174-20(a) 40 CFR Part 60 Subpart Kb 40 CFR Part 63 Subpart R
	EU-12	Aboveground Combined Gasoline and Distillate Storage Vessel No. 113 Construction Date: 06/01/1958 Maximum Capacity: 4,030,908 gallons	Fixed roof with an internal suspended roof with mechanical shoe seals	Permit No. 117-0243 RCSA §22a-174-20(a) 40 CFR Part 60 Subpart Kb 40 CFR Part 63 Subpart R
	EU-13	Aboveground Combined Gasoline and Distillate Storage Vessel No. 114 Construction Date: 06/01/1959 Maximum Capacity: 4,046,784 gallons	Fixed roof with an internal suspended roof with mechanical shoe seals	Permit No. 117-0353 RCSA §22a-174-20(a) 40 CFR Part 60 Subpart Kb 40 CFR Part 63 Subpart R
	EU-14	Aboveground Combined Gasoline, Distillate, and Ethanol Storage Vessel No. 115 Construction Date: 06/01/1958 Maximum Capacity: 1,714,272	Fixed roof with an internal suspended roof with mechanical shoe seals	Registration No. 117-0317-R

## Section II: Emissions Units Information

GEU-2	EU-26	Gasoline Loading Operations & Vapor Recovery Unit No. 2 VRU No. 2 Primary VRU No. 1 Back-Up Construction Date: 10/01/1968	Carbon Adsorption /Absorption	Permit No. 117-0241 RCSA §22a-174-20(a), (b) 40 CFR Part 60 Subpart XX 40 CFR Part 63 Subpart R
	EU-27	Gasoline Loading Operations (Truck Fugitive Emissions) Construction Date: 10/01/1968	Carbon Adsorption /Absorption	Permit No. 117-0241 RCSA §22a-174-20(b) 40 CFR Part 60 Subpart XX 40 CFR Part 63 Subpart R
	EU-28	Distillate Loading Operations (Truck Loading Rack) Construction Date: 10/01/1968 Maximum Capacity: 1,121,280,000 gallons	None	Permit No. 117-0241 RCSA §22a-174-20(b) 40 CFR Part 60 Subpart XX 40 CFR Part 63 Subpart R
GEU-1	EU-28a	Aboveground Combined Gasoline and Distillate Storage Vessel No. 123 Construction Date: TBD Maximum Capacity: 6,400,000 gallons	Fixed roof with an internal suspended roof with mechanical shoe seals	Permit No. 117-0241 Collateral Condition RCSA §22a-174-20(a) 40 CFR Part 60 Subpart Kb 40 CFR Part 63 Subpart R
	EU-28b	Aboveground Volatile Organic Liquid Storage Vessel No. 104 Construction Date: 06/01/1926 Maximum Capacity: 633,318 gallons	Fixed roof with an internal suspended roof with mechanical shoe seals	Registration No. 117-0303-R Permit No. 117-0241 Collateral Condition RCSA §22a-174-20(a) 40 CFR Part 60 Subpart Kb 40 CFR Part 63 Subpart R
	EU-29	Product Distribution System (Fugitive Emissions) Construction Date: Prior to 1972	None	RCSA §22a-174-20(b) 40 CFR Part 63 Subpart R
	EU-30	Marine Vessel Loading Construction Date: 12/07/2018	None	Permit No. 117-0380

## Section II: Emissions Units Information

### B. OPERATING SCENARIO IDENTIFICATION

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

<b>TABLE II.B: OPERATING SCENARIO IDENTIFICATION</b>	
<b>Emissions Units Associated with the Scenario</b>	<b>Description of Scenario</b>
All emissions units in Table II.A of this Title V permit	All emissions units shall be operated in accordance with applicable permit or terms and conditions of the regulations.



### Section III: Applicable Requirements and Compliance Demonstration

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

#### A. GROUPED EMISSIONS UNIT 1 (GEU-1): ABOVEGROUND COMBINED GASOLINE AND DISTILLATE STORAGE VESSELS (EU-1, EU-9 through EU-14, EU-28a, and EU-28b)

**Subject to: Registration Nos. 117-0298, 117-0311, 117-0312, and 117-0317; Permit Nos. 117-0352, 117-0243, 117-0353, and 117-0241 (Collateral Condition); RCSA §22a-174-20 & §22a-174-28; 40 CFR Part 60 Subpart Kb & 40 CFR Part 63 Subpart R (EU-11, EU-12, EU-13, EU-28a and EU-28b Only)**

##### 1. VOC & Oxygenated Gasoline

###### a. Limitation or Restriction

- i. The Permittee shall install on all storage vessels a fixed roof in combination with an internal floating roof to control VOC in accordance with 40 CFR §60.112b. [40 CFR §63.423]
- ii. The Permittee shall operate each gasoline storage vessel with a vapor loss control device identified in one of the following conditions: [RCSA §22a-174-20(a)(2)]
  - (A) The storage vessel is a pressure vessel capable of maintaining working pressures sufficient at all times to prevent vapor or gas loss to the atmosphere;
  - (B) The storage vessel is equipped with a fixed roof and a floating roof that rests on the surface of the liquid contents and is equipped with a closure seal or seals to close the space between the roof edge and tank wall in accordance with 40 CFR §60.112b(a)(1)(ii) and RCSA §22a-174-20(a)(2)(B), i.e. a liquid-mounted seal, two seals, or a mechanical shoe seal. This control equipment is not permitted if the VOC in storage has a vapor pressure of 11.0 pounds per square inch absolute (568 mm Hg) or greater under standard conditions. The Permittee shall operate and maintain such vessels to ensure that: [40 CFR §60.112b(a)(1) and RCSA §22a-174-20(a)(2)(B)]
    - (1) There are no visible holes, tears or other openings in the seal or any seal fabric or materials,
    - (2) All openings except stub drains are equipped with covers, lids or seals such that:
      - (a) The cover, lid or seal is in the closed position at all times except when in actual use,
      - (b) 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
      - (c) 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,
    - (3) All tank gauging and sampling devices are vapor-tight except when tank gauging or sampling is taking place, and
    - (4) No liquid accumulates on the top of the floating roof; or
  - (C) The storage vessel is equipped with a fixed roof and a vapor recovery system that is designed and operated to reduce emissions of VOCs to the atmosphere by at least 95 percent by weight. The Permittee limiting vapor loss according to this method shall perform the following actions no later

### **Section III: Applicable Requirements and Compliance Demonstration**

than March 7, 2024: [RCSA §22a-174-20(a)(2)(C)]

- (1) Equip any gauging or sampling device on the vessel with a leak-free cover that shall be closed at all times, with no visible gaps, except during gauging or sampling,
  - (2) Maintain the fixed roof in a leak-free condition with no holes, tears or uncovered openings,
  - (3) Install and maintain each roof opening in a leak-free condition at all times except when the cover is open for access or when a vent is required to be open to relieve excess pressure or vacuum in accordance with the manufacturer's design, and
  - (4) Once per month, inspect the fittings located on the roof, piping, pressure relief valves and all other valves to ensure they are leak-free using EPA Method 21.
- iii. The external surfaces of any storage tank containing VOCs with a vapor pressure of 0.75 pounds per square inch 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, 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 pounds per square inch or greater under standard conditions. 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 percent 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)]
- iv. The Permittee shall adhere to the following procedures when performing a roof landing of a floating roof tank:
- (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 subsection RCSA §22a-174-20(a), any in-service roof landing shall be with the landed height of the floating roof at its minimum setting. [RCSA §22a-174-20(a)(8)]
- v. The Permittee shall perform degassing and cleaning as follows:
- (A) The Permittee shall not perform degassing of any aboveground storage tank during the period from June 1 through August 31 of any calendar year, except as provided in Section III.A.1.a.v.(B) below.
  - (B) Notwithstanding the above Section III.A.1.a.v.(A), the Permittee may degas an aboveground storage tank at any time for the purpose of performing a repair that is necessary for safe and proper function of the tank.
  - (C) The Permittee shall clean an aboveground storage tank using one or more of the following methods:
    - (1) Using any of the following cleaning agents:

### **Section III: Applicable Requirements and Compliance Demonstration**

- (a) Diesel fuel,
  - (b) A solvent with an initial boiling point of greater than 302 degrees Fahrenheit,
  - (c) A solvent with a vapor pressure less than 0.5 pounds per square inch,
  - (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. [RCSA §22a-174-20(a)(9)]
- vi. 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 in excess of 9.0 psi. [RCSA §22a-174-20(a)(11)]
  - vii. 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 pursuant to RCSA §22a-174-28(g) has been issued by the commissioner. Control Period and Control Area are as defined in RCSA §22a-174-28(a). [RCSA §22a-174-28(b)(1)]

#### *b. Monitoring and Testing Requirements*

- i. The Permittee shall calculate the monthly VOC emissions and speciated HAP emissions, including emissions from roof landings, tank refilling, degassing, cleaning and any other emissions generating events; from all storage vessels using equations in AP-42 Chapter 7 Liquid Storage Tanks. The annual VOC and speciated HAP emissions shall be based on a 12 month rolling aggregate. [RCSA §22a-174-33(j)(l)(K)(ii)]
- ii. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the tank 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)]
- iii. 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 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)]
- iv. For storage 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 this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Administrator in the inspection report required in 40 CFR §60.115b(a)(3). Such a request for an extension must document that alternate storage capacity is

### **Section III: Applicable Requirements and Compliance Demonstration**

unavailable and specify a schedule of actions the Permittee 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) and RCSA §22a-174-20(a)(4)]

- v. For storage vessels equipped with a double-seal system, 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 at least every five years or visually inspect the vessel as specified in Section III.A.1.b.iv of this Title V Permit. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the Permittee shall repair the items as necessary so that none of the conditions specified exist before refilling the storage vessel with VOL. In no event shall these inspections occur at intervals greater than 10 years.  
[40 CFR §60.113b(a)(3) and 40 CFR §60.113b(a)(4)]
- vi. The Permittee shall, once per month, inspect the fittings located on the roof, piping, pressure relief valves and all other valves to ensure they are leak-free using EPA Method 21.  
[RCSA §22a-174-20(a)(2)(C)(iv)]
- vii. For storage vessels operated above or below ambient temperatures, the maximum true vapor pressure shall be calculated by the Permittee based upon the highest expected calendar-month average of the storage temperature. For storage vessels operated at ambient temperatures, the maximum true vapor pressure shall be calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service. [40 CFR §60.116b(e)(1)]
- viii. The Permittee limiting vapor loss in accordance with Section III.A.1.a.ii.(B) of this Title V permit shall conduct inspections as follows: [RCSA §22a-174-20(a)(3)]
  - (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 Section III.A.1.a.ii.(B) of this Title V permit; and
  - (B) Whenever the tank is emptied and degassed, but no less than once every 10 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 Section III.A.1.a.ii.(B) of this Title V permit and ensure that the seal between the floating roof and the tank wall is uniform, 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) The inspection specified in subparagraph (B) above 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 Section III.A.1.a.ii.(B) of this Title V permit.
- ix. Record keeping specified in Section III.A.1.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)]

### **Section III: Applicable Requirements and Compliance Demonstration**

#### *c. Record Keeping Requirements*

- i. Monthly emissions, including detailed calculations and records of the inputs to such calculations, shall be recorded by the Permittee for each storage vessel and used in determining the annual emissions in tons on a 12-month rolling aggregate. The records shall be kept for a minimum of five years after such record is made. [RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. Records of the results of all the inspections performed shall be maintained by the Permittee and kept for a minimum of five years after such record is made. Each record shall include, at a minimum, the identification of the storage vessel on which the inspection was performed, whether the storage vessel was filled or emptied and degassed, the date the vessel was inspected, the name of the inspector, a check off list to show what 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) and 40 CFR §63.428(d)]
- iii. For the life of each storage vessel, the Permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. [40 CFR §60.116b(b)]
- iv. 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)]
- v. The Permittee shall maintain the following records for five years from the date such record is created and make available to the commissioner to inspect and copy upon request:  
[RCSA §22a-174-20(a)(10) and RCSA §22a-174-33(j)(1)(K)(ii)]

(A) For a tank equipped with a vapor loss control device specified in Section III.A.1.a.ii of this Title V permit:

- (1) Type of VOC stored, vapor pressure and monthly throughput,
- (2) A Material Safety Data Sheet or Environmental Data Sheet for each VOC stored, and
- (3) Records of the inspections conducted in accordance with Section III.A.1.b.viii of this Title V permit including, but not limited to, date of the inspection, results and corrective actions taken, if applicable,

(B) Documentation of control device efficiency and capture efficiency, if applicable, using an applicable EPA reference method or alternate method as approved by the commissioner and the Administrator,

(C) Date and type of maintenance performed on air pollution control equipment, if applicable,

(D) Documentation of any leak detected pursuant to Section III.A.1.b.v of this Title V permit, 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 dates of the 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, tank contents prior to degassing, duration of each

### **Section III: Applicable Requirements and Compliance Demonstration**

- degassing event, and degassing emissions calculated using AP-42 Chapter 7 methodology,
- (G) Date, cleaning method and cleaning agents used for any cleaning performed, duration of the cleaning event and emissions from the cleaning event calculated using AP-42 Chapter 7 methodology,
- (H) Any approval by the commissioner or Administrator issued pursuant to this subsection.
- vi. The Permittee shall maintain the following records regarding oxygenated gasoline for two years from the date such record is created and make available to the commissioner for review upon request: [RCSA §22a-174-28(d)(1) and §22a-174-28(d)(4)]
- (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.
- vii. The Permittee shall maintain copies of transfer documents specified in RCSA §22a-174-28(e) for no less than two years for each delivery of gasoline during the Control Period for their Control Area. Control Period and Control Area are as defined in RCSA §22a-174-28(a). [RCSA §22a-174-28(d)(3) and §22a-174-28(d)(4)]
- viii. The Permittee shall create and maintain records sufficient to demonstrate that the RVP of gasoline sold or delivered between May 1 and September 15 by the Permittee to any dispensing facility in Connecticut, did not exceed 9.0 pounds per square inch. [RCSA §22a-174-4(d)(1)]

#### *d. Reporting Requirements*

- i. The Permittee shall furnish the commissioner with a report that describes the control equipment and certifies that the control equipment meets the specification of Section III.A.1.a.ii(B) and Section III.A.1.b.iii of this Title V Permit. This report shall be an attachment to the notification of the actual date of initial startup as required by 40 CFR §60.7(a)(3). [40 CFR §60.115b]
- ii. If any of the conditions described in Section III.A.1.b.iv of this Title V Permit and in accordance with 40 CFR §60.113b(a)(2) are detected during the annual visual inspection, a report shall be furnished to the commissioner 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)]
- iii. After each inspection required by Section III.A.1.b of this Title V Permit and in accordance with 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, a report shall be furnished to the commissioner within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the control equipment specifications of the inspection required by Section III.A.1.b.ii and Section III.A.1.b.v of this Title V Permit and in accordance with 40 CFR §60.113b(a)(3) and list each repair

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made. [40 CFR §60.115b(a)(4)]

- iv. The Permittee shall notify the commissioner in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by Sections III.A.1.b.iii & iv of this Title V Permit to afford the commissioner the opportunity to have an observer present. If the inspection required by Sections III.A.1.b.iv of this Title V Permit 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 commissioner 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 as unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that the commissioner receives it at least seven days prior to the refilling. [40 CFR §60.113b(a)(5)]
- v. The Permittee shall notify the commissioner when a tank is emptied and degassed under subparagraph 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:
  - (1) Identification of the facility and the tank degassed,
  - (2) Identification of the VOC stored,
  - (3) An explanation of the need to degas the tank during the period from June 1 through August 31,
  - (4) The date the owner or operator determined that degassing and repair would be necessary,
  - (5) The dates that degassing commenced and was completed, and
  - (6) The date that inspection, repair and refilling was or is anticipated to be completed.

#### *e. Operating and Maintenance Requirements*

- i. The Permittee shall ensure that 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)]
- ii. The Permittee shall ensure that 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 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)]
- iii. The Permittee shall ensure that the automatic bleeder vents 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)]
- iv. The Permittee shall ensure that the rim space vents 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)]

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- v. The Permittee shall ensure that each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. [40 CFR §60.112b(a)(1)(vii)]
- vi. The Permittee shall ensure that 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)]
- vii. The Permittee shall ensure that 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)]

#### 2. Operating Conditions for EU-11 in Permit No. 117-0352

##### a. *Limitation or Restriction* [Permit No. 117-0352]

- i. The Permittee shall not cause or allow EU-11 to exceed the VOC emission limit stated herein at any time:
  - (A) The VOC emissions from Tank 112 shall not exceed 4.56 tons per year.
- ii. The Permittee shall limit the maximum throughput in Tank 112 as follows:
  - (A) 423,062,539 gallons per year
- iii. Maximum Vapor Pressure of Volatile Organic Liquids: < 11 psia, < 568 mmHg

##### b. *Monitoring Requirements*

- i. A complete inspection of the cover and seal shall be conducted by the Permittee whenever Tank 112 is emptied for non-operational reasons but in any event at least once per year. [Permit No. 117-0352]
- ii. Record keeping specified in Section III.A.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)(l)(K)(ii)]

##### c. *Record Keeping Requirements*

- i. The Permittee shall keep records of the average monthly storage temperature, true vapor pressure, monthly fuel throughput and type of volatile organic compounds stored. [Permit No. 117-0352]
- ii. The Permittee shall keep records of annual fuel throughput. Annual fuel throughput shall be based on any consecutive 12 month time period and shall be determined by adding the current month's fuel throughput to that of the previous 11 months. The Permittee shall make these calculations monthly. [Permit No. 117-0352]
- iii. The Permittee shall calculate and record the monthly and consecutive 12 month VOC emissions 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. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [RCSA §22a-174-33(j)(1)(K)(ii)]



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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)]

### 3. Operating Conditions for EU-12 in Permit No. 117-0243

#### a. Limitation or Restriction

- i. The Permittee shall not cause or allow EU-12 to exceed the VOC emission limit stated herein at any time:

(A) The VOC emissions from Tank 113 shall not exceed 10.61 tons per year. [Permit No. 117-0243]

- ii. The Permittee shall limit the maximum throughput in Tank 113 as follows:

(A) 677,532,280 gallons per year [Permit No. 117-0243]

- iii. Maximum Vapor Pressure of Volatile Organic Liquids: < 11 psia, < 568 mmHg [Permit No. 117-0243]

#### b. Monitoring Requirements

Record keeping specified in Section III.A.3.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 keep records of annual fuel throughput. Annual fuel throughput shall be based on any consecutive 12 month time period and shall be determined by adding the current month's fuel throughput to that of the previous 11 months. The Permittee shall make these calculations monthly. [RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. The Permittee shall calculate and record the monthly and consecutive 12 month VOC emissions 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. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [RCSA §22a-174-33(j)(1)(K)(ii)]

#### 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)]

### 4. Operating Conditions for EU-13 in Permit No. 117-0353

#### a. Limitation or Restriction [Permit No. 117-0353]

- i. The Permittee shall not cause or allow EU-13 to exceed the VOC emission limit stated herein at any time:

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(A) The VOC emissions from Tank 114 shall not exceed 4.54 tons per year.

ii. The Permittee shall limit the maximum throughput in Tank 114 as follows:

(A) 424,507,641 gallons per year

iii. Maximum Vapor Pressure of Volatile Organic Liquids: < 11 psia, < 568 mmHg

#### *b. Monitoring Requirements*

Record keeping specified in Section III.A.4.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 keep records of the average monthly storage temperature, true vapor pressure, monthly fuel throughput and type of volatile organic compounds stored. [Permit No. 117-0353]

ii. The Permittee shall keep records of annual fuel throughput. Annual fuel throughput shall be based on any consecutive 12 month time period and shall be determined by adding the current month's fuel throughput to that of the previous 11 months. The Permittee shall make these calculations monthly. [Permit No. 117-0353]

iii. The Permittee shall calculate and record the monthly and consecutive 12 month VOC emissions 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. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [RCSA §22a-174-33(j)(1)(K)(ii)]

#### *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)]

### **5. Collateral Conditions for EU-28a and EU-28b in Permit No. 117-0241**

#### *a. Limitation or Restriction* [Permit No. 117-0241]

i. The Permittee shall not cause or allow EU-28a and EU-28b to exceed the VOC emission limits stated herein at any time:

(A) The VOC emissions from Tank 123 shall not exceed 3.33 tons per year.

(B) The VOC emissions from Tank 104 shall not exceed 1.56 tons per year.

ii. The Permittee shall limit the maximum throughput in each tank as follows:

(A) 450,000,000 gallons per year in Tank 123

(B) 75,000,000 gallons per year in Tank 104

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iii. Maximum Vapor Pressure of Volatile Organic Liquids: < 11 psia, < 568 mmHg

*b. Monitoring Requirements*

Record keeping specified in Section III.A.5.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)(l)(K)(ii)]

*c. Record Keeping Requirements [Permit No. 117-0241]*

- i. The Permittee shall keep records of annual fuel throughput. Annual fuel throughput shall be based on any consecutive 12 month time period and shall be determined by adding the current month's fuel throughput to that of the previous 11 months. The Permittee shall make these calculations monthly.
- ii. The Permittee shall calculate and record the monthly and consecutive 12 month VOC emissions 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. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month.
- iii. The Permittee shall keep material safety data sheets (MSDS) or technical data sheets (TDS) or Safety Data Sheets (SDS) for each chemical or solvent used. Such information shall include the quantity and type of each hazardous air pollutant contained in the paint or solvent. 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.

*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)]

### **B. GROUPED EMISSIONS UNIT 2 (GEU-2): CARGO TANK LOADING OPERATIONS (EU-26 through EU-28)**

**Subject to: Permit No. 117-0241**

#### **1. VOC**

*a. Limitation or Restriction*

- i. The material being loaded shall be limited to gasoline, distillate, ethanol products, and associated additives. [Permit No. 117-0241]
- ii. The emissions to the atmosphere from the carbon adsorption system (the Primary & Current Back-Up VRU) due to the loading of liquid product into gasoline cargo tanks shall not exceed 10 milligrams of total organic compounds per liter of gasoline loaded. Upon installation of the New VRU, the Primary VRU shall only be used as a back-up control unit. [Permit No. 117-0241 and 40 CFR §63.422(b)]
- iii. The emissions to the atmosphere from the carbon adsorption system (the New VRU) due to the loading of liquid product into gasoline cargo tanks shall not exceed 2 milligrams of total organic compounds per

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liter of gasoline loaded. [Permit No. 117-0241]

- iv. The fugitive emissions (loading losses) to the atmosphere due to the loading of liquid product into gasoline cargo tanks shall not exceed 13 milligrams of total organic compounds per liter of gasoline loaded. [Permit No. 117-0241]
- v. The total VOC emissions from loading gasoline at the cargo tank loading rack shall not exceed 52.49 tons per year using the following equation: [Permit No. 117-0241]

$$A(13 \text{ mg/l}) + \sum (B(C) + D(E) + F(G)) \leq 52.49$$

where:

A = gasoline throughput (gallons)

B = new VRU throughput (gallons)

C = new VRU stack test results (mg/l)

D = current primary/future backup VRU throughput (gallons)

E = current primary/future backup VRU stack test results (mg/l)

F = current backup VRU throughput (gallons)

G = current backup VRU stack test results (mg/l)

- vi. The Permittee shall operate and maintain, according to the manufacturer's specifications, a VRU that is designed to collect the total organic compounds vapors displaced from the gasoline cargo tanks during product loading. [40 CFR §63.422(b) and 40 CFR §60.502(a)]
- vii. The carbon adsorption system (the VRUs) shall not exceed the operating parameter value for the organic compound concentration parameter described in 40 CFR §63.427(a)(1) and established using the procedures in 40 CFR §63.425(b). [40 CFR §63.427(b)]

#### *b. Monitoring and Testing Requirements*

- i. To ensure that the emissions remain at or below 2 mg/l for the new VRU and 10 mg/l for the back-up VRUs of the gasoline loaded, the Permittee shall operate the VRUs and the vacuum assist system (booster blower) in accordance with all manufacturers' specifications and recommendations. Reference methods and test procedures as stated in 40 CFR §§60.503(a) & (c) shall be used by the Permittee to determine compliance with 2 mg/l and 10 mg/l of the gasoline loaded. [Permit No. 117-0241 and 40 CFR §§60.503(a) & (c)]
- ii. The carbon adsorption system (the VRUs) and the booster blower shall be operated by the Permittee to prevent any total organic compounds vapors collected at one loading rack from passing to another loading rack. [Permit No. 117-0241 and 40 CFR §60.502(d)]
- iii. Permittee shall install, calibrate, certify, operate, and maintain, according to the manufacturer's specifications, a continuous emission monitoring system capable of measuring organic compound concentration in the exhaust air stream on a continuous basis, averaged over a one-hour period. [Permit No. 117-0241 and 40 CFR §63.427(a)(1)]
- iv. At least once every five years, the Permittee shall conduct emissions testing of the VRUs to determine their emissions of TOCs and VOC. Such test shall be conducted in accordance with an Intent-to-Test

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protocol submitted by the Permittee and approved by the commissioner.

[Permit No. 117-0241 and RCSA §22a-174-5(e)(2)]

- v. The Permittee shall conduct a performance test on the VRUs according to 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 §63.425(a)]
- vi. Permittee shall meet the performance specifications and quality assurance requirements for the continuous emission monitoring system specified in RCSA §22a-174-4(c)(4). [RCSA §22a-174-4(c)(4)]
- vii. The Permittee shall monitor and record the quantity of gasoline through the loading rack on a daily basis. [Permit No. 117-0241]

#### *c. Record Keeping Requirements*

- i. The Permittee shall record daily VOC emissions and throughput volume and shall record the 365-day rolling total of the VOC emissions and the throughput volumes. [Permit No. 117-0241]
- ii. The Permittee shall keep a record of the dates the temporary VCU was in operation. [Permit No. 117-0241]
- iii. The Permittee shall keep a record of when the 2 mg/L VRU is installed and operational. [Permit No. 117-0241]
- iv. The Permittee shall keep a record of each date each 10 mg/L VRU is in operation. [Permit No. 117-0241]
- v. The Permittee shall keep records of all replacements or additions of components performed on an existing vapor processing system for at least five years. [40 CFR §60.505(f) and RCSA §22a-174-33(j)(1)(K)(ii)]
- vi. The Permittee shall keep documentation of all testing, calibration, and maintenance of the monitoring and recording equipment. [RCSA §22a-174-33(j)(1)(K)(ii)]
- vii. The Permittee shall keep documentation of 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. [RCSA §22a-174-33(j)(1)(K)(ii)]
- viii. The Permittee shall keep annual estimates of the actual VOC emitted. Such estimates shall use emission factors which are not less than those most recently determined through Department approved source testing of this source where such factors are available. Documentation in support of any assumptions or data used in these estimates shall also be maintained. [RCSA §22a-174-33(j)(1)(K)(ii)]
- ix. The Permittee shall keep an up to date, readily accessible record of the continuous monitoring data measuring organic compound concentration in the exhaust air stream. 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. [Permit No. 117-0241 and 40 CFR §63.428(c)(1)]
- x. The Permittee shall record and report simultaneously with the notification of compliance status:

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[40 CFR §63.428(c)(2)]

(A) All data and calculations, engineering assessments, and manufacturer's recommendations used in determining the operating parameter value under 40 CFR §63.425(b);

(B) VRU design; and

(C) All visible emissions readings, heat content determinations, flow rate measurements, and exit velocity determinations made during the compliance determination required under 40 CFR §63.425(a).

- xi. The Permittee shall keep an up-to-date, readily accessible record of the quarterly performance audits performed on the carbon adsorption system and a record to specify which VRU is in operation. [RCSA §22a-174-33(j)(1)(K)(ii)]
- xii. The Permittee shall keep all records for at least five years. [Permit No. 117-0241 and RCSA §22a-174-33(j)(1)(K)(ii)]

#### *d. Reporting Requirements*

- i. The Permittee shall submit an excess emissions report to the commissioner semiannually in accordance with 40 CFR §63.428(h) and 40 CFR §63.10(e)(3)(i). [40 CFR §63.428(h) and 40 CFR §63.10(e)(3)(i)]
  - (A) The report shall include each exceedance of the monitored operating parameter value determined under §63.425(b) as well as the monitoring data for the days on which exceedances have occurred, and a description and timing of the steps taken to repair or perform maintenance on the carbon adsorption system. [40 CFR §63.428(h)(1)]
  - ii. For each performance test conducted, the Permittee shall provide for the commissioner's approval the rationale for the selected operating parameter value, the 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 standards of 2 mg/l for the new VRU and 10 mg/l for the back-up VRU of gasoline loaded. [40 CFR §63.425(b)]
  - iii. Within 15 days of the date the Permittee becomes aware of a change in any information submitted to the commissioner under Permit No. 117-0241, or that any such information was inaccurate or misleading or that any relevant information was omitted, the Permittee shall submit the correct or omitted information to the commissioner. [Permit No. 117-0241]

## **2. VAPOR-TIGHT GASOLINE CARGO TANKS**

### *a. Limitation or Restriction*

- i. The Permittee shall not load gasoline into gasoline cargo tanks at the premises unless the gasoline cargo tanks are vapor-tight and equipped with vapor collection and processing equipment that are compatible with the terminal's carbon adsorption system or vapor collection system (VRU/VCU). [40 CFR §60.502(f)]
- ii. The Permittee shall act to assure that the terminal's and the tank truck's vapor collection systems (VRU/VCU) are connected during each loading of a gasoline tank truck at the affected facility.

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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)]

- iii. No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system (VRU/VCU) shall begin to open at a system pressure less than 4,500 pascals (450 mm of water). [40 CFR §60.502(i)]
- iv. The gasoline loading racks 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 adaptor and the hatch. A means shall be provided to prevent liquid organic compound drainage from the loading device when it is removed from the hatch of any cargo tank 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)]
- v. The Permittee shall not transfer or allow the transfer of gasoline to or from any delivery vehicle to or from any loading facility with a throughput of less than 10,000 gallons a day and more than 4,000 gallons a day unless the transfer takes place through a submerged fill pipe and a vapor balance system is used. The throughput of a loading facility shall be based upon a thirty day rolling average and once a loading facility exceeds this limit, these requirements shall always apply. [RCSA §22a-174-20(b)(5)]
- vi. The Permittee shall develop a written operation and maintenance (O&M) plan for any equipment used to load or unload gasoline and develop a formal training program implementing the O&M plan for any person who receives gasoline from a loading facility or delivers gasoline to a dispensing facility subject to RCSA §22a-174-30a Stage I Vapor Recovery or any loading facility subject to the above Section III.B.2.a.iii of this Title V Permit. [RCSA §22a-174-20(b)(16)]

#### *b. Monitoring and Testing Requirements*

- i. Loading 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) and 40 CFR §63.422(c)(2)]
  - (A) The Permittee shall obtain the vapor tightness documentation as described in the record keeping requirements section of this Title V Permit for each gasoline cargo tank which is to be loaded at the premises. [40 CFR §60.502(e)(1)]
  - (B) The Permittee shall require the gasoline cargo tank's identification number to be recorded as each gasoline cargo tank is loaded at the premises. [40 CFR §60.502(e)(2)]
  - (C) The Permittee shall cross-check each gasoline cargo tank's identification number, with the file of gasoline cargo tank vapor tightness documentation within two weeks after the corresponding gasoline cargo tank is loaded. [40 CFR §60.502(e)(3)]
- ii. The Permittee shall take steps assuring that the non vapor-tight gasoline cargo tank will not be reloaded at the facility until vapor tightness documentation for that gasoline cargo tank is obtained which documents that: [40 CFR §63.422(c)(2)]
  - (A) the gasoline cargo tank meets the applicable test requirements in 40 CFR §63.425(e);
  - (B) for each gasoline cargo tank failing the leak detection test in 40 CFR §63.425(f) or (g) at the facility, the cargo tank either:
    - (1) Before repair work is performed on the cargo tank, meets the leak detection test requirements

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in 40 CFR §63.425(g) or (h), or

- (2) After repair work is performed on the cargo tank before or during the leak detection tests in 40 CFR §63.425(g) or (h), subsequently passes the annual certification test described in 40 CFR §63.425(e).
- iii. The Permittee shall not load a gasoline cargo tank unless it is obtained in writing by the Permittee that:
  - (A) the delivery vehicle is designed and maintained to be vapor-tight at all times;
  - (B) the hatches on the delivery vehicle are closed and securely fastened at all times during loading and unloading operations;
  - (C) the pressure relief valves on the cargo tank are set to release at no less than 0.7 pounds per square inch;
  - (D) the vapor laden gasoline delivery vehicle is refilled only at facilities which meet requirements of subdivision RCSA §22a-174-20(b)(2) or (5);
  - (E) the hoses in the vapor balance system are properly connected prior to loading and unloading;
  - (F) the vapor return hoses, couplers and adapters used in gasoline delivery are vapor-tight;
  - (G) the delivery vehicle vapor return equipment is compatible in size and forms a vapor-tight connection with the vapor balance equipment on the dispensing facility storage tank;
  - (H) dispense gasoline to a stationary storage tank having an approved control system in a manner that does not interfere with the collection efficiency on the control system;
  - (I) load and unload in a manner that does not cause the delivery vehicle tank to be subject to a pressure in excess of 18 inches of water or a vacuum in excess of 6 inches of water; and
  - (J) No transfer of gasoline from a delivery vehicle to a dispensing facility stationary storage tank if there are leaks in pressure/vacuum relief valves or hatch covers of the delivery vehicle, in the truck tanks or in associated vapor and liquid lines. [RCSA §22a-174-20(b)(10)]
- iv. The Permittee shall operate the vapor collection and liquid loading equipment to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. This level is not to be exceeded when measured by the procedures specified in 40 CFR §60.503(d). [40 CFR §60.502(h)]
- v. Each calendar month, the Permittee shall conduct a leak inspection of total organic compounds liquid or vapor leaks. This inspection shall be of all equipment in gasoline service and shall occur while gasoline cargo tanks are being loaded. For this inspection, detection methods incorporating sight, sound, or smell are acceptable. Each leak detected shall be recorded and the source of the leak repaired within 15 calendar days after it is detected. [40 CFR §60.502(j)]
- vi. The Commissioner may test a delivery vehicle during loading and unloading operations to evaluate its vapor-tightness by measuring the vapor concentration at a distance of one inch from the source with a combustible gas detector, calibrated with propane using the test procedure described in CARB TP-204.3, Determination of Leaks. Equipment is vapor-tight when a measured vapor concentration



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is less than 14,000 parts per million. [RCSA §22a-174-20(b)(15)]

*c. Record Keeping Requirements*

- i. The Permittee shall keep records of continuous performance testing performed at any time at the facility under 40 CFR §§63.425(f), (g), and (h). [40 CFR §63.428(b)(2)]
- ii. The Permittee shall keep documentation of the vapor tightness (EPA Reference Method 27) test results for each cargo tank loaded at this facility. [40 CFR §60.502(e)(1)]
- iii. The Permittee shall keep the tank identification number of each gasoline cargo tank as it is loaded at the facility. [40 CFR §60.502(e)(2)]
- iv. The Permittee shall keep records of the annual certification testing performed under 40 CFR §63.425(e) or (i) for each gasoline cargo tank loading at the premises. [40 CFR §63.428(b)(1)]
- v. The Permittee shall keep an up-to-date record of the documentation file for performance and certification testing performed for each gasoline cargo tank loading at the premises. The documentation for each test shall include, as a minimum, the following information: [40 CFR §63.428(b)(3)]
  - (A) Name of test: Annual Certification Test - Method 27 (§63.425(e)(1)); Annual Certification Test - Internal Vapor Valve (§63.425(e)(2)); Leak Detection Test (§63.425(f)); Nitrogen Pressure Decay Field Test (§63.425(g)); Continuous Performance Pressure Decay Test (§63.425(h)); or Railcar Bubble Leak Test Procedure (§63.425(i)).
  - (B) Cargo tank owner's name and address.
  - (C) Cargo tank identification number.
  - (D) Test location and date.
  - (E) Tester name and signature.
  - (F) Witnessing inspector, if any: Name, signature, and affiliation.
  - (G) Vapor tightness repair: Nature of repair work and when performed in relation to vapor tightness testing.
  - (H) Test results: test pressure; pressure or vacuum change, mm of water; time period of test; number of leaks found with instrument; and leak definition.
- vi. The Permittee shall keep documentation certifying that the Permittee has cross-checked the identification number of each gasoline tank loaded with corresponding vapor tightness test results within two weeks after the tank is loaded unless either of the following conditions is maintained:
  - (A) Cross-checking may be conducted on a quarterly basis if less than an average of one gasoline cargo tank per month over the last 26 weeks is loaded without vapor tightness documentation; or
  - (B) Cross-checking may be conducted semiannually if less than an average of one gasoline cargo tank per month over the last 52 weeks is loaded without the vapor tightness documentation.

If quarterly or semiannual cross-checking reveals that the required conditions are not maintained the

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Permittee shall immediately return to biweekly monitoring until such time as the required conditions are again met. [40 CFR §60.502(e)(3)]

- vii. The Permittee shall keep documentation certifying that the Permittee has notified the owner or operator of each non-vapor-tight gasoline cargo tank loaded within one week of the cross-check which revealed the incident. [40 CFR §60.502(e)(4)]
- viii. The Permittee shall keep documentation certifying that the Permittee has taken steps to assure that a non vapor-tight cargo tank is not reloaded at the facility until proper vapor tightness documentation is obtained. [40 CFR §63.422(c) and 40 CFR §60.502(e)(5)]
- ix. The Permittee shall record all tests performed by owner and operator of a delivery vehicle under subdivision RCSA §22a-174-20(b)(12) and maintain for a minimum of five years from the date of such tests and made available to the commissioner within three business days after the commissioner requests such records. [RCSA §22a-174-20(b)(12)(D)]
- x. The Permittee shall maintain a copy of the O&M plan for any equipment used to load or unload gasoline and training program materials at the facility. [RCSA §22a-174-20(b)(16)(C)]
- xi. The Permittee shall maintain monthly records demonstrating implementation of the O&M plan, including records of persons completing the training program required in Section III.B.2.a.v of the Title V Permit, at the facility. All such records shall be maintained for five (5) years from the date such record is created and made available to the commissioner to inspect and copy upon request. [RCSA §22a-174-20(b)(16)(D)]
- xii. The documentation file for each gasoline tank truck 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 §60.505(b)]
  - (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 5 minutes, mm of water (average for 2 runs).
- xiii. The Permittee shall keep documentation of all notifications required under §60.502(e)(4) on file at the terminal for at least 2 years. [40 CFR §60.505(d)]

#### *d. Reporting Requirements*

- i. The Permittee shall report to the commissioner a description of the types, identification numbers, and

### **Section III: Applicable Requirements and Compliance Demonstration**

locations of all equipment in gasoline service. [40 CFR §63.428(f)]

- ii. The Permittee shall submit semiannually to the commissioner, a report that includes each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the Permittee. The report shall also include the number of equipment leaks at the gasoline cargo tank not repaired within five days after detection. [40 CFR §63.428(g)]
- iii. The Permittee shall submit an excess emissions report to the Administrator/commissioner in accordance with 40 CFR §63.10(e)(3), whether or not a CMS is installed at the facility. The following occurrences are excess emissions events under 40 CFR Part 63 Subpart R, and the following information shall be included in the excess emissions report, as applicable: [40 CFR §63.428(h)]
  - (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.
  - (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 §63.422(c)(2).
  - (C) 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:
    - (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.
- iv. The Permittee shall notify the owner or operator of each non-vapor-tight gasoline tank truck loaded at the affected facility within one week of the documentation cross-check. [40 CFR §60.502(e)(4)]
- v. If the Permittee or the owner or operator of any delivery vehicle performs a test or retest required in reference to RCSA §22a-174-20(b)(12) or §22a-174-20(b)(13) in this Title V permit, they shall notify the Department's Bureau of Air Management, Field Operations Section of the time and location of the test or retest at least 48 hours in advance. [RCSA §22a-174-20(b)(14)]

#### **C. EMISSION UNIT 29 (EU-29): PRODUCT DISTRIBUTION SYSTEM**

**Subject to: RCSA §22a-174-20; 40 CFR Part 63 Subpart R**

##### **1. VOC**

###### *a. Limitation or Restriction*

- i. The Permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for over a six hour period in accordance with RCSA §22a-174-20(b)(2)(B). The Permittee shall take measures including, but not limited to, the following: [40 CFR §63.424(g)]

### **Section III: Applicable Requirements and Compliance Demonstration**

- (A) Minimize gasoline spills;
- (B) Clean up spills as expeditiously as practicable;
- (C) Cover all open gasoline containers with a gasketed seal when not in use; and
- (D) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

#### *b. Monitoring Requirements*

- i. The Permittee shall perform a monthly leak inspection of all equipment in gasoline service. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. Each piece of equipment shall be inspected during the loading of a gasoline cargo tank. [40 CFR §63.424(a)]
- ii. 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. [40 CFR §63.424(c)]
- iii. Delay of repair of leaking equipment will be allowed upon a written demonstration, to the commissioner's satisfaction that the repair within 15 days is not feasible. The Permittee shall provide the reason(s) a delay is needed and the expected date for the completion of each repair. [40 CFR §63.424(d)]

#### *c. Record Keeping Requirements*

- i. The Permittee shall sign a logbook at the completion of each inspection and indicate when the inspection was done, who did the inspection, specifically what was inspected, and the results of the inspection. A section of the log shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the premises. [40 CFR §63.424(b)]
- ii. A record of each monthly leak inspection required shall be kept by the Permittee on file at the premises for at least five years. Inspection records shall include, as a minimum, the following information: [RCSA §22a-174-33(j)(1)(K)(ii) and RCSA §22a-174-33(o)(2)]

(A) Date of inspection;

(B) Findings from the inspection;

(C) Leak determination method;

(D) Corrective action taken (dates each leak repaired; reasons for any repair interval in excess of 15 days); and

(E) Inspector name and signature.

- iii. The Permittee shall record the following in the log book for each leak detected: [40 CFR §63.424(c) and 40 CFR §63.428(e)]

(A) The equipment type and identification number of the equipment where a leak is located;

(B) The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or

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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) If the leak is not repaired within 15 calendar days after discovery of the leak, the reason for the delay;

(F) The expected date of successful repair of the leak if the leak is not repaired within 15 days; and

(G) The date of successful repair of the leak.

#### *d. Reporting Requirements*

i. The Permittee shall include in a semiannual report to the commissioner the following information, as applicable: [40 CFR §63.428(e), 40 CFR §§63.424(a), (b), and (c), and 40 CFR §60.502(j)]

(A) Each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the premises;

(B) The equipment type and identification number for each leak that is detected;

(C) The nature of the leak (i.e. vapor or liquid) and the method of detection (i.e. sight, sound, or smell);

(D) The date the leak was detected and the date of each attempt to repair the leak;

(E) Repair methods applied in each attempt to repair the leak;

(F) "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak;

(G) The expected date of successful repair of the leak if the leak is not repaired within 15 days;

(H) The date of successful repair of the leak; and

(I) The number of equipment leaks not repaired within five days after detection, the location and the size of such leaks.

ii. The Permittee shall report to the commissioner a description of the types, identification numbers, and locations of all equipment in gasoline service. [40 CFR §63.428(f)]

### **D. EMISSIONS UNIT 30 (EU-30): MARINE VESSEL LOADING OPERATION**

**Subject to: Permit No. 117-0380**

#### **1. Operating Conditions**

##### *a. Limitation or Restriction*

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- i. The Permittee shall only load distillate products containing biodiesel, diesel, and No. 2 fuel oil. [Permit No. 117-0380]
  - ii. The Permittee shall load distillate products with the vapor pressure below 0.75 psi. [Permit No. 117-0380]
  - iii. The Permittee shall load distillate products containing less than 10% benzene content, by weight. [Permit No.117-0380]
  - iv. The Permittee shall adhere to the following maximum pump rates: [Permit No. 117-0380]
    - (A) Single Connection
      - (1) 588,000 gal/hr
      - (2) 14,000 barrels/hr
    - (B) Two Connections (each)
      - (1) 294,000 gal/hr
      - (2) 7,000 barrels/hr
  - v. The Permittee shall adhere to the following maximum consecutive 12 month loading of distillate products: [Permit No. 117-0380]
    - (A) 169,344,000 gal
    - (B) 4,032,000 barrels
  - vi. The Permittee shall operate and maintain this equipment in accordance with the manufacturer's specifications and written recommendations. [Permit No. 117-0380]
- b. Monitoring Requirements*
- i. The Permittee shall continuously monitor distillate product dispersion using a non-resettable totalizing fuel meter. [Permit No. 117-0380]
  - ii. The Permittee shall continuously monitor the hourly, monthly and consecutive 12 month distillate product dispersion rate in gallons or barrels. [Permit No. 117-0380]
  - iii. The Permittee shall monitor the vapor pressure of each distillate product loaded, in psi. [Permit No. 117-0380]
  - iv. The Permittee shall monitor the benzene content of each distillate product loaded, in percent. [Permit No. 117-0380]
- c. Record Keeping Requirements*
- i. The Permittee shall keep records of monthly and consecutive 12 month distillate product dispersion both by type and combined total. The consecutive 12 month distillate product dispersion shall be

### **Section III: Applicable Requirements and Compliance Demonstration**

determined (for each type and combined) by adding the current month's distillate product dispersion to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [Permit No. 117-0380]

- ii. The Permittee shall keep a record of the vapor pressure of each distillate product loaded, in psi. [Permit No.117-0380]
- iii. The Permittee shall keep a record of the benzene content of each distillate product loaded, in percent. [Permit No. 117-0380]
- iv. The Permittee shall keep all records required by this permit for a period of no less than five years and shall submit such records to the commissioner upon request. [Permit No. 117-0380]

#### *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)]

## **2. VOC**

#### *a. Limitation or Restriction*

The VOC emissions from vessel loading shall not exceed 4.90 lb/hr and 0.71 ton per year. [Permit No. 117-0380]

#### *b. Monitoring Requirements*

- i. Record keeping specified in Section III.D.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)]
- ii. The Permittee shall continuously monitor distillate product dispersion using a non-resettable totalizing fuel meter. [Permit No. 117-0380]

#### *c. Record Keeping Requirements*

- i. The Permittee shall calculate and record the monthly and consecutive 12 month VOC emissions 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. Such records shall include a sample calculation for the pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [Permit No. 117-0380]
- ii. The Permittee shall keep all records required by this permit for a period of no less than five years and shall submit such records to the commissioner upon request. [Permit No. 117-0380]

#### *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

#### E. 112(r) ACCIDENTAL RELEASE REQUIREMENTS

Should any of the units, as defined in 40 CFR section 68.3, become subject to the accidental release prevention regulations in part 68, then the Permittee shall submit a risk management plan pursuant to 40 CFR section 68.12 by the date specified in section 68.10 and shall certify compliance with the requirements of part 68 as part of the annual compliance certification as required by 40 CFR section 70.6(c)(5).

#### 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).



### **Section III: Applicable Requirements and Compliance Demonstration**

- 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.
- 17. Nitrogen Oxide Emissions:** The Permittee shall comply with the requirements for control of nitrogen oxide emissions as set forth in RCSA §22a-174-22e and §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).

## Section IV: Compliance Schedule

<b>Section IV: Compliance Schedule</b>
No Steps are required for achieving compliance at this time.

## 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: Office of the Director; Enforcement Division; 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: U.S. EPA New England, 5 Post Office Square, Suite 100 (Mailcode: 04-2), Boston, Massachusetts 02109, Attn: Air 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 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:

## **Section VI: Title V Requirements**

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.

### **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

## Section VI: Title V Requirements

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.

### **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

## Section VI: Title V Requirements

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.

### **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.

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### **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:

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).



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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-6o.

### **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).

### **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.