Connecticut Department of

ENERGY &
ENVIRONMENTAL
PROTECTION

BUREAU OF AIR MANAGEMENT
TITLE V OPERATING PERMIT

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

Title V Permit Number	117-0257-TV
Client/Sequence/Town/Premises Numbers	6566/1/117/88
Date Issued	September 14, 2016
Expiration Date	September 14, 2021

Corporation:

Gulf Oil Limited Partnership

Premises Location:

428-500 Waterfront Street, New Haven, Connecticut 06517

Name of Responsible Official and Title:

Steve Carten, Vice President Terminal Operations

All the following attached pages, 2 through 35, are hereby incorporated by reference into this Title V permit.

/s/ Anne Gobin for
Robert J. Klee
Commissioner

September 14, 2016
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

Abbreviation/Acronym	*Description*
ºF	Degree Fahrenheit
AOS	Alternative Operating Scenario
ASTM	American Society for Testing and Materials
CEM	Continuous Emission Monitor
CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
CO	Carbon Monoxide
DEEP	Department of Energy and Environmental Protection
EU	Emissions Unit
EPA	Environmental Protection Agency
GEU	Grouped Emissions Unit
HAP	Hazardous Air Pollutant
hr	Hour
MACT	Maximum Achievable Control Technology
mm Hg	Millimeters of Mercury
MSDS	Material Safety Data Sheet
NESHAP	National Emission Standards for Hazardous Air Pollutants
NSPS	New Source Performance Standard
NSR	New Source Review
ppmvd	Parts per million, volumetric basis dry
PTE	Potential to Emit
RCSA	Regulations of Connecticut State Agencies
RVP	Reid Vapor Pressure
SIC	Standard Industrial Classification Code
SOS	Standard Operating Scenario
TOC	Total Organic Compounds
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 Terminal
Primary SIC: 5171

Facility Mailing Address: 80 William Street, Suite 400, Wellesley Hills, MA 02481
Telephone Number: (508) 270-8300

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 and distillate 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.

The Terminal is not currently configured to conduct marine vessel loading operations; therefore, it's not subject to 40 CFR 63 Subpart Y.

A Vapor Recovery Unit #2 (VRU) controls the emissions from the loading of gasoline cargo tanks. Gulf Oil operates the loading rack along with the VRU in accordance with a New Source Review (NSR) permit 117-0241. A smaller VRU, Unit #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, Orders, Registrations, or Regulations into this Title V permit.

TABLE II.A: EMISSIONS UNITS DESCRIPTION

Grouped Emissions Unit/ Emissions Unit		Emissions Unit Description	Control Unit Description	Permit, Order, Registration, or Regulation Number
GEU-1	EU-1	Aboveground Combined Gasoline and Distillate Storage Vessel #101 Construction Date: 06/01/1937 Maximum Capacity: 3,337,908 gallons	Fixed roof with an internal floating roof and vapor seals	Registration 117-0298
	EU-2	Aboveground Combined Gasoline and Distillate Storage Vessel #103 Construction Date: 06/01/1926 Maximum Capacity: 478,380 gallons	Fixed roof with an internal floating roof and vapor seals	Registration 117-0301
	EU-7	Aboveground Combined Gasoline and Distillate Storage Vessel #108 Construction Date: 06/01/1926 Maximum Capacity: 478,380 gallons	Fixed roof An internal floating roof with vapor seals is required during operation.	Registration 117-0307
	EU-8	Aboveground Combined Gasoline and Distillate Storage Vessel #109 Construction Date: 06/01/1933 Maximum Capacity: 836,052 gallons	Fixed roof An internal floating roof with vapor seals is required during operation.	Registration 117-0309
	EU-9	Aboveground Combined Distillate and Ethanol Storage Vessel #110 Construction Date: 06/01/1936 Maximum Capacity: 854,448 gallons	Fixed roof with an internal suspended roof with mechanical shoe seals	Registration 117-0311
	EU-10	Aboveground Combined Gasoline and Distillate Storage Vessel #111 Construction Date: 06/01/1938 Maximum Capacity: 3,195,612 gallons	Fixed roof with an internal suspended roof with mechanical shoe seals	Registration 117-0312
	EU-11	Aboveground Combined Gasoline and Distillate Storage Vessel #112 Construction Date: 06/01/1959 Maximum Capacity: 4,033,008 gallons	Fixed roof with an internal suspended roof with mechanical shoe seals	NSR Permit 117-0352 40 CFR 60 Subpart Kb 40 CFR 63 Subpart R

Section II: Emissions Units Information

TABLE II.A: EMISSIONS UNITS DESCRIPTION				
Grouped Emissions Unit/ Emissions Unit		**Emissions Unit Description**	**Control Unit Description**	**Permit, Order, Registration, or Regulation Number**
GEU-1	EU-12	Aboveground Combined Gasoline and Distillate Storage Vessel #113 Construction Date: 06/01/1958 Maximum Capacity: 4,030,908 gallons	Fixed roof with an internal suspended roof with mechanical shoe seals	NSR Permit 117-0243 40 CFR 60 Subpart Kb 40 CFR 63 Subpart R
	EU-13	Aboveground Combined Gasoline and Distillate Storage Vessel #114 Construction Date: 06/01/1959 Maximum Capacity: 4,046,784 gallons	Fixed roof with an internal suspended roof with mechanical shoe seals	NSR Permit 117-0353 40 CFR 60 Subpart Kb 40 CFR 63 Subpart R
	EU-14	Aboveground Combined Gasoline and Distillate Storage Vessel #115 Construction Date: 06/01/1958 Maximum Capacity: 1,714,272 gallons	Fixed roof with an internal suspended roof with mechanical shoe seals	Registration 117-0317
GEU-2	EU-26	Gasoline Loading Operations & Vapor Recovery Unit #2 (VRU #2 Main and VRU #1 as a Back-Up) Construction Date: 10/01/1968	Carbon Adsorption /Absorption	NSR Permit 117-0241 40 CFR 60 Subpart XX 40 CFR 63 Subpart R
	EU-27	Gasoline Loading Operations (Truck Fugitive Emissions) Construction Date: 10/01/1968	Carbon Adsorption /Absorption	NSR Permit 117-0241 40 CFR 60 Subpart XX 40 CFR 63 Subpart R
	EU-28	Distillate Loading Operations (Truck Loading Rack) Construction Date: 10/01/1968 Max. Capacity: 1,121,280,000 gallons	None	NSR Permit 117-0241 40 CFR 60 Subpart XX 40 CFR 63 Subpart R
EU-29		Product Distribution System (Fugitive Emissions) Construction Date: Prior to 1972	None	Not Required

Section II: Emissions Units Information

B. OPERATING SCENARIO IDENTIFICATION

The Permittee shall be allowed to operate under the following Standard Operating Scenarios (SOS) 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.

TABLE II.B: OPERATING SCENARIO IDENTIFICATION

Emissions Units Associated with the Scenario	Description of Scenario
All Emissions Units	The Permittee shall operate all the emissions units for the purposes of fuel receipt, storage and distribution in accordance with applicable permit terms and conditions and with manufacturer's design specifications.

Section III: Applicable Requirements and Compliance Demonstration

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

A. GROUPED EMISSION UNIT 1 (GEU-1): ABOVEGROUND COMBINED GASOLINE AND DISTILLATE STORAGE VESSELS

1. VOC

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. 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: [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 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 millfinished 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 this subsection, 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. The Permittee shall notify the commissioner when a tank is emptied and degassed under this subparagraph 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.

(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:

(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)]

b. Monitoring Requirements

i. The Permittee shall calculate the monthly VOC emissions from all storage vessels using equations in AP-42 Chapter 7 or TANKS Program v. 4.09d or the latest version. The annual VOC emissions shall be based on a 12 month rolling aggregate. [RCSA §22a-174-33(j)(l)(K)(ii)]

ii. The Permittee shall install on each tank, a fixed roof and floating roof which will rest on the surface of the liquid contents. The Permittee shall equip each internal floating roof with a closure device between the wall of the storage vessel and the edge of the internal floating roof in accordance with 40 CFR 60.112b(a)(1)(ii) and RCSA §22a-174-20(a)(2)(D), i.e. a liquid or vapor-mounted seal, a double-seal system, and a mechanical shoe seal.
[40 CFR 60.112b(a)(1) and RCSA §22a-174-20(a)(2)]

iii. 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)]

iv. 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)]

v. 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 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)]

vi. 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.v 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)]

vii. 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)]

viii. 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)]

ix. 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.

x. The Permittee shall physically measure gaps to not exceed 0.125 inches between any deck fitting gasket, seal or wiper and any surface that such gasket, seal or wiper is intended to seal whenever the tank is emptied and degassed, but no less than once every 10 years.
[RCSA §22a-174-20(a)(3)(B)]

xi. A complete inspection of the cover and seal shall be conducted by the Permittee whenever the storage vessel is emptied for non-operational reasons but in any event at least once per year.
[RCSA §22a-174-20(a)(3)]

xii. The Permittee shall determine compliance with the RVP not to exceed 9.0 pounds per square inch of gasoline to be sold or delivered between May 1 and September 15 by the Permittee to any dispensing facility in Connecticut, by using the following ASTM test methods: [RCSA §22a-174-20(a)(11)]

(A) Samples to be analyzed for RVP shall be collected and handled according to ASTM method D5842-95 (2000), "Standard Practice for Sampling and Handling of Fuels for Volatility Measurement;" [RCSA §22a-174-20(a)(13)]

(B) RVP shall be determined using ASTM method D5191-07 (2007), "Standard Test Method for Vapor Pressure of Petroleum Products (Mini Method)," except that the following correlation equation shall be used: [RCSA §22a-174-20(a)(14)]

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

c. Record Keeping Requirements

i. Monthly emissions shall be recorded by the Permittee for each storage vessel and used in determining the annual emissions in tons on a 12-month rolling average. The records shall be kept for a minimum of five years after such record is made. [RCSA §22a-174-33(j)(l)(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 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)]

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

(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.ix 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 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,

(G) Date, cleaning method and cleaning agents used for any cleaning performed,

(H) Any approval by the commissioner or Administrator issued pursuant to this subsection.

v. In addition to the requirements of RCSA §22a-174-4 Source Monitoring, Record Keeping, and Reporting, the commissioner may by permit or order require the Permittee of any gasoline storage tank farm to provide records of the analysis of gasoline samples to determine compliance with Section III.A.1.a.vi of this Title V Permit. [RCSA §22a-174-20(a)(12)]

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.b.ii and Section III.A.1.b.iv 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.v 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.v 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 or the inspection required by 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 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.iv & vi 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.vi 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 was 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. If any of the conditions specified in Sections III.A.1.b.v of this Title V Permit are detected, a report shall be furnished by the Permittee 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 the repair and the date the repair was made. [40 CFR 60.115b(a)(3)]

vi. The Permittee shall notify the commissioner in writing of any planned changes to a storage vessel not less than 30 days before the changes are performed. [RCSA §22a-174-33(j)(K)(ii)]

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)]

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)]

B. GROUPED EMISSION UNIT 2 (GEU-2): LOADING OPERATIONS

1. VOC

a. Limitation or Restriction

i. The emissions to the atmosphere from the carbon adsorption system (the 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. [40 CFR 63.422(b)]

ii. 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. [NSR Permit 117-0241]

iii. The VOC emissions from the VRU from processing gasoline loaded at the rack shall not exceed 22.82 tons per year. [NSR Permit 117-0241]

iv. The fugitive VOC emissions from loading gasoline at the loading rack shall not exceed 29.67 tons per year. [NSR Permit 117-0241]

v. The VOC emissions from the Jet Fuel Additive System shall not exceed 0.01 tons per year.

[NSR Permit 117-0241]

vi. The total VOC emissions from loading gasoline and Jet Fuel Additive System at the loading rack shall not exceed 52.5 tons per year. [NSR Permit 117-0241]

b. Monitoring Requirements

i. 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]

ii. To ensure that the emissions remain at or below 10 mg/l of the gasoline loaded, the Permittee shall operate the VRU and the booster 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 10 mg/l of the gasoline loaded. [NSR Permit 117-0241 and 40 CFR 60.503(a) & (c)]

iii. The carbon adsorption system (the VRU) and the booster shall be operated by the Permittee to prevent any total organic compounds vapors collected at one loading rack from passing to another loading rack. [NSR Permit 117-0241 and 40 CFR 60.502(d)]

iv. The Permittee shall 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. [40 CFR 63.427(a)(1)]

v. 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 protocol submitted by the Permittee and approved by the commissioner. [RCSA §22a-174-5(e)(2)]

vi. 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)]

vii. The 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)]

viii. The Permittee shall monitor and record the quantity of gasoline through the loading rack on a daily basis. [NSR Permit 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. [NSR Permit 117-0241]

ii. 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)]

iii. 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)]

iv. 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)]

v. 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)]

vi. 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. [40 CFR 63.428(c)(1)]

vii. The Permittee shall record and report simultaneously with the notification of compliance status: [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).

viii. 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)]

ix. 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)]

x. The Permittee shall keep all records for at least five years. [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)]

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 standard of 10 mg/l of gasoline loaded. [40 CFR 63.425(b)]

iii. Any changes made to the manufacturer's recommendations shall be submitted to the Department within 15 days prior to the changes. [NSR Permit 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 gasoline loading racks shall be equipped with loading arms that have a vapor collection adapter, pneumatic, hydraulic, or other mechanical means to force a vapor-tight seal between the adapter and the hatch. A means shall be provided to prevent liquid organic 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)]

iii. After April 1, 1982, 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)]

iv. The Permittee shall allow the commissioner to test a delivery vehicle during loading and unloading

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

v. 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 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 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 subdivisions 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 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) for each gasoline cargo tank loading at the premises. [40 CFR 63.428(b)(1)]

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

vi. 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)]

vii. 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)]

viii. The Permittee shall records all tests performed under this subdivision and maintain for a minimum of five (5) years from the date of such tests and made available to the commissioner within three (3) business days after the commissioner requests such records. [RCSA §22a-174-20(b)(12)(D)]

ix. 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)]

x. 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)]

d. Reporting Requirements

i. 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)]

ii. 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 this subpart, 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.

iii. 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)]

iv. Any person who 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 shall notify the Department's Bureau of Air Management, Field Operations Section of the time and location of the test or retest at least forty-eight (48) hours in advance. [RCSA §22a-174-20(b)(14)]

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

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)]

(A) Minimize gasoline spills;

(B) Clean up spills as expeditiously as practicable;

(C) Cover all open gasoline containers with a gasket 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 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.

D. 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 (RMP) 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).

Section III: Applicable Requirements and Compliance Demonstration

E. 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. **Emergency Episode Procedures:** The Permittee shall comply with the procedures for emergency episodes as set forth in RCSA §22a-174-6.

3. **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.

4. **Prohibition of Air Pollution:** The Permittee shall comply with the requirement to prevent air pollution as set forth in RCSA §22a-174-9.

5. **Public Availability of Information:** The public availability of information shall apply, as set forth in RCSA §22a-174-10.

6. **Prohibition Against Concealment/Circumvention:** The Permittee shall comply with the prohibition against concealment or circumvention as set forth in RCSA §22a-174-11.

7. **Violations and Enforcement:** The Permittee shall not violate or cause the violation of any applicable regulation as set forth in RCSA §22a-174-12.

8. **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.

9. **No Defense to Nuisance Claim:** The Permittee shall comply with the regulations as set forth in RCSA §22a-174-14.

10. **Severability:** The Permittee shall comply with the severability requirements as set forth in RCSA §22a-174-15.

11. **Responsibility to Comply:** The Permittee shall be responsible to comply with the applicable regulations as set forth in RCSA §22a-174-16.

12. **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. (Section 18 approved by EPA on 9-23-1982, current Regulation submitted to EPA on 12-1-2004.)

13. **Sulfur Compound Emissions:** The Permittee shall comply with the requirements for control of sulfur compound emissions as set forth in RCSA §22a-174-19.

14. **Organic Compound Emissions:** The Permittee shall comply with the requirements for control of organic compound emissions as set forth in RCSA §22a-174-20.

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

16. **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).

17. **Emission Fees:** The Permittee shall pay an emission fee as set forth in RCSA §22a-174-26(d).

Section IV: Compliance Schedule

TABLE IV: COMPLIANCE SCHEDULE				
Emissions Unit	**Applicable Regulations**	**Steps Required for Achieving Compliance (Milestones)**	**Date by which Each Step is to be Completed**	**Dates for Monitoring, Record Keeping, and Reporting**

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.

G. Open Burning: The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).

H. Fuel Sulfur Content

1. For the period beginning July 1, 2014 and ending June 30, 2018, the Permittee shall not use No. 2 heating oil that exceeds five hundred parts per million of sulfur by weight as set forth in CGS §16a-21a(a)(2)(A); and

2. On or after July 1, 2018, 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 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; Engineering & 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 in a computer-readable format and addressed to: U.S. EPA New England, 5 Post Office Square, Suite 100 (OES04-2), 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:

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.

Section VI: Title V Requirements

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

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

1. The type of monitoring or records used to obtain such data, including record keeping;

2. The date, place, and time of sampling or measurement;

3. The name of the individual who performed the sampling or the measurement and the name of such individual's employer;

4. The date(s) on which analyses of such samples or measurements were performed;

5. The name and address of the entity that performed the analyses;

6. The analytical techniques or methods used for such analyses;

7. The results of such analyses;

8. The operating conditions at the subject source at the time of such sampling or measurement; and

9. All calibration and maintenance records relating to the instrumentation used in such sampling or measurements, all original strip-chart recordings or computer printouts generated by continuous monitoring instrumentation, and copies of all reports required by the subject permit.

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

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

1. Identify those obligations under the compliance plan schedule in this Title V permit which the Permittee has met, and the dates on which they were met; and

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

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

Section VI: Title V Requirements

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

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

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

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

Notwithstanding Section VI.D 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.

Section VI: Title V Requirements

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

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

N. PERMIT AVAILABILITY

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

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

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

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

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

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

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

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

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

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

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

Section VI: Title V Requirements

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).

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-6m.

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.

Section VI: Title V Requirements

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.