Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

www.deq.virginia.gov

Stefanie K. Taillon
Secretary of Natural and Historic Resources

Michael S. Rolband, PE, PWD, PWS Emeritus
Director

August 27, 2025

Mr. Tom Keefe
Vice President – Environmental, Health, and Safety
Global Companies – Fairfax Terminal
3800 Pickett Road
Fairfax, VA 22031

Location: Fairfax City
Registration No.: 70248

Dear Mr. Keefe:

Attached is a renewal Title V permit to operate your facility pursuant to 9VAC5 Chapter 80 Article 1 of the Virginia Regulations for the Control and Abatement of Air Pollution. The attached permit will be in effect beginning August 27, 2025

In the course of evaluating the application and arriving at a final decision to issue this permit, the Department of Environmental Quality (DEQ) deemed the application complete on August 30, 2024, and solicited written public comments by placing a newspaper advertisement in the Washington Times on July 25, 2025. The thirty-day required comment period, provided for in 9VAC5-80-270, expired on August 25, 2025.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and/or civil charges. Please read all permit conditions carefully.

This permit approval to operate shall not relieve Global Companies – Fairfax Terminal of the responsibility to comply with all other local, state, and federal permit regulations.

The Board's Regulations as contained in Title 9 of the Virginia Administrative Code 5-170-200 provide that you may request a formal hearing from this case decision by filing a petition with the DEQ within 30 days after this case decision notice was mailed or delivered to you. Please consult the relevant regulations for additional requirements for such requests.

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal of this decision by filing a Notice of Appeal with:

Director
Department of Environmental Quality
P. O. Box 1105
Richmond, VA 23218

If this permit was delivered to you by mail, three days are added to the thirty-day period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for information on the required content of the Notice of Appeal and for additional requirements governing appeals from decisions of administrative agencies.

If you have any questions concerning this permit, please contact Jennifer M. Fore at (804) 494-9638 or by email at Jennifer.Fore@deq.virginia.gov

Sincerely,

Justin A. Wilkinson, Air Permit Manager
Virginia Department of Environmental Quality
Northern Regional Office
13901 Crown Court, Woodbridge, Virginia 22193
Justin.Wilkinson@deq.virginia.gov
(571) 408-1651

Attachment: Permit

cc:
Jennifer M. Fore, DEQ CO Air Permit Writer (electronic)
R. David Hartshorn, DEQ NRO Air Compliance Manager (electronic)
Yongtian (Tom) He, PhD, U.S. EPA Region III (he.yongtian@epa.gov)
Maya Whitaker, DEQ Office of Air Permit Programs (OAPP) (electronic)

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Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1, of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9VAC5-80-50 through 9VAC5-80-300, of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	**Global Companies – Fairfax Terminal**
Facility Name:	**Global Companies – Fairfax Terminal**
Facility Location:	**3800 Pickett Road** **Fairfax, Virginia 22031-3606**
Registration Number:	**70248**
Permit Number:	**NRO-70248**

This permit includes the following programs:

Federally Enforceable Requirements - Clean Air Act

August 27, 2025
Effective Date

August 26, 2030
Expiration Date

Regional Air Permit Manager

August 27, 2025
Signature Date

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Facility Information

Permittee
Global Companies – Fairfax Terminal
3800 Pickett Road
Fairfax, VA 22031-3606

Responsible Official
Tom Keefe
VP EHS Operations

Facility
Global Companies – Fairfax Terminal
3800 Pickett Road
Fairfax, VA 22031-3606

Contact Person
Tom Keefe
VP EHS Operations
(781) 983-0365
County-Plant Identification Number: **51 - 600 - 00069**

Facility Description: NAICS **424710** – Petroleum Bulk Stations and Terminals. Global Companies – Fairfax Terminal operates a bulk petroleum storage and distribution terminal in Fairfax County, VA and has a potential to operate 8,760 hours per year.

Denatured ethanol and additives are received by tanker truck, whereas distillate, aviation jet fuel, and gasoline are received by common carrier pipeline. Denatured ethanol, distillate, aviation jet fuel, and gasoline are stored in aboveground storage tanks (AST). Additives and denatured alcohol are mixed with products at the five-lane loading rack prior to being dispensed. Volatile Organic Compound (VOC) emissions from the loading rack are controlled by a vapor recovery unit (VRU) consisting of a carbon adsorption unit or by the back-up vapor combustion unit (VCU).

Emission Units

Process Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description*	PCD ID	Pollutant Controlled	Applicable Permit Date
31536	31536	Vertical Fixed Roof tank Petroleum liquid storage tank (Diesel/Jet fuel/ Kerosene/Other Distillate Products) Constructed Before July 11, 1972	2,475,102 Gallons	--	--	--	June 5, 2020
30801	30801	Vertical Fixed Roof tank Petroleum liquid storage tank (Diesel/Jet fuel/ Kerosene/Other Distillate Products) Constructed Before July 11, 1972	1,487,514 Gallons	--	--	--	June 5, 2020
30802	30802	Fixed Roof AST Petroleum liquid storage tank. (Gasoline/Diesel/ Ethanol/Jet Fuel/Ethanol-Gasoline Blend) Constructed Before July 11, 1972 Modified December 12, 2007	1,443,414 Gallons	Internal Floating Roof with a mechanical shoe primary seal and rim mounted secondary seals	--	VOC	June 5, 2020
30803	30803	Fixed Roof AST Petroleum liquid storage tank. (Gasoline/Diesel/ Ethanol/Jet Fuel/Ethanol-Gasoline Blend) Constructed Before July 11, 1972	998,382 Gallons	Internal Floating Roof with a mechanical shoe primary seal and rim mounted secondary seals	--	VOC	June 5, 2020
30804	30804	Fixed Roof AST Petroleum liquid storage tank. (Gasoline/Diesel/ Ethanol/Jet Fuel/Ethanol-Gasoline Blend) Constructed Before July 11, 1972	1,000,860 Gallons	Internal Floating Roof with a mechanical shoe primary seal and rim mounted secondary seals	--	VOC	June 5, 2020

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description*	PCD ID	Pollutant Controlled	Applicable Permit Date
30805	30805	Fixed Roof AST Petroleum liquid storage tank. (Gasoline/Diesel/ Ethanol/Jet Fuel/Ethanol-Gasoline Blend) Constructed Before July 11, 1972	1,074,864 Gallons	Internal Floating Roof with a mechanical shoe primary seal and rim mounted secondary seals	--	VOC	June 5, 2020
30806	30806	Fixed Roof AST Petroleum liquid storage tank. (Gasoline/Diesel/ Ethanol/Jet Fuel/Ethanol-Gasoline Blend) Constructed Before July 11, 1972	1,066,674 Gallons	Internal Floating Roof with a mechanical shoe primary seal and rim mounted secondary seals	--	VOC	June 5, 2020
30807	30807	Fixed Roof AST Petroleum liquid storage tank. (Gasoline/Diesel/ Ethanol/Jet Fuel/Ethanol-Gasoline Blend) Constructed Before July 11, 1972	2,476,278 Gallons	Internal Floating Roof with a mechanical shoe primary seal and rim mounted secondary seals	--	VOC	June 5, 2020
30808	30808	Fixed Roof AST Petroleum liquid storage tank. (Gasoline/Diesel/ Ethanol/Jet Fuel/Ethanol-Gasoline Blend) Constructed Before July 11, 1972	2,461,410 Gallons	Internal Floating Roof with a mechanical shoe primary seal and rim mounted secondary seals	--	VOC	June 5, 2020
Loading Rack	Loading Rack	Five-lane Tanker Truck Loading Rack	180,000 gal/hr	John Zink Vapor Recovery Unit (VRU), Model No. S3-AAW-6-100-80-12 Activated Carbon Adsorption Beds (2) John Zink Vapor Collection Unit (VCU), Model No ZCT-3-9-50-X-2/8-2/8,97.4 MMBTU Two Propane Fired Pilot Flames, Enclose Flare	VRU VCU	VOC	June 5, 2020

*The Size/Rated capacity and PCD efficiency is provided for informational purposes only, and is not an applicable requirement.

Tanks Requirements - (Emission Unit ID#s: 31536, 30801, 30802, 30803, 30804, 30805, 30806, 30807, and 30808)

Limitations

1. **Emission Controls (Unit Ref. No. 30802 – 30808) –**

   a. Volatile Organic Compound (VOC) emissions from the operation of the tanks storing fuels (Unit Ref. No 30802 – 30808) shall be controlled by Internal Floating Roofs (IFR) with appropriate seal(s). The seals shall meet the design criteria in 60.112b(a)(1), except for the secondary seal requirements under 60.112b(a)(1)(ii)(B) and the requirements in 60.112b(a)(1)(iv) through (ix). The storage tanks shall be provided with adequate access for inspection.

   b. The internal floating roof for the tanks (Unit Ref. No 30802 – 30808) shall float on the liquid surface (but not necessarily in complete contact with it) at all times, except during those intervals when the storage vessel is completely emptied of subsequently emptied and filled.

   c. The internal floating roof for Tank 30802 shall be equipped with one of the closure devices described in 40 CFR 60.112b(a)(1)(ii) between the wall of the storage vessel and the edge of the internal floating roof.

   d. Each opening in a non-contact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.

   e. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.

   f. Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.

   g. Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.

   h. 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 ninety percent of the opening.

   i. 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.

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

(9VAC5-80-110, 9VAC5-40-5220.A, 40 CFR 60.112.b, 40 CFR 63 Subpart BBBBBB Table 1 Item 2(b), 40 CFR 63.11083(e), 40 CFR 63.11087(a), and Condition 1 of 06/05/2020 NSR Permit)

2. **Gasoline Throughput (Unit Ref. No. 30802 – 30808) –** Gasoline and gasoline containing blends shall be stored in tanks equipped with an internal floating roof so as to minimize the VOC emissions from the tanks. The annual throughput of gasoline for IFR equipped tanks (Unit Ref. No 30802-30808) shall not exceed 450,000,000 gallons per year, calculated monthly, as the sum of each consecutive twelve-month period.
(9VAC5-80-110 and Condition 15 of 06/05/2020 NSR Permit)

3. **Diesel Fuel/AVJET Fuel Throughput (Unit Ref. No. 30801 – 30808 & Unit Ref. No. 31536) –** The annual throughput of diesel fuel/AVJET fuel for storage tanks (Unit Ref. No 30801-30808 & Unit Ref. No 31536) shall not exceed 300,000,000 gallons per year, calculated monthly, as the sum of each consecutive twelve-month period.
(9VAC5-80-110 and Condition 16 of 06/05/2020 NSR Permit)

4. **Ethanol Throughput (Unit Ref. No. 30802 – 30808) –** Ethanol and ethanol containing blends shall be stored in tanks equipped with internal floating roofs so as to minimize VOC emissions from the tanks. The annual throughput of ethanol for IFR equipped tanks (Unit Ref. No 30802-30808) shall not exceed 50,000,000 gallons per year, calculated monthly, as the sum of each consecutive twelve-month period.
(9VAC5-80-110 and Condition 17 of 06/05/2020 NSR Permit)

5. **Storage Tank VOC Emissions (Unit Ref. No. 30801 – 30808 & 31536) -** The combined VOC emissions from the operation of storage tanks (Unit Ref. No 30801-30808 & 31536) shall not exceed 23.0 tons per year. Compliance shall be demonstrated through record keeping demonstrating compliance with Condition 2, 3, and 4 and annual reporting as stated in Condition 59.
(9VAC5-80-110 and Condition 20 of 06/05/2020 NSR Permit)

6. **Emissions Reduction (Unit Ref. No. 30801 – 30808 & 31536) -** Tanks (Unit Ref No. 30801-30808 & 31536) shall be equipped with a control method that will remove, destroy, or prevent the discharge into the atmosphere of at least 90% by weight of VOCs. Tanks storing petroleum liquids with a vapor pressure greater than or equal to 1.5 psia under actual storage conditions shall achieve this reduction by installing an internal floating roof with a seal system according to 9 VAC 5-40-5230. A. The tanks shall be painted white, light pastel or light metallic and such exterior paint shall be periodically maintained in good condition.
(9VAC5-80-110 and 9VAC5-40-5220. A. 1 and 2)

7. **Emissions Reduction (Unit Ref. No. 30801 – 30808 & 31536)** The permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
   a. Minimize gasoline spills;
   b. Clean up spills as expeditiously as practicable;
   c. Cover all open gasoline containers and all gasoline storage tank fill-pipes 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.

   (9VAC5-80-110 and 40 CFR 63.11085(b))

8. **IFR Control System (Unit Ref. No. 30801 – 30808 & 31536)** - On and after May 8, 2027, the permittee shall equip, maintain, and operate each internal floating roof control system to maintain the vapor

concentration within the storage tank above the floating roof at or below 25 percent of the lower explosive limit (LEL) on a 5-minute rolling average basis without the use of purge gas.
(9VAC5-80-110, 40 CFR 63.11083(d)(2), 40 CFR 63.11087(a), and 40 CFR 63 Subpart BBBBBB Table 1 Item 2c)

Monitoring

9. **Tank Visual Inspections (Initial Filling with Gasoline, Ethanol, or Gasoline/Ethanol Blends) (Unit Ref. No. 30802 – 30808) –** The permittee shall make visual inspections of the internal floating roofs and associated seals, and the fittings of IFR equipped tanks (Unit Ref. No 30802-30808), prior to filling each with gasoline, ethanol, or gasoline/ethanol blends. If there are holes, tears, or other openings in the seals, defects in the floating roofs, or leakage in or around the fittings, the permittee shall repair the items before initial filling or refilling of storage tanks. The permittee shall notify the Air Compliance Manager of DEQ Northern Regional Office (NRO), in writing at least thirty days prior to filling or refilling of each storage tank for which an inspection is required. In the event it is impossible, by reason of extenuating circumstances, that a thirty day notice cannot be made, the Air Compliance Manager of DEQ NRO, shall be notified by telephone at least seven days prior to the filling/refilling of the storage vessel. Notification shall be made immediately following the telephone call by a written document explaining why an inspection was unplanned.
(9VAC5-80-110, 40 CFR 60.113b(a), 40 CFR 63.11087(c), 40 CFR 63.11092(f)(1), 9VAC5-40-5300, 9VAC5-40-5310, and Condition 7 of 06/05/2020 NSR Permit)

10. **Tank Visual Inspections (After Tank Emptying or Degassing) (Unit Ref. No. 30802 – 30808) –** 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) of each tank (Unit Ref. No 30802-30808) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than ten percent open area, the permittee shall repair the items as necessary such that none of these conditions exist before refilling. In no event shall these visual inspections be conducted at intervals greater than ten years. The permittee shall notify the Air Compliance Manager of DEQ NRO, in writing at least thirty days prior to filling or refilling of each storage tank for which an inspection is required. In the event it is impossible, by reason of extenuating circumstances, that a thirty-day notice cannot be made, the Air Compliance Manager of DEQ NRO shall be notified by telephone at least seven days prior to the filling/refilling of the storage vessel. Notification shall be made immediately following the telephone call by a written document explaining why an inspection was unplanned.
(9VAC5-80-110, 40 CFR 60.113b(a), 40 CFR 63.11087(c), 40 CFR 63.11092(f)(1), 9VAC5-40-5300, 9VAC5-40-5310, and Condition 8 of 06/05/2020 NSR Permit)

11. **Tank Annual Visual Inspection (Unit Ref. No. 30802 – 30808) –** The permittee shall visually inspect, at least every twelve months after initial fill, each tank's (Unit Ref. No 30802-30808) internal floating roof and seals through available manholes and roof hatches on the fixed roof of each tank. Fittings for each tank shall be inspected for leaks during this inspection. If the inspection reveals that the internal floating roof is not resting on the surface of the petroleum product inside the tank, or there is liquid accumulated on the roof, or a seal is detached, or there is a hole or tear in a seal, or there is a fitting found to be leaking, or that the seal is not intact and uniformly in place around the circumference of the cover between the cover and the tank wall, the permittee shall repair the items or empty and remove the tank from service within forty five-days. If a failure that is detected during the inspections required by this condition cannot be repaired within forty-five days, or if the tank cannot be emptied within forty-five days in order to make

repair, a thirty-day extension may be requested from the Air Compliance Manager of DEQ NRO. An extension request must be made in writing and certify that alternate storage capacity is unavailable and establish a schedule for completing the necessary repairs.
(9VAC5-80-110, 9VAC5-40-5230 A, 40 CFR 60.113b(a), 40 CFR 63.11087(c), 40 CFR 63.11092(f)(1), and Condition 9 of 06/05/2020 NSR Permit)

12. **Determination of Compliance Status (Unit Ref No. 30801 - 30808 & 31536) -** On and after May 8, 2027, the permittee shall conduct lower explosive limit (LEL) monitoring on Tank 30802 as specified in 40 CFR 63.11092(f)(1)(ii). The permittee shall report this determination in the Notification of Compliance Status report under 40 CFR 63.11093(b).
(9VAC5-80-110, 40 CFR 63.11087(g)) and 40 CFR 63.11083(d)(2))

13. **Lower Explosive Limit Monitoring (Unit Ref No. 30801 - 30808 & 31536) -** On and after May 8, 2027, the permittee shall conduct lower explosive limit (LEL) monitoring as specified in 40 CFR 63.425(j). A deviation of the LEL level is considered an inspection failure under Condition 11 and must be remedied as such. Any repairs must be confirmed effective through re-monitoring of the LEL and meeting the levels in 2c of Table 1 of 40 CFR 63 Subpart BBBBBB within the timeframes specified in Condition 11.
(9VAC5-80-110, 40 CFR 63.11092(f)(1)(ii) and 40 CFR 63.11083(d)(2))

Recordkeeping

14. **On Site Records (Unit Ref. Nos. 30801 – 30808 & Unit Ref No. 31536) –** The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Air Compliance Manager, of DEQ NRO:

    These records shall include, but are not limited to:

    a. Monthly and rolling twelve-month gasoline volume delivered through the storage tanks to demonstrate compliance with Condition 2.

    b. Monthly and rolling twelve-month diesel fuel oil/AV jet fuel volume delivered through the storage tanks to demonstrate compliance with Condition 3.

    c. Monthly and rolling twelve-month ethanol volume delivered through the storage tanks to demonstrate compliance with Condition 4.

    d. Records of periodic exterior tank paint maintenance as required by Condition 6

    e. Results of tank visual inspections as required by Condition 9, 10 and 11.

    f. Records showing the dimension of Tank 30802 and an analysis showing the capacity of the tank.

    g. Records of the volatile organic liquid (VOL) stored in Tank 30802, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period.

    h. Records specified in 40 CFR 63.11094(a), as applicable.

Compliance for the consecutive twelve-month period referenced in Subsections a thru c above, shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding eleven months.
(9VAC5-80-110, 40 CFR 60.116b(b) and (c), 40 CFR 63.11094, and Condition 29 of 06/05/2020 NSR Permit)

Reporting

15. **Notification for Defects** - If defects as described in Condition 11 are detected during the annual visual inspection a report shall be furnished to the Regional Air Compliance Manager of the DEQ's NRO within thirty 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.
(9VAC5-80-110. F, 40 CFR 60.115b(a), and 9VAC5-50-50 H)

16. **Notification prior to Filling or Refilling** – The permittee shall notify the Regional Air Compliance Manager of the DEQ's NRO in writing, at least thirty days prior to filling or refilling of each storage tank for which an inspection is required. In the event it is impossible, by reason of extenuating circumstances, that a thirty-day notice cannot be made, the Regional Air Compliance Manager of the DEQ's NRO shall be notified by telephone at least seven days prior to the filling/refilling of the storage vessel. Notification shall be made immediately following the telephone call by a written document explaining why an inspection was unplanned.
(9VAC5-80-110.F, 40 CFR 60.115b(a)(3), 9VAC5-40-5300, 9VAC5-40-5310, and Conditions 7 and 8 of the 06/05/2020 NSR Permit)

17. **Notice of Compliance Status LEL Monitoring Determination** – On and after May 8, 2027, the permittee shall report the LEL monitoring determination in the Notification of Compliance Status report under 40 CFR 63.11093(b) as specified in Condition 12.
(9VAC5-80-110, 40 CFR 63.11087(g), and 40 CFR 63.11083(d)(2))

Loading Rack Requirements - (Emission Unit ID#s: Rack1)

Limitations

18. **Emission Controls – Loading Rack (Unit Ref. No. Rack1) –** VOC emissions from the loading rack shall be controlled by a vapor collection system, which routes vapors to either the Vapor Recovery Unit (VRU) or backup Vapor Collection Unit (VCU). The VRU and backup VCU shall be provided with adequate access for inspection. The VRU or VCU shall be in operation when the loading rack is operating. The operators of the vapor collection system, the VRU, and the backup VCU shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at a minimum.
(9VAC5-80-110, 40 CFR 60.502, 40 CFR 63.11088(a), 40 CFR 63 Subpart BBBBBB Table 2 Item1(c), and Condition 2 of 06/05/2020 NSR Permit)

19. **Tanker Truck Vapor Tightness Certification (Unit Ref. No. Rack1)** – Loading of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks as follows:

    a. The terminal owner or operator shall obtain the vapor tightness documentation described in recordkeeping Condition 45.a below, for each gasoline tank truck which is to be loaded at the facility.

b. The terminal owner or operator shall require the tank identification number to be recorded as each gasoline tank truck is loaded.

c. The terminal owner or operator shall maintain the computerized delivery system such that a truck without a vapor tightness test within the last year shall not be allowed to load.

d. Should the computerized delivery system fail or be out of service, the owner or operator shall cross-check each tank identification number obtained as required in Condition 19.a above to assure vapor tightness documentation is valid, within two weeks after the tank is loaded, following these guidelines:

i. If less than an average of one gasoline tank truck per month over the last twenty-six weeks is loaded without vapor tightness documentation then the cross-check may be performed each quarter; or

ii. If less than an average of one gasoline tank truck per month over the last fifty-two weeks is loaded without vapor tightness documentation then the documentation crosscheck may be performed semiannually.

iii. If either the quarterly or semiannual crosscheck provided in Conditions 19.d.i or ii reveals that these conditions were not maintained, the source must return to the biweekly monitoring until such time as these conditions are again met.

e. The terminal owner or operator shall notify the gasoline tank truck owner or operator of each non vapor-tight gasoline tank truck loaded at the facility within one week of performing the vapor tightness cross check.

f. The terminal owner or operator shall take steps assuring that the non vapor-tight gasoline tank truck will not be reloaded at the facility until vapor tightness documentation for that tank is obtained.

g. Alternative procedures to those described in (a) through (e) may be used only with prior approval from DEQ.

(9VAC5-80-110, 40 CFR 60.502, 40 CFR 63 Subpart BBBBBB Table 2 Item 1 (d) and (f), 40 CFR 63.11087(e), 40 CFR 63.11088(f), 40 CFR 63.11094(b), and Condition 11 of 06/05/2020 NSR Permit)

20. **Compatible Vapor Collection Equipment (Unit Ref. No. Rack1)** – The permittee shall ensure that loading of gasoline is made only into tank trucks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.
(9VAC5-80-110, 40 CFR 60.502(f), and Condition 12 of 06/05/2020 NSR Permit)

21. **Vapor Collection Systems Connected During Loading (Unit Ref. No. Rack1) –** The permittee shall act to ensure that the terminal's and the tank truck's vapor collection systems are connected during loading of each gasoline tank truck. This shall be accomplished by training drivers in hookup procedures and posting visible reminder signs at the loading racks.
(9VAC5-80-110, 40 CFR 60.502(g), and Condition 13 of 06/05/2020 NSR Permit)

22. **Delivery Tank Truck Gauge Pressure (Unit Ref. No. Rack1) –** The vapor collection system and liquid loading equipment shall not open at pressures less than 4,500 Pascal (450 mm of water) during product loading.
(9VAC5-80-110, 40 CFR 60.502(i), and Condition 14 of 06/05/2020 NSR Permit)

23. **Pilot Flame Fuel (Unit Ref. No. Rack1) –** The approved fuel for the VCU is propane. A change in the fuel type shall be considered a change in the method of operation of the backup VCU and may require a new or amended permit. However, if a change in the fuel is not subject to new source review permitting requirements, this condition should not be construed to prohibit such a change.
(9VAC5-80-110 and Condition 19 of 06/05/2020 NSR Permit)

24. **Loading Rack Emissions (Unit Ref. No. Rack1) –** The emissions from the operation of the VRU and the backup VCU due to the loading of gasoline into tank trucks shall not exceed ten milligrams of TOC per liter (10 mg/l) of gasoline loaded. TOC emissions may exclude the methane and ethane content as specified in 40 CFR 60.503.c(6) This value does not include fugitive VOC emissions from tank truck loading at the rack which are calculated as reflected in EPA 450/2-78-051.
(9VAC5-80-110, 40 CFR 60.502(b), 40 CFR 63 Subpart BBBBBB Table 2 Items 1(b) and 1(c), 40 CFR 63 Subpart BBBBBB Table 3 Item 1, and Condition 21 of 06/05/2020 NSR Permit)

25. **Vapor Processing System VOC Emissions (Unit Ref. No. Rack1) –** VOC emissions from the processing of fuel through the truck loading rack, including fugitives, the VRU and the backup VCU combined shall not exceed 45.0 tons per year, calculated monthly as the sum of each consecutive twelve-month period. Refer to Condition 59 to demonstrate compliance with this Condition.
(9VAC5-80-110 and Condition 22 of 06/05/2020 NSR Permit)

26. **System Maximum Pressure (Unit Ref. No. Rack1)** - The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery tank from exceeding 4, 500 Pascals (450 mm of water) during product loading.
(9VAC5-80-110 and 40 CFR 60.502(h))

27. **Visible Emission Limit (Unit Ref No. Rack1) –** Visible emissions from either the VRU or the backup VCU shall not exceed 5 percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9VAC5-80-110 and Condition 23 of 06/05/2020 NSR Permit)

28. **Thermal Oxidation System (Unit Ref. No. Rack1)** – On and after May 8, 2027, for the thermal oxidation system, the permittee shall comply with either the provisions in 40 CFR 63.11092(e)(2)(i) or (ii).
(9VAC5-80-110 and 40 CFR 63.11092(e)(2))

29. **Reduction of TOC (Unit Ref No. Rack1)** On and after May 8, 2027, the permittee shall reduce emissions of TOC to the limits in Table 3 of 40 CFR 63 Subpart BBBBBB as follows:

    a. For a carbon adsorption system or other vapor recovery system (VRU)

        i. Reduce emissions of TOC to less than or equal to 19,200 parts per million by volume as propane determined on a 3-hour rolling average considering all periods when the vapor recovery system is capable of processing gasoline vapors, including periods when liquid product is being loaded, during carbon bed regeneration, and when preparing the beds for reuse.

ii. Operate the vapor recovery system to minimize air or nitrogen intrusion except as needed for the system to operate as designed for the purpose of removing VOC from the adsorption media or to break vacuum in the system and bring the system back to atmospheric pressure. Consistent with 40 CFR 63.4, the use of diluents to achieve compliance with a relevant standard based on the concentration of a pollutant in the effluent discharged to the atmosphere is prohibited.

(9VAC5-80-110 and 40 CFR 63 Subpart BBBBBB Table 3 Item 3)

30. **Loading into Gasoline Cargo Tanks (Unit Ref. No. Rack1)–** On and after May 8, 2027, the permittee shall limit the loading of liquid product into gasoline cargo tanks using the procedures specified in 40 CFR 60.502a(e) through (i) and in 40 CFR 63.11092(g) and (h).
(9VAC5-80-110, 40 CFR 63 Subpart BBBBBB Table 2 Item 1(f), and 40 CFR 63.11083(d)(3))

Monitoring

31. **Monthly Leak Inspections (Unit Ref No. Rack1) -** The permittee shall perform a monthly leak inspection of all equipment in gasoline service, as defined in 40 CFR 63.11100. For this inspection, detection methods incorporating sight, sound, and smell are acceptable.

a. A logbook shall be used and shall be signed by the owner or operator at the completion of each inspection. A section of the logbook shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility.

b. Each detection of a liquid or vapor leak shall be recorded in the logbook. When a leak is detected, an initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak, except as provided in Condition 11.

c. Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The permittee shall provide in the semiannual report specified in 40 CFR 63.11095(c), the reason(s) why the repair was not feasible and the date each repair was completed.

(9VAC5-80-110, 40 CFR 63.11089(a), and 40 CFR 63.11089(b))

32. **Continuous Emissions Monitoring System (CEMS) (Unit Ref. No. Rack1) –** TOC emissions from the operation of the VRU shall be measured using a detection principle in accordance with 40 CFR 60 Appendix B, Performance Specification 8, or other method as approved by the Air Compliance Manager of DEQ Northern Regional Office (NRO). The monitoring device sensor shall be located in the outlet duct or stack of the VRU. The monitoring device shall operate while gasoline vapors are displaced to the vapor processor systems as specified in 63.11092(b)(1) through 63.11092(b)(5). The monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations, the requirements found in 40 CFR 60, Appendix B, Performance Specification 8, and the requirements of 40 CFR 60.13.
(9VAC5-80-110, 9 VAC 5-50-40, 40 CFR 63.11088(d), 40 CFR 63.11092(b), 40 CFR 63.11092(e)(4), and Condition 3 of 06/05/2020 NSR Permit)

33. **Monitoring Device Observations (Unit Ref. No. Rack1)** – The CEMS shall be monitored using an electronic system that checks CEMS performance and alerts appropriate personnel of missing data or calibration issues. Malfunctions of the system will not in itself constitute a deviation.
(9VAC5-80-110 and Condition 4 of 06/05/2020 NSR Permit)

34. **Monitoring Device – The backup VCU (Unit Ref. No. Rack1)** – The backup VCU shall be equipped with a monitoring device, such as a heat-sensing device (ultraviolet beam sensor or a thermocouple) in proximity of each pilot light to indicate the presence of a flame. The heat-sensing device shall send a positive parameter value to indicate that the pilot flame is on, or a negative parameter value to indicate that the pilot flame is off. Each monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures, which shall include, as a minimum, the manufacturer's written requirements or recommendations. The monitoring devices shall be in operation when the backup VCU is operating.
(9VAC5-80-110, 40 CFR 63.11088(d), 40 CFR 63.11092(b)(1)(iii)(B)(1), and Condition 5 of 06/05/2020 NSR Permit)

35. **Monitoring Device (Unit Ref. No. Rack1) –** To ensure good performance of the backup VCU the permittee shall do the following as required in Condition 34.

    a. Monitor the presence of the backup VCU's pilot flames and follow the DEQ approved monitoring plan; OR

    b. Monitor and record the stack exhaust's temperature and compare the temperature to the temperature recorded during the most recent stack test of the backup VCU.

    (9VAC5-80-110 and Condition 6 of 06/05/2020 NSR Permit)

36. **Monitoring and Inspection Plan (Unit Ref No. Rack1)** The permittee shall develop and submit to DEQ a monitoring and inspection plan that describes the permittee's approach for meeting the requirements in 40 CFR 63.11092(b)(1)(iii)(B)(2).
(9VAC5-80-110 and 40 CFR 63.11092(b)(1)(iii)(B))

37. **Monthly Leak Inspections (Unit Ref. No. Rack1) –** Each calendar month, the vapor collection system, the vapor processing system, and the loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for total organic compounds liquids or vapor leaks as per 40 CFR 60.502(j). For purposes of these inspections, detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be recorded and the source of the leak repaired within fifteen calendar days after it is detected.
(9VAC5-80-110, 40 CFR 60.502(j), and Condition 10 of 06/05/2020 NSR Permit)

38. **CEMS Maintenance (Unit Ref. No. Rack1) –** The permittee shall calibrate, maintain and operate each installed CEMS for continuously monitoring and recording VOC emission from the vapor recovery unit (VRU), except for when the system breakdowns, repairs, calibration checks, zero and span adjustments required under subdivision B2 of (9VAC5-40-41). Unless otherwise approved by DEQ, each CEMS shall be installed calibrated, maintained and operated in accordance with applicable requirements of 9VAC5-40-40 and 9VAC5-40-41.
(9VAC5-80-110)

39. **Monitoring Device CEMS (Unit Ref. No. Rack1)** – The permittee shall ensure that each installed CEMS shall be configured to compute one-hour averages from four or more data points spaced at approximately equal intervals over each one-hour period. Data recorded during periods of system breakdowns, repairs, calibration checks and zero and span adjustments shall not be included in the data averages computed in this condition. An arithmetic or integrated average of all data may be used. The data output of each CEMS may be recorded in reduced or non-reduced form (e.g., percent propane). All excess emissions should be converted into units of the standard (e.g., mg/l). After conversion into units of the standard, the data shall be rounded to the same number of significant digits used to specify the applicable standard (e.g., 10.36 mg/l rounded to 10.4 mg/l for a 10.0 mg/l standard).
(9VAC5-80-110)

40. **Monitoring Device CEMS (Unit Ref. No. Rack1) –** The permittee shall check the zero and span drift of each installed CEMS at least once daily in accordance with the minimum procedures specified in 9VAC5-40-41.B.2 and the method prescribed by the manufacturer unless the manufacturer recommends adjustments at shorter intervals, in which case such recommendations shall be followed. The zero and span shall, as a minimum, be adjusted whenever the 24-hour zero drift or 24-hour calibration drift limits of the applicable performance specifications in Appendix B of 40 CFR 60 are exceeded.
(9VAC5-80-110)

41. **Monitoring Device CEMS (Unit Ref. No. Rack1) -** The permittee shall ensure that each installed CEMS is audited at least once each calendar quarter. Successive quarterly audits shall occur no closer than 2 months. The audits shall be conducted as follows:

    a. Relative Accuracy Test Audit (RATA). The RATA must be conducted at least once every four calendar quarters. Conduct the RATA as described for the RA test procedure in the applicable Performance Specification (PS) in 40 CFR Part 60, Appendix B (e.g., PS 8 for Volatile Organic Compounds). The permittee shall submit an initial RATA test protocol to DEQ and send an updated RATA test protocol when a change is made. The permittee shall provide written notification at least 30 days prior to performing the tests and reference the approved RATA test protocol or provide an updated RATA test protocol. The permittee shall submit reports of the RATA test results to the DEQ within 60 days of test completion.

    b. Cylinder Gas Audit (CGA). A CGA may be conducted in all calendar quarters except when a RATA is being conducted. The CGA shall be conducted in accordance with the requirements of 40 CFR Part 60, Appendix F, §5.1.2. CGA results shall be submitted to the DEQ along with the permittee's quarterly Excessive Emissions Report submissions (Reference below).

    c. Each CEMS tested must be below the criteria for excessive audit inaccuracy. The criteria for excessive audit inaccuracy are defined in 40 CFR Part 60, Appendix F, §5.2.3 and the applicable Performance Specification (e.g., PS 8 for Volatile Organic Compounds).

    d. Submit a written report of excess emissions and either a monitoring systems performance report or a summary report form, or both, to DEQ quarterly. The summary report and form shall meet the requirements of 40 CFR 60.7 (d). All reports shall be postmarked by the 30th day following the end of each calendar quarter. The written reports of excess emissions shall include the information specified in 9 VAC 5-40-50.C.1.

(9VAC5-80-110)

42. **Continuous Emission Monitoring (Unit Ref. No. Rack1)** - On and after May 8, 2027, for each bulk gasoline terminal complying with the emission limitation in 40 CFR 63 Subpart BBBBBB Table 3 Item 3 (carbon adsorption system, refrigerated condenser, or other vapor recovery system), the permittee shall install, operate, and maintain a continuous emission monitoring system (CEMS) to measure the total organic compounds (TOC) concentration according to 40 CFR 60.504a(b) and conduct performance evaluations as specified in 40 CFR 60.503a(a) and (d). For periods of CEMS outages, the permittee may use the limited alternative monitoring methods as specified in 40 CFR 60.504a(e). (9VAC5-80-110 and 63.11092(e)(4))

43. **Leak Detection and Monitoring:** On and after May 8, 2027, the permittee shall perform leak inspection and repair of all equipment in gasoline service, which includes all equipment in the vapor collection system, the vapor processing system, and each loading rack and loading arm handling gasoline as follows:

    a. Conduct leak detection monitoring of all pumps, valves, and connectors in gasoline service with optical gas imaging (OGI) OR 40 CFR 60 Method 21 of Appendix A-7 annually.

    b. If evidence of a potential leak is found at any time by audio, visual, or olfactory or any other detection method for any equipment (as defined in 40 CFR 60.501a), a leak is detected.

    c. During normal duties, record leaks identified by audio, visual, or olfactory methods.

    d. For pressure relief devices, conduct instrument monitoring of each relief device annually and within 5 calendar days after each pressure release to detect leaks by optical gas imaging (OGI) OR 40 CFR 60 Method 21 of Appendix A-7, except for any pressure relief device that is routed to a process or fuel gas system or equipped with a closed vent system capable of capturing and transporting leakage through the pressure relief device to a control device .

    e. For Sampling connection systems, comply with the requirements in 40 CFR 60.482-5a

    f. For open-ended values or lines, comply with the requirements in 40 CFR 60.482-6a

    (9VAC5-80-110, 40 CFR 63.11083(d)(4), 40 CFR 63.11089(a), and 40 CFR 63.11089(c))

44. **Leak Detection and Monitoring:** On and after May 8, 2027, when a leak is detected the permittee shall follow the following requirements.

    a. The permittee must keep a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility.

    b. A weatherproof and readily visible identification, marked with the equipment identification number, must be attached to the leaking equipment. The identification on equipment may be removed after it has been repaired.

    c. An initial attempt at repair shall be made as soon as practicable, but no later than 5 calendar days after the leak is detected. An initial attempt at repair is not required if the leak is detected using OGI

and the equipment identified as leaking would require elevating the repair personnel more than 2 meters above a support surface.

d. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak, except as provided in Condition 44.c. For leaks identified pursuant to instrument monitoring required by Condition 43.a (40 CFR 60.502a(j)(1)), the leak is repaired when instrument re-monitoring of the equipment does not detect a leak. For leaks identified pursuant to Condition 43.a(60.502a(j)(2)), the leak is repaired when the leak can no longer be identified using audio, visual, or olfactory methods.

e. Delay of repair of leaking equipment will be allowed in accordance with 40 CFR 60.502a(j)(8)(i) through (iv).

(9VAC5-80-110 and 40 CFR 63.11089(c))

Recordkeeping

45. **On Site Records –** The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Air Compliance Manager, of DEQ NRO:

These records shall include, but are not limited to:

a. Tanker truck vapor tightness documentation in accordance with Condition 19, which shall be kept on file at the terminal in a permanent form available for inspection. This documentation file for each gasoline tank truck shall be updated at least once per year to reflect the current test results as determined by Method 27 of 40 CFR 60 Appendix A. This record shall include, at a minimum, the following information:

i. Test title: Gasoline Delivery Tank Pressure Test – EPA Reference Method 27

ii. Tank owner and address

iii. Tank identification number

iv. Testing location

v. Data of test

vi. Tester name and signature

vii. Witnessing inspector, if any – Name, signature and affiliation

viii. Test results – Actual pressure change in five minutes, mm of water (average for 2 runs)

b. Identification number of each tank truck, which receives gasoline, and record of each crosscheck of tank truck identification versus vapor tightness documentation as required in Condition 19.d (if

applicable). The record shall indicate which, if any, tank truck without up to date vapor tightness documentation was loaded with gasoline.

c. Electronic records from the vapor collection system and liquid loading equipment pressure readings recorded during product loading to comply with Condition 22 and records that the control device's pressure gauge to measure the vapor collection system pressure is being operated, calibrated, and maintained in accordance with manufacturer's protocols and recommendations.

d. Records from the VRU monitoring device as required by Condition 33.

e. Records from the backup VCU monitoring device as required by Condition 35.

f. Records of performance testing on the VRU and the backup VCU systems.

g. Results of monthly leak inspections as required by Condition 37.

h. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the VRU and backup VCU. These procedures shall be based on the manufacturer's recommendations, at a minimum.

i. Monthly and Rolling 12-month gasoline volume delivered through the truck loading rack

j. Monthly and rolling 12-month diesel fuel oil/AV jet fuel volume delivered through the truck loading rack

k. Monthly and rolling 12-month ethanol volume

l. Calculation of monthly and rolling 12-month VOC emissions from the processing of fuel through the loading rack.

m. Logbook of each leak detected including information specified in 40 CFR 63.11094(d) and other records as specified in 40 CFR 63.11094, as applicable.

Monthly and rolling 12-month totals shall be calculated monthly by adding the total for the most recently completed calendar month to the individual monthly total for the preceding eleven months (Conditions 45.h.through 45.l) These records shall be available on site for inspection by DEQ and shall be current for the most recent five (5) years.
(9VAC5-80-110, 40 CFR 60.502, 40 CFR 63 Subpart BBBBBB Table 2 Item1(c) & (d), 40 CFR 63.11085(c), 40 CFR 63.11087(e), 40 CFR 63.11094, Condition 2 and Condition 29 of 06/05/2020 NSR Permit)

Testing

46. **Performance Testing** – The permittee shall conduct a performance test of the thermal oxidation system (VCU) at least once every 60 calendar months following the methods specified in 40 CFR 60.503a(a) and (c). Prior to conducting each performance test, the permittee shall continue to meet the monitoring and operating limits that apply based on the previously conducted performance test. A previously conducted

performance test may be used to satisfy this requirement if the conditions in 40 CFR 63.11092(e)(1)(i) through (v) are met.
(9VAC5-80-110 and 40 CFR 63.11092(e))

47. **Performance Testing** - The permittee shall comply with the requirements in 40 CFR 63.11092(d)(1) through (3):

    i. Operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the operating parameter value for the parameters described in 40 CFR 63.11092(b)(1).

    ii. In cases where an alternative parameter pursuant to 40 CFR 63.11092(b)(1)(iv) or (b)(5)(i) of this section is approved, the permittee shall operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the alternative operating parameter value.

    iii. Operation of the vapor processing system in a manner exceeding or going below the operating parameter value, as appropriate, shall constitute a violation of the emission standard in 40 CFR 63.11088(a).

    (9VAC5-80-110 and 40 CFR 63.11092(d))

48. **Performance Testing** - For performance tests performed after the initial test required under 40 CFR 63.11092(a) of this section, the permittee shall document the reasons for any change in the operating parameter value since the previous performance test.
(9VAC5-80-110 and 40 CFR 63.11092(c))

49. **Emission Testing -** The loading rack, VRU and backup VCU shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. Sampling ports shall be provided when requested at the appropriate locations and safe sampling platforms and access shall be provided.
(9VAC5-80-110 and Condition 24 of 06/05/2020 NSR Permit)

Reporting

50. **Notification of Leak Detection** - When a leak detected in accordance with Condition 37 cannot be repaired within fifteen days, the permittee shall notify the Regional Air Compliance Manager of DEQ's NRO. The notification shall state the circumstances of the leak and the reason repair cannot be made within the prescribed fifteen days. A schedule for the repair must accompany the notification.
(9VAC5-80-110. F)

Facility Wide Conditions

Monitoring

51. **Maintenance/Operating Procedures** –The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions:

a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

b. Maintain an inventory of spare parts.

c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures, prior to their first operation of such equipment.

(9VAC5-80-110 and Condition 36 of 06/05/2020 NSR Permit)

52. **Facility Monthly Inspection** - An inspection of the facility shall be conducted monthly on each valve, pump, open-ended valve or line, pressure relief device, sampling connection system, flange or other connector in the gasoline liquid transfer or vapor collection system. For purposes of this paragraph, inspection methods incorporating sight, sound, or smell are acceptable. Each leak detected shall be recorded and the source of the leak repaired within fifteen calendar days after it is detected. Results of this inspection shall be recorded in a log book which shall be kept at the facility being inspected. (9VAC5-80-110 and 9 VAC 5-40-5290)

Recordkeeping

53. **On Site Records –** The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Air Compliance Manager, of DEQ NRO:

These records shall include, but are not limited to:

a. **Record of Malfunctions** – The permittee shall maintain records of the occurrence and duration of any bypass, malfunction, shutdown or failure of the facility or its associated air pollution control equipment that results in excess emissions for more than one hour. Records shall include the date, time, duration, description (emission unit, pollutant affected, cause), corrective action, preventive measures taken and name of person generating the record.

b. **Record of Maintenance** - Records of maintenance and training, including the names of trainees, the date of training and the nature of training.

c. **Records of Annual Report** as required by Condition 59

d. **Records of Emission Statements** as required by Condition 61

e. **Records of Annual HAP Emissions** as required by Condition 62

f. Records of the types, identification numbers, and locations of all equipment in gasoline service. For facilities electing to implement an instrument program under 40 CFR 63.11089(b), the record shall contain a full description of the program.

These records shall be available on site for inspection by DEQ and shall be current for the most recent five (5) years.
(9VAC5-80-110, 40 CFR 63.11094(c), and Conditions 36 and 37 of 06/05/2020 NSR Permit)

54. **Records -** The permittee shall keep applicable records and submit reports as specified in 40 CFR 63.11094(g) and 40 CFR 63.11095(d) or 40 CFR 63.11095(e).
(9VAC5-80-110, 40 CFR 63.11085(c), and 40 CFR 63.11089(f))

Testing

55. **Stack Tests –** Upon request by DEQ, the permittee shall conduct performance tests to demonstrate compliance with the emission limits contained in this permit. The details of the tests shall be arranged with the Air Compliance Manager of DEQ NRO.
(9VAC5-80-110 and Condition 27 of 06/05/2020 NSR Permit)

56. **Visible Emissions Evaluations –** Upon request by the DEQ, the permittee shall conduct visible emission evaluations to demonstrate compliance with the visible emission limits contained in this permit. The details of the tests shall be arranged with the Air Compliance Manager of DEQ NRO.
(9VAC5-80-110 and Condition 28 of 06/05/2020 NSR Permit)

57. **Facility Construction** - The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30 and 9 VAC 5-80-110)

58. **Additional Testing** - If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ.
(9VAC5-80-110)

Reporting

59. **Notification -** The permittee shall submit a Notification of Performance Test or Performance Evaluation as specified in 40 CFR 63 Subpart A, prior to initiating testing required by 40 CFR 63 Subpart BBBBBB and submit additional notifications specified in 40 CFR 63.9.
(9VAC5-80-110, 40 CFR 63.11093(c), and 40 CFR 63.11093(d))

60. **Annual Report** – The permittee shall submit to the Air Compliance Manager of DEQ NRO, no later than January 30th of each calendar year, an annual report documenting annual VOC emissions from the storage and processing of fuel in Tanks 30801 – 30808 and 31536 for the previous calendar year to demonstrate compliance with Condition 5.
(9VAC5-80-110, 9VAC5-50-50, and Condition 30 of 06/05/2020 NSR Permit)

61. **Emission Statement** – The owner of a stationary source emitting twenty-five tons per year or more of VOCs or nitrogen oxides shall submit a completed emission statement to the Air Compliance Manager of DEQ NRO by April 15th of each year for the emissions discharged during the previous calendar year. The emission statement shall be prepared and submitted in the appropriate format.
(9VAC5-20-160B and Condition 31 of 06/05/2020 NSR Permit)

62. **Annual HAP Emissions** - The annual Hazardous Air Pollutant (HAP) emissions, both the individual and combined, shall be reported for the period of January 1 through December 31 using DEQ approved Emissions Estimation Software. The submittal shall be made by April 15th each year in the annual emission update.
(9VAC5-80-110 and 9 VAC 5-20-230)

Insignificant Emission Units

63. Insignificant Emission Units - The following emission units at the facility are identified in the application as insignificant emission units under 9VAC5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9VAC5-80-720B)	Rated Capacity (9VAC5-80-720C)
B106	Oil Water Separator	9VAC5-80-720 B	VOC	1,974 gallons
6810	Additive Tank	9VAC5-80-720 B	VOC	880 gallons
6811	Additive Tank	9VAC5-80-720 B	VOC	222 gallons
6812	Additive Tank	9VAC5-80-720 B	VOC	865 gallons
6813	Additive Tank	9VAC5-80-720 B	VOC	9,951 gallons
6814	Diesel Fiel Oil Storage Tank	9VAC5-80-720 B	VOC	550 gallons
6815	Additive Tank	9VAC5-80-720 B	VOC	9,562 gallons
6816	Interface Tank	9VAC5-80-720 B	VOC	400 gallons
6817	Additive Tank	9VAC5-80-720 B	VOC	81 gallons
6820	Additive Tank	9VAC5-80-720 B	VOC	9,562 gallons
6821	Additive Tank	9VAC5-80-720 B	VOC	595 gallons

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9VAC5-80-110.
(9VAC5-80-110)

Permit Shield & Inapplicable Requirements

64. Permit Shield & Inapplicable Requirements - Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
40 CFR 63 Subpart R	National Emission Standard for Gasoline Distribution	Applies to major sources of HAPs; Global Companies is not a major source of HAPs

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to §114 of the federal Clean Air Act or (ii) the DEQ pursuant to §10.1-1307.3 or §10.1-1315 of the Virginia Air Pollution Control Law.
(9VAC5-80-110 and 9VAC5-80-140)

General Conditions

65. **Federal Enforceability** - All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable. (9VAC5-80-110)

66. **Permit Expiration**

    a. This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9VAC5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

    b. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

    c. If an applicant submits a timely and complete application for an initial permit or renewal under 9VAC5-80-80 F, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9VAC5 Chapter 80, until the DEQ takes final action on the application under 9VAC5-80-150.

    d. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9VAC5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9VAC5 Chapter 80.

    e. If an applicant submits a timely and complete application under section 9VAC5-80-80 for a permit renewal but the DEQ fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9VAC5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

    f. The protection under subsections F 1 and F 5 (ii) of section 9VAC5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9VAC5-80-80 D, the applicant fails to submit by the deadline specified in writing by the DEQ any additional information identified as being needed to process the application.

    (9VAC5-80-80, 9VAC5-80-110 and 9VAC5-80-170)

67. **Recordkeeping and Reporting** - All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

a. The date, place as defined in the permit, and time of sampling or measurements;

b. The date(s) analyses were performed;

c. The company or entity that performed the analyses;

d. The analytical techniques or methods used;

e. The results of such analyses; and

f. The operating conditions existing at the time of sampling or measurement.

(9VAC5-80-110)

68. **Recordkeeping and Reporting** - Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. (9VAC5-80-110)

69. **Recordkeeping and Reporting** - The permittee shall submit the results of monitoring contained in any applicable requirement to the DEQ no later than March 1 and September 1 of each calendar year. This report must be signed by a responsible official, consistent with 9VAC5-80-80 G, and shall include:

a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31; and

b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:

i. Exceedances of emissions limitations or operational restrictions;

ii. Excursions from control device operating parameter requirements, as documented by continuous emission monitoring or periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,

iii. Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semiannual reporting period."

(9VAC5-80-110)

70. **Annual Compliance Certification -** Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to the Environmental Protection Agency (EPA) and the DEQ no later than March 1

each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for the period ending December 31. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a) (3) and §504(b) of the federal Clean Air Act. The permittee shall maintain a copy of the certification for five (5) years after submittal of the certification. This certification shall be signed by a responsible official, consistent with 9VAC5-80-80 G, and shall include:

a. The time period included in the certification. The time period to be addressed is January 1 to December 31;

b. The identification of each term or condition of the permit that is the basis of the certification;

c. The compliance status;

d. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance;

e. Consistent with subsection 9VAC5-80-110, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period;

f. Such other facts as the permit may require to determine the compliance status of the source; and

g. One copy of the annual compliance certification shall be submitted to the EPA in electronic format only. The certification document should be sent to the following electronic mailing address:

R3_APD_Permits@epa.gov

(9VAC5-80-110)

71. **Permit Deviation Reporting** - The permittee shall notify the Northern Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. Owners subject to the requirements of 9VAC5-40-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9VAC5-40-40. The occurrence should also be reported in the next semiannual compliance monitoring report pursuant to Condition 69 of this permit.
(9VAC5-80-110 F. 2)

72. **Failure/Malfunction Reporting** - In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall no later than four daytime business hours after the malfunction is discovered, notify the Northern Regional Office of such failure or malfunction and within 14 days provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9VAC5-40-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9VAC5-40-40 When the condition

causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Northern Regional Office.
(9VAC5-80-110 and 9VAC5-20-180)

73. **Failure/Malfunction Reporting** - The emission units that have continuous monitors subject to 9VAC5-40-50 C or 9VAC5-50-50 C are not subject to the 14 day written notification.
(9VAC5-20-180 and 9VAC5-40-50 or 9VAC5-50-50

74. **Failure/Malfunction Reporting** - The emission units subject to the reporting and the procedure requirements of 9VAC5-40-50 C or the procedures of 9VAC5-50-50 C are listed below:

    a. Rack1

    b. Tanks # 30801-30808 and 31536

    (9VAC5-80-110, 9VAC5-20-180 C and 9VAC5-40-50)

75. F**ailure/Malfunction Reporting** - Each owner required to install a continuous monitoring system (CMS) or monitoring device subject to 9VAC5-40-41 or 9VAC5-50-410 shall submit a written report of excess emissions (as defined in the applicable subpart in 9VAC5-50-410) and either a monitoring systems performance report or a summary report form, or both, to the DEQ quarterly. All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter. All reports shall include the following information:

    a. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h) or 9VAC5-40-41 B.6, any conversion factors used, and the date and time of commencement and completion of each period of excess emissions;

    b. Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the source. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted;

    c. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and

    d. When no excess emissions have occurred or the continuous monitoring systems have not been inoperative, repaired or adjusted, such information shall be stated in the report.

    All malfunctions of emission units not subject to 9VAC5-40-50 C and 9VAC5-50-50 C require written reports within 14 days of the discovery of the malfunction.
    (9VAC5-80-110 , 9VAC5-20-180 C and 9VAC5-50-50)

76. **Severability** - The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9VAC5-80-110)

77. **Duty to Comply** - The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9VAC5-80-110)

78. **Need to Halt or Reduce Activity not a Defense** - It shall not be a defense for a 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 permit.
(9VAC5-80-110)

79. **Permit Modification** - A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9VAC5-80-50, 9VAC5-80-1100, 9VAC5-80-1605, or 9VAC5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9VAC80-110, 9VAC5-80-190, and 9VAC5-80-260)

80. **Property Rights** - The permit does not convey any property rights of any sort, or any exclusive privilege.
(9VAC5-80-110)

81. **Duty to Submit Information** - The permittee shall furnish to the DEQ, within a reasonable time, any information that the DEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the DEQ copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the DEQ along with a claim of confidentiality.
(9VAC5-80-110)

82. **Duty to Submit Information** - Any document (including reports) required in a permit condition to be submitted to the DEQ shall contain a certification by a responsible official that meets the requirements of 9VAC5-80-80 G.
(9VAC5-80-110)

83. **Duty to Pay Permit Fees** - The owner of any source for which a permit was issued under 9VAC5-80-50 through 9VAC5-80-300 shall pay annual emissions fees, as applicable, consistent with the requirements of 9VAC5-80-310 through 9VAC5-80-350 and annual maintenance fees, as applicable, consistent with the requirements of 9VAC5-80-2310 through 9VAC5-80-2350.
(9VAC5-80-110, 9VAC5-80-310 et seq., and 9VAC5-80-2310 et seq.)

84. **Fugitive Dust Emission Standards** - During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

    a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

b. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;

d. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

e. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9VAC5-80-110 and 9VAC5-50-90)

85. **Startup, Shutdown, and Malfunction** - At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the DEQ, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9VAC5-80-110 and 9VAC5-50-20 E)

86. **Alternative Operating Scenarios** - Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9VAC5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9VAC5 Chapter 80, Article 1.
(9VAC5-80-110)

87. **Inspection and Entry Requirements** - The permittee shall allow the DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

a. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

b. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

d. Sample or monitor at reasonable times' substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9VAC5-80-110)

88. **Reopening for Cause** - The permit shall be reopened by the DEQ if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9VAC5-80-80 F. The conditions for reopening a permit are as follows:

    a. The permit shall be reopened if the DEQ or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

    b. The permit shall be reopened if the administrator or the DEQ determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

    c. The permit shall not be reopened by the DEQ if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9VAC5-80-110 D.

    (9VAC5-80-110)

89. **Permit Availability** - Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to the DEQ upon request.
    (9VAC5-80-110 and 9VAC5-80-150)

90. **Transfer of Permits**
    a. No person shall transfer a permit from one location to another, unless authorized under 9VAC5-80-130, or from one piece of equipment to another.

    b. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the DEQ of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9VAC5-80-200.

    c. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the DEQ of the change in source name within 30 days of the name change and shall comply with the requirements of 9VAC5-80-200.

    (9VAC5-80-110 and 9VAC5-80-160)

91. **Permit Revocation or Termination for Cause** - A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9VAC5 Chapter 80 Article 1. The DEQ may suspend, under such conditions and for such period of time as the DEQ may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.

(9VAC5-80-110, 9VAC5-80-190 C, and 9VAC5-80-260)

92. **Duty to Supplement or Correct Application** - Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9VAC5-80-110 and 9VAC5-80-80 E)

93. **Stratospheric Ozone Protection** - If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(9VAC5-80-110 and 40 CFR Part 82)

94. **Asbestos Requirements** - The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9VAC5-60-70 and 9VAC5-80-110)

95. **Accidental Release Prevention** - If the permittee has more or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(9VAC5-80-110 and 40 CFR Part 68)

96. **Changes to Permits for Emissions Trading** - No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9VAC5-80-110)

97. **Emissions Trading** - Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

    a. All terms and conditions required under 9VAC5-80-110, except subsection N, shall be included to determine compliance.

    b. The permit shield described in 9VAC5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

    c. The owner shall meet all applicable requirements including the requirements of 9VAC5-80-50 through 9VAC5-80-300.

    (9VAC5-80-110)