

**Division of Air Resources
Permit Review Report**

Permit ID: 4-0101-00112/00029
Renewal Number: 3
07/03/2024

Facility Identification Data

Name: GLOBAL COMPANIES LLC - ALBANY TERMINAL
Address: 50 CHURCH ST - PORT OF ALBANY
ALBANY, NY 12202

Owner/Firm

Name: GLOBAL COMPANIES LLC
Address: 800 SOUTH ST
PO BOX 9161
WALTHAM, MA 02453, USA
Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:
Name: PATRICIA M GABRIEL
Address: NYSDEC - REGION 4
1130 N WESTCOTT RD
SCHENECTADY, NY 12306-2014
Phone:5183572069

Division of Air Resources:
Name: BENJAMIN POTTER
Address: NYSDEC - REGION 4
1130 N WESTCOTT RD
SCHENECTADY, NY 12306
Phone:5183572345

Air Permitting Contact:
Name: CHARLES FURMAN
Address: GLOBAL COMPANIES ALBANY TERMINAL
50 CHURCH ST
ALBANY, NY 12202
Phone:5184366570

**Permit Description
Introduction**

The Title V operating air permit is intended to be a document containing only enforceable terms and conditions as well as any additional information, such as the identification of emission units, emission points, emission sources and processes, that makes the terms meaningful. 40 CFR Part 70.7(a)(5) requires that each Title V permit have an accompanying "...statement that sets forth the legal and factual basis for the draft permit conditions". The purpose for this permit review report is to satisfy the above requirement by providing pertinent details regarding the permit/application data and permit conditions in a more easily understandable format. This report will also include background narrative and explanations of regulatory decisions made by the reviewer. It should be emphasized that this permit review report, while based on information contained in the permit, is a separate document and is not itself an enforceable term and condition of the permit.

Summary Description of Proposed Project

This renewal involves the combination of a renewal application, major permit modification application, several minor modification applications, and off permit changes.

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Particulate Matter< 10µ in diameter (PM10)	ATTAINMENT
Sulfur Dioxide (SO2)	ATTAINMENT
Ozone*	MARGINAL NON-ATTAINMENT
Oxides of Nitrogen (NOx)**	ATTAINMENT
Carbon Monoxide (CO)	ATTAINMENT

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- * Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NOx) which are ozone precursors.
 - ** NOx has a separate ambient air quality standard in addition to being an ozone precursor.

Facility Description:

Global’s Albany Terminal is located at 50 Church Street in Albany, NY. The facility is permitted for petroleum product loading and storage operations. The facility has an overall refined product (gasoline, ethanol, blendstock, distillate, and biodiesel) throughput limit of 1,928,300,000 gallons with subcaps at each rack. There is an additional permitted 450,000,000 gallon throughput for crude oil at the marine dock. The facility has ten (10) permitted petroleum product storage tanks and five (5) exempt distillate storage tanks. The facility has one (1) truck loading rack, one (1) rail loading rack, and a marine loading dock. The truck loading rack is controlled by a Vapor Recovery Unit (VRUTK) and (VRUT2), rail loading is controlled by a Vapor Combustion Unit (VCURR), and marine loading is controlled by two VCU’s (VCUM1 and VCUM2).

Air dispersion modeling per 6 NYCRR Part 212 was conducted to assess if facility emissions result in off-site impacts that exceed the SGC and AGC levels for benzene and non-HTACs with actual annual emissions greater than 100 lb/yr. Modeling was also completed for H₂S emissions from crude oil storage and loading at the request of NYSDEC.

Total benzene emissions from the facility’s PTE calculations were used for modeling. The PTE calculations were performed using the latest AP-42 methodology (June 2020). Tank emissions (standing and working) and tank landing and cleaning emissions were calculated using AP-42 calculation methods (AP-42 Chapter 7). Two (2) tanks are heated for biodiesel storage. Emissions were calculated as heated tanks per AP-42 (7.1 Organic Liquid Storage Tanks). These tanks are also permitted for distillate storage.

Transfer emissions are calculated using the standard AP-42 method for calculating rack transfers using maximum facility throughput values and design efficiency of the control device. Transfer fugitives use 99.2% capture efficiency factor when loading without vacuum assisted loading (AP-42 [5.2 Transportation and Marketing of Petroleum Liquids]).

Liquid weight concentrations for benzene for gasoline, crude, and distillate were based on speciation data from API 19.4. A benzene liquid weight concentration of 2% was used for blendstock. Vapor weight concentrations calculations for each month of the year were completed based on AP-42 Chapter 7 as part of the PTE. The benzene emissions were determined for each month of the year for each tank. The total benzene emissions for each tank for the worst-case product stored were used in the model.

The average annual benzene vapor weight percent based on monthly AP-42 meteorological data for Albany, NY was used for loading for each product. Gasoline was used as a worst-case for refined product loading as it has the highest vapor benzene concentration. The average annual blendstock benzene vapor

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weight concentration is used for blendstock loading. The average annual benzene vapor weight concentration for crude is used for crude loading calculations.

The facility currently has ten (10) permitted petroleum product storage tanks. The tanks are equipped with internal floating roofs and have varying capacities. To determine the landing scenario that causes the worst-case short-term (1-hour) impact, landing emissions were evaluated for each tank separately in the short-term model. The tank with the worst-case estimate of emissions during landing based on the model results was then used to determine the maximum hourly emission rate of benzene during landings.

Cleanings were also modeled, with the vapor space purge assumed to be the worst-case hour. Uncontrolled vapor space purge was modeled for each tank. Model runs were completed for controlled cleanings (at 98% control). Controlled cleaning run assumptions assumed the use of a thermal oxidizer and were modeled as a horizontal point source.

The facility has one (1) truck loading rack where gasoline, ethanol, and distillate are loaded. The truck rack has a refined product throughput subcap of 879,300,000 gallons per year. Loading operations are controlled with a VRU. The permitted emissions limit is 2 mg/L. The PTE calculation for the loading rack assumed maximum annual throughput of 879,300,000 gallons, controlled by the VRU. Loading rack fugitive emissions are controlled using a vac assist. Under an alternate operating scenario (AOS), loading can occur up to a lower throughput with fugitive emissions. For the short term dispersion model, the truck loading rack was assumed to load gasoline at the maximum loading rate as this is the worst case scenario product. Modeling was conducted for the primary and alternate operating scenarios.

The facility has one (1) rail loading area where gasoline, ethanol, distillate, and biodiesel are loaded. The rail rack has a proposed refined product throughput subcap of 300,000,000 gallons. Loading operations are controlled with a VCU. The permitted emissions limit is 2 mg/L. The PTE calculation for the loading rack assumed maximum annual throughput for each product loaded, controlled by the VCU. Rail loading fugitive emissions are controlled using a vac assist. Under an AOS, loading can occur up to a lower throughput with fugitive emissions. For the short term dispersion model, the rail loading is assumed to load gasoline at the maximum loading rate as this is the worst case scenario product. Modeling was conducted for the primary and alternate operating scenarios.

The facility has one (1) marine loading rack where refined products (gasoline, ethanol, blendstock, distillate, and biodiesel) and crude oil are loaded. The marine dock has a refined product subcap throughput of 900,000,000 gallons and a reduced crude throughput cap of 450,000,000 gallons. Loading operations are controlled by two VCUs. The PTE calculation for the loading rack assumed maximum annual throughput for each product loaded, controlled by two VCUs (VCUM1 at 10 mg/L and VCUM2 at 2 mg/L). Marine loading fugitive emissions will be controlled unless loading under an AOS for inerted vessels using VCUM2. Loading can occur up to a lower throughput with fugitive emissions, assuming 99.9% capture efficiency. For the short term dispersion model, the marine loading was assumed to load gasoline at the maximum loading rate as this is the worst case scenario product. Modeling was conducted for the primary and alternate operating scenarios.

Hourly Emission Rate Potentials (ERP) were calculated for each of the emission sources at the facility for the following non-HTACs, for which actual annual emissions were greater than 100 lb/yr:

- Hexane
- 2,2,4-TMP
- Toluene
- Ethylbenzene

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- Xylenes

The calculated hourly ERPs for the non-HTACs listed above were provided in the model protocol. Modeling was completed for each of the non-HTACs in the hourly ERP evaluation to determine the final Environmental Rating (ER) for each non-HTAC. The initial ERs, based on toxicity alone, are B for hexane, 2,2,4-TMP, ethylbenzene, and xylene and C for toluene.

Emission rates from each source were calculated using the same methodology as for benzene, with the speciation for each non-HTAC used instead of the speciation for benzene. The worst-case speciation for each non-HTAC at each source was used in the modeling, depending on the product loaded. For hourly emissions for the tanks, the speciation for the product being modeled for the landing or cleaning (gasoline or blendstock) for each month was used to calculate the variable emission rates.

Annual model results were significantly below the AGCs for all of the non-HTACs. Only xylenes and toluene were included in the hourly modeling because SGCs are provided for these non-HTACs. No exceedances of the SGC for xylene (22,000 $\mu\text{g}/\text{m}^3$) or toluene (37,000 $\mu\text{g}/\text{m}^3$) were observed in the hourly modeling results.

There were no exceedances of the H₂S AGC in the annual model results. Runs were completed with and without marine fugitives (crude loading is only permitted at the marine dock). The hourly model runs were significantly under the NYS H₂S standard of 14 $\mu\text{g}/\text{m}^3$ for 1 hour for normal operations, when there were no tank maintenance activities (refill after a landing or a cleaning). The hourly model runs exceeded the NYS H₂S standard of 14 $\mu\text{g}/\text{m}^3$ for 1 hour during tank cleanings (controlled and uncontrolled) and refills after a landing (cleaned and uncleaned).

Annual model results for benzene ranged from 0.24 $\mu\text{g}/\text{m}^3$ to 0.29 $\mu\text{g}/\text{m}^3$ when the range of operating scenarios was explored in different model iterations, which exceeds the benzene AGC of 0.13 $\mu\text{g}/\text{m}^3$. However, this result is below the 10-in-a-million cancer risk level, which is identified as the acceptable residual risk management range in DAR-1 Section F.1(c). A TBACT analysis was provided by Global and the Terminal meets TBACT criteria. The hourly benzene results exceed the SGC of 27 $\mu\text{g}/\text{m}^3$ for all of the uncontrolled scenarios. For controlled vapor space purge, two tanks (tanks 119 and 120) pass for all months of the year.

Permit Structure and Description of Operations

The Title V permit for GLOBAL COMPANIES LLC - ALBANY TERMINAL

is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source and process. A facility is defined as all emission sources located at one or more adjacent or contiguous properties owned or operated by the same person or persons under common control. The facility is subdivided into one or more emission units (EU). Emission units are defined as any part or activity of a stationary facility that emits or has the potential to emit any federal or state regulated air pollutant. An emission unit is represented as a grouping of processes (defined as any activity involving one or more emission sources (ES) that emits or has the potential to emit any federal or state regulated air pollutant). An emission source is defined as any apparatus, contrivance or machine capable of causing emissions of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system or air cleaning device. [NOTE: Indirect sources of air contamination as defined in 6 NYCRR Part 203 (i.e. parking lots) are excluded from this definition]. The applicant is required to identify the principal piece of equipment (i.e., emission source) that directly results in or controls the emission of federal or state regulated air pollutants from an activity (i.e., process). Emission sources are categorized by the following types:

- combustion - devices which burn fuel to generate heat, steam or power
- incinerator - devices which burn waste material for disposal

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control - emission control devices
process - any device or contrivance which may emit air contaminants that is not included in the above categories.

GLOBAL COMPANIES LLC - ALBANY TERMINAL is defined by the following emission unit(s):

Emission unit 1RACKT - This emission unit represents the truck rack loading operations.

Emission unit 1RACKT is associated with the following emission points (EP):

OTRK1, OTRK2

Process: FGT Emissions associated with the loading of gasoline, ethanol, gasoline/ethanol blends, distillate, and biodiesel with either Vapor Recovery Unit (Emission Controls: VRUTK or VRUT2) without vacuum assist system operational. Operational Scenario 4

Process: RPT Emissions associated with the loading of gasoline, ethanol, gasoline/ethanol blends, distillate, and biodiesel with either Vapor Recovery Unit (Emission Controls: VRUTK or VRUT2) with additional vacuum assist system (Emission Control: VACTK) Operating Scenario 1.

Emission unit 1TANK1 - This emission unit represents storage tanks to fill, store and distribute the differing permitted products at the facility.

Emission unit 1TANK1 is associated with the following emission points (EP):

00T31, 00T32, 00T39, 0T114, 0T115, 0T117, 0T118, 0T119, 0T120, 0T121, 0T130

Process: BS1 Emissions associated with the storage of blendstock and components in fixed roof storage tanks equipped with internal floating roofs with breathing and/or working losses from tanks.

Process: CR1 Emissions associated with the storage of crude oil and breathing and/or working losses in regards to tanks at the terminal.

Process: PCW Emissions associated with the storage of mixed petroleum wastewater in a fixed roof tank with an internal floating roof.

Process: RP1 Emissions associated with the storage of gasoline and ethanol in fixed roof tanks equipped with internal floating roof. This process also includes the emissions breathing and/or working losses from tanks.

Emission unit 2RACKR - This emission unit represents railcar loading operations.

Emission unit 2RACKR is associated with the following emission points (EP):

ORRK1

Process: DRR Emissions associated with the loading of distillate and biodiesel at rail loading area. Operational Scenario 1

Process: ERR Emissions associated with the loading of denatured ethanol with the Vapor Combustion Unit

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(Emission Control: VCURR) and (Emission Control: VACRR). Operational Scenario 1

Process: FER Emissions associated with the loading of denatured ethanol product with the Vapor Combustion Unit (Emission Control: VCURR) no vacuum assist system. Operational Scenario 5

Process: FGR Emissions associated with the loading of gasoline and gasoline/ethanol blended product with the Vapor Combustion Unit (Emission Control: VCURR) and no Vacuum assist system. Operational Scenario 5

Process: RPR Emissions associated with the loading of gasoline and gasoline/ethanol blended product with the Vapor Combustion Unit (Emission Control: VCURR) and (Emission Control: VACRR) at rail loading area. Operating Scenario 1.

Emission unit 3RACKM - This emission unit represents marine dock loading operations.

Emission unit 3RACKM is associated with the following emission points (EP):

0MDR1, 0MDR2

Process: BM1 Emissions associated with Vapor Combustion Unit (Emission Control: VCUM1) at marine dock while loading blendstock with vacuum assist system (Emission Control: VACMD) Operational Scenario 3

Process: BM2 Emissions associated with Vapor Combustion Unit (Emission Control: VCUM2) at marine dock while loading blendstock with vacuum assist system (Emission Control: VACMD). Operational Scenario 1

Process: CM1 Emissions associated with the marine loading of crude oil with Vapor Combustion Unit (Emission Source: VCUM1) and vacuum assist system (Emission Control: VACMD). Operational Scenario 3

Process: CM2 Emissions associated with the marine loading of crude oil with Vapor Combustion Unit (Emission Source: VCUM2) and vacuum assist system (Emission Control: VACMD). Operational Scenario 1

Process: DM1 Emissions associated with the marine loading of distillates and biodiesel. Operational Scenario 1

Process: EM1 Emissions associated with the loading of denatured ethanol with Vapor Combustion Unit (Emission Control: VCUM1) and Vacuum Assist System (Emission Control: VACMD). Operational Scenario 3

Process: EM2 Emissions associated with loading denatured ethanol with Vapor Combustion Unit (Emission Control: VCUM2) and Vacuum Assist System (Emission Control: VACMD) Operational Scenario 1

Process: FBM Emissions associated with loading of blendstock or blendstock components onto inerted vessels with Vapor Combustion Unit (Emission Control: VCUM2) at marine dock. Operational Scenario 2

Process: FCM Emissions associated with the loading of crude oil into inerted vessels with Vapor Combustion Unit (Emission Control: VCUM2). Operational Scenario 2

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Process: FEM Emissions associated with the loading of denatured ethanol into inerted vessels with Vapor Combustion Unit (Emission Control: VCUM2). Operational Scenario 1

Process: FGM Emissions associated with loading gasoline or gasoline/ethanol blended onto inerted vessels with Vapor Combustion Unit (Emission Control: VCUM2) at marine dock. Operational Scenario 2

Process: GM1 Emissions associated with loading of gasoline and gasoline with ethanol with Vapor Combustion Unit (Emission Control: VCUM1) and Vacuum Assist System (Emission Control: VACMD) . Operational Scenario 3

Process: GM2 Emissions associated with loading of gasoline and gasoline with ethanol blend with Vapor Combustion Unit (Emission Control: VCUM2) with Vacuum Assist System operational (Emission Control: VACMD) Operational Scenario 1

Emission unit 1FUGTV - This emission unit represents facility wide fugitive emissions from pumps, valves, flanges and misc appurtances. Also, representing butane unloading from cargo tankers to tanks.

Process: FUG Facility wide fugitive emissions from pumps, valves, flanges & misc appurtances. This also includes the fugitive emissions from butane unloading from trucks to tanks.

Title V/Major Source Status

GLOBAL COMPANIES LLC - ALBANY TERMINAL is subject to Title V requirements. This determination is based on the following information:
This source is major for Volatile Organic Compounds (VOC's).

Program Applicability

The following chart summarizes the applicability of GLOBAL COMPANIES LLC - ALBANY TERMINAL with regards to the principal air pollution regulatory programs:

Regulatory Program	Applicability
PSD	NO
NSR (non-attainment)	NO
NESHAP (40 CFR Part 61)	YES
NESHAP (MACT - 40 CFR Part 63)	YES
NSPS	YES
TITLE IV	NO
TITLE V	YES
TITLE VI	NO
RACT	NO
SIP	YES

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NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52.21, 6 NYCRR 231-7, 231-8) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NSR New Source Review (6 NYCRR 231-5, 231-6) - requirements which pertain to major stationary sources located in areas which are in non-attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NESHAP National Emission Standards for Hazardous Air Pollutants (40 CFR 61, 6 NYCRR 200.10) - contaminant and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

MACT Maximum Achievable Control Technology (40 CFR 63, 6 NYCRR 200.10) - contaminant and source specific emission standards established by the 1990 CAAA. Under Section 112 of the CAAA, the US EPA is required to develop and promulgate emissions standards for new and existing sources. The standards are to be based on the best demonstrated control technology and practices in the regulated industry, otherwise known as MACT. The corresponding regulations apply to specific source types and contaminants.

NSPS New Source Performance Standards (40 CFR 60, 6 NYCRR 200.10) - standards of performance for specific stationary source categories developed by the US EPA under Section 111 of the CAAA. The standards apply only to those stationary sources which have been constructed or modified after the regulations have been proposed by publication in the Federal Register and only to the specific contaminant(s) listed in the regulation.

Title IV Acid Rain Control Program (40 CFR 72 thru 78, 6 NYCRR 201-6) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

Title VI Stratospheric Ozone Protection (40 CFR 82, Subpart A thru G, 6 NYCRR 200.10) - federal requirements that apply to sources which use a minimum quantity of CFC's (chlorofluorocarbons), HCFC's (hydrofluorocarbons) or other ozone depleting substances or regulated substitute substances in equipment such as air conditioners, refrigeration equipment or motor vehicle air conditioners or appliances.

RACT Reasonably Available Control Technology (6 NYCRR Parts 212-3, 220-1.6, 220-1.7, 220-2.3, 220-2.4, 226, 227-2, 228, 229, 230, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

SIP State Implementation Plan (40 CFR 52, Subpart HH, 6 NYCRR 200.10) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as the SIP. The term here refers to those state regulations that are approved to be included in the SIP and thus are considered federally enforceable.

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Compliance Status

Facility is in compliance with all requirements.

SIC Codes

SIC or Standard Industrial Classification code is an industrial code developed by the federal Office of Management and Budget for use, among other things, in the classification of establishments by the type of activity in which they are engaged. Each operating establishment is assigned an industry code on the basis of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. Larger facilities typically have more than one SIC code.

SIC Code

Description

5171	PETROLEUM BULK STATIONS & TERMINALS
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SCC Codes

SCC or Source Classification Code is a code developed and used" by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information.Each SCC represents a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

SCC Code

Description

4-03-010-99	PETROLEUM PRODUCT STORAGE AT REFINERIES PETROLEUM PRODUCT STORAGE - FIXED ROOF TANKS (VARYING SIZES) SPECIFY LIQUID: WORKING LOSS (TANK DIAMETER INDEPENDENT) FIXED ROOF
4-04-001-50	BULK TERMINALS/PLANTS BULK TERMINALS BULK TERMINALS:MISCELLANEOUS LOSSES/LEAKS:LOADING RACKS
4-04-001-51	BULK TERMINALS/PLANTS BULK TERMINALS
4-04-001-52	Valves, Flanges, and Pumps BULK TERMINALS/PLANTS BULK TERMINALS
4-04-001-53	Vapor Collection Losses BULK TERMINALS/PLANTS BULK TERMINALS Vapor Control Unit Losses

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant , including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount or material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in

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federally enforceable permit conditions. The PTE for each contaminant that is displayed represents the facility-wide PTE in tons per year (tpy) or pounds per year (lbs/yr). In some instances the PTE represents a federally enforceable emissions cap or limitation for that contaminant. The term ‘HAP’ refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

Cas No.	Contaminant	PTE lbs/yr	PTE tons/yr	Actual lbs/yr	Actual tons/yr
0NY502-00-0	40 CFR 60-63 - TOTAL ORGANIC COMPOUNDS (TOC)	214040			
000071-43-2	BENZENE	1080			
000098-82-8	BENZENE, (1- METHYLETHYL)	30			
0NY750-00-0	CARBON DIOXIDE EQUIVALENTS	90220000			
000630-08-0	CARBON MONOXIDE	68780			
000064-17-5	ETHYL ALCOHOL (ETHANOL)	51522			
000100-41-4	ETHYLBENZENE	525			
000110-54-3	HEXANE	6020			
007783-06-4	HYDROGEN SULFIDE	130			
000091-20-3	NAPHTHALENE	60			
0NY210-00-0	OXIDES OF NITROGEN	85020			
000540-84-1	PENTANE, 2,2,4- TRIMETHYL-	1225			
0NY075-00-5	PM-10	6980			
007446-09-5	SULFUR DIOXIDE	26140			
000108-88-3	TOLUENE	3300			
0NY100-00-0	TOTAL HAP	29000			
0NY998-00-0	VOC	214040			
001330-20-7	XYLENE, M, O & P MIXT.	6380			

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10(b)
The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item B: Timely Application for the Renewal of Title V Permits -6 NYCRR Part 201-6.2(a)(4)

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Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

- Item C: Certification by a Responsible Official - 6 NYCRR Part 201-6.2(d)(12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item D: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.4(a)(2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.4(a)(3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
- Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4(a)(5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.
- Item G: Property Rights - 6 NYCRR 201-6.4(a)(6)**
This permit does not convey any property rights of any sort or any exclusive privilege.
- Item H: Severability - 6 NYCRR Part 201-6.4(a)(9)**
If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.
- Item I: Permit Shield - 6 NYCRR Part 201-6.4(g)**
All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary

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abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item J: Reopening for Cause - 6 NYCRR Part 201-6.4(i)

This Title V permit shall be reopened and revised under any of the following circumstances:

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not 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 this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.
- ii. The Department 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.
- iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.
- iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item K: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of

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action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item L: Federally Enforceable Requirements - 40 CFR 70.6(b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

- (a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - (1) An emergency occurred and that the facility owner or operator can identify the cause(s) of the emergency;
 - (2) The equipment at the permitted facility causing the emergency was at the time being properly operated and maintained;
 - (3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
 - (4) The facility owner or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
- (b) In any enforcement proceeding, the facility owner or operator seeking to establish the occurrence of an emergency has the burden of proof.
- (c) This provision is in addition to any emergency or upset provision contained in any applicable requirement. item_02

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**Item B: General Provisions for State Enforceable Permit Terms and Condition - 6
NYCRR Part 201-5**

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Regulatory Analysis

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description

FACILITY	ECL 19-0301	133	Powers and Duties of the Department with respect to air pollution control
FACILITY	40CFR 60-A.11	84	General provisions - compliance with standards and maintenance requirements
FACILITY	40CFR 60-A.11 (d)	85	General provisions - compliance with standards and maintenance requirements
FACILITY	40CFR 60-A.12	86	General provisions - Circumvention
FACILITY	40CFR 60-A.13	87	General provisions - Monitoring requirements
FACILITY	40CFR 60-A.14	88	General provisions - Modification
FACILITY	40CFR 60-A.15	89	General provisions - Reconstruction
FACILITY	40CFR 60-A.4	68	General provisions - Address
FACILITY	40CFR 60-A.7 (a)	69	Notification and Recordkeeping
FACILITY	40CFR 60-A.7 (b)	70	Notification and Recordkeeping
FACILITY	40CFR 60-A.7 (c)	71	Notification and Recordkeeping
FACILITY	40CFR 60-A.7 (d)	72	Notification and Recordkeeping
FACILITY	40CFR 60-A.7 (e)	73	Notification and Recordkeeping
FACILITY	40CFR 60-A.7 (f)	74	Notification and Recordkeeping

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FACILITY	40CFR 60-A.7 (g)	75	Notification and Recordkeeping
FACILITY	40CFR 60-A.8 (a)	76	Performance Tests
FACILITY	40CFR 60-A.8 (b)	77, 78	Performance Tests
FACILITY	40CFR 60-A.8 (c)	79	Performance Tests
FACILITY	40CFR 60-A.8 (d)	80	Performance Tests
FACILITY	40CFR 60-A.8 (e)	81	Performance Tests
FACILITY	40CFR 60-A.8 (f)	82	Performance Tests
FACILITY	40CFR 60-A.9	83	General provisions - Availability of information
FACILITY	40CFR 60-Kb.112b (a)	90	NSPS for volatile organic liquid storage vessels- standard for volatile organic compounds (VOC)
FACILITY	40CFR 60-Kb.113b (a)	91	NSPS for volatile organic liquid storage vessels- testing and procedures
FACILITY	40CFR 60-Kb.115b (a)	92	NSPS for volatile organic liquid storage vessels- reporting and recordkeeping requirements
FACILITY	40CFR 60-Kb.116b	93	NSPS for volatile organic liquid storage vessels- monitoring of operations
FACILITY	40CFR 60-XX.502 (b)	94	Gasoline terminal loading racks over 20,000 gallons/day - standards for VOC
FACILITY	40CFR 60-XX.502 (e)	95	Gasoline terminal loading racks over 20,000 gallons/day - standards for VOC
FACILITY	40CFR 60-XX.502 (f)	96	Gasoline terminal loading racks over 20,000 gallons/day - standards for VOC
FACILITY	40CFR 60-XX.502 (g)	97	Gasoline terminal loading racks over 20,000 gallons/day - standards for VOC
FACILITY	40CFR 60-XX.502 (i)	98	Gasoline terminal loading racks over 20,000 gallons/day - standards for VOC
FACILITY	40CFR 63-BBBBBB.11081 (a)	100	Definition of affected source
FACILITY	40CFR 63-BBBBBB.11083 (b)	101	Compliance date for an existing affected source
FACILITY	40CFR 63-BBBBBB.11087 (a)	102	Gasoline Storage Tanks Requirements
FACILITY	40CFR 63-BBBBBB.11088	103	NESHAP for Area Source Bulk Gasoline Terminals - Requirements for

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FACILITY	40CFR 63-BBBBBB.11089	104	Loading Racks NESHAP for Area Source Gasoline Bulk Terminals - Equipment Leak Inspections
FACILITY	40CFR 63- BBBBBB.11092 (a)	105	NESHAP for Area Source Gasoline Bulk Terminals - Testing and Monitoring Provisions
FACILITY	40CFR 63- BBBBBB.11092 (a)	106	Testing and monitoring provisions - gasoline loading racks
FACILITY	40CFR 63- BBBBBB.11092 (b)	107, 108	NESHAP for Area Source Gasoline Bulk Terminals - Testing and Monitoring Provisions
FACILITY	40CFR 63- BBBBBB.11092 (b)	109	NESHAP for Area Source Gasoline Bulk Terminals - Testing and Monitoring Provisions
FACILITY	40CFR 63- BBBBBB.11092 (b)	110	NESHAP for Area Source Gasoline Bulk Terminals - Testing and Monitoring Provisions
FACILITY	40CFR 63- BBBBBB.11092 (b)	111	NESHAP for Area Source Gasoline Bulk Terminals - Testing and Monitoring Provisions
FACILITY	40CFR 63- BBBBBB.11092 (b)	112	NESHAP for Area Source Gasoline Bulk Terminals - Testing and Monitoring Provisions
FACILITY	40CFR 63- BBBBBB.11094 (b)	113	NESHAP for Area Source Gasoline Bulk Terminals - Recordkeeping
FACILITY	40CFR 63- BBBBBB.11094 (c)	114	NESHAP for Area Source Gasoline Bulk Terminals - Recordkeeping
FACILITY	40CFR 63- BBBBBB.11094 (d)	115	NESHAP for Area Source Bulk Gasoline Terminals - Recordkeeping
FACILITY	40CFR 63- BBBBBB.11094 (e)	116	NESHAP for Area Source Gasoline Bulk Terminals - Recordkeeping
FACILITY	40CFR 63- BBBBBB.11094 (f)	117	NESHAP for Area Source Gasoline Bulk Terminals - Recordkeeping
FACILITY	40CFR 63- BBBBBB.11095 (a)	118	NESHAP for Area Source Gasoline Bulk Terminals - Reporting
FACILITY	40CFR 63- BBBBBB.11095 (b)	119	NESHAP for Area Source Gasoline Bulk Terminals - Reporting

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FACILITY	40CFR 63-BBBBBB.11098	120	NESHAP for Area Source Gasoline Bulk Terminals - General Provisions
FACILITY	40CFR 63-Y	99	NESHAP - Marine Tank Vessel Loading Operations
FACILITY	40CFR 64	121, 122, 123, 124, 125, 126, 127, 128, 129, 130	COMPLIANCE ASSURANCE MONITORING
FACILITY	40CFR 68	18	Chemical accident prevention provisions
FACILITY	40CFR 82-F	19	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.6	1	Acceptable ambient air quality.
FACILITY	6NYCRR 200.7	10	Maintenance of equipment.
FACILITY	6NYCRR 201-1.4	134	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	11	Recycling and Salvage
FACILITY	6NYCRR 201-1.8	12	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.2 (a)	13	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3 (a)	14	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6	20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 131, 132	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.4 (a) (4)	15	General Conditions - Requirement to Provide Information
FACILITY	6NYCRR 201-6.4 (a) (7)	2	General Conditions - Fees
FACILITY	6NYCRR 201-6.4 (a) (8)	16	General Conditions - Right to Inspect
FACILITY	6NYCRR 201-6.4 (c)	3	Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.4 (c) (2)	4	Records of Monitoring, Sampling and Measurement
FACILITY	6NYCRR 201-6.4 (c) (3) (ii)	5	Reporting Requirements - Deviations and Noncompliance
FACILITY	6NYCRR 201-6.4 (d) (4)	34	Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4 (e)	6	Compliance Certification
FACILITY	6NYCRR 201-6.4 (f)	35	Operational Flexibility
FACILITY	6NYCRR 201-7	36	Federally Enforceable Emissions Caps
FACILITY	6NYCRR 202-1.1	17, 45, 46, 47, 48	Required emissions tests.
FACILITY	6NYCRR 202-1.2	49	Notification.

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FACILITY	6NYCRR 202-1.3 (a)	50	Acceptable procedures - reference methods
FACILITY	6NYCRR 202-2.1	7	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.4 (a) (3)	51	Emission statement methods and procedures
FACILITY	6NYCRR 202-2.5	8	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.1	135	General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 211.2	52	General Prohibitions - visible emissions limited.
FACILITY	6NYCRR 212	54, 55, 56, 57	Process Operations
FACILITY	6NYCRR 212- 3.1 (c) (4) (i)	53	RACT compliance plan control limits for Capture and Control
FACILITY	6NYCRR 215.2	9	Open Fires - Prohibitions
FACILITY	6NYCRR 225-1.6 (d)	58	Records for Distributors
FACILITY	6NYCRR 225-1.6 (e)	59	Semi-Annual Reports
FACILITY	6NYCRR 225-3.3 (a)	60	RVP Limitation - May 1st through September 15th
FACILITY	6NYCRR 229.1 (d) (2) (i)	61	New requirements outside NYCMA/LOCMA petroleum fixed roof tanks
FACILITY	6NYCRR 229.1 (d) (2) (iv)	62	New requirements outside NYCMA/LOCMA gasoline terminals
FACILITY	6NYCRR 229.1 (d) (2) (ix)	63	New requirements outside NYCMA/LOCMA
FACILITY	6NYCRR 229.1 (d) (2) (v)	64	Marine vessel loading New requirements outside NYCMA/LOCMA
FACILITY	6NYCRR 229.3 (a)	65	VOL fixed roof tanks Petroleum fixed roof tank control requirements
FACILITY	6NYCRR 229.3 (d)	66	Gasoline loading terminals
FACILITY	6NYCRR 229.3 (e) (1)	67	Volatile organic liquid storage tanks
FACILITY	6NYCRR 257-5	136, 137	Air Quality Standards - Hydrogen Sulfide

Applicability Discussion:

Mandatory Requirements: The following facility-wide regulations are included in all Title V permits:

ECL 19-0301

This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

6 NYCRR 200.6

Acceptable ambient air quality - prohibits contravention of ambient air quality standards without mitigating measures

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6 NYCRR 200.7

Anyone owning or operating an air contamination source which is equipped with an emission control device must operate the control consistent with ordinary and necessary practices, standards and procedures, as per manufacturer's specifications and keep it in a satisfactory state of maintenance and repair so that it operates effectively

6 NYCRR 201-1.4

This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable state enforceable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR 201-3.3 (a)

The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR Subpart 201-6

This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units, processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.

6 NYCRR 201-6.4 (a) (4)

This mandatory requirement applies to all Title V facilities. It requires the permittee to provide information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

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6 NYCRR 201-6.4 (a) (7)

This is a mandatory condition that requires the owner or operator of a facility subject to Title V requirements to pay all applicable fees associated with the emissions from their facility.

6 NYCRR 201-6.4 (a) (8)

This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.

6 NYCRR 201-6.4 (c)

This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.4 (c) (2)

This requirement specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

6 NYCRR 201-6.4 (c) (3) (ii)

This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.4 (d) (4)

This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted semiannually.

6 NYCRR 201-6.4 (e)

Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6 NYCRR 202-1.1

This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to be borne by the owner/operator of the source.

6 NYCRR 202-2.5

This rule specifies that each facility required to submit an emission statement must retain a copy of the statement and supporting documentation for at least 5 years and must make the information available to department representatives.

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6 NYCRR 211.2

This regulation limits opacity from sources to less than or equal to 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

40 CFR Part 68

This Part lists the regulated substances and their applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.

40 CFR Part 82, Subpart F

Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of appliances in accordance with section 608 of the Clean Air Act Amendments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of appliances, including motor vehicle air conditioners, refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment. Those individuals, operations, or activities affected by this rule, may be required to comply with specified disposal, recycling, or recovery practices, leak repair practices, recordkeeping and/or technician certification requirements.

Facility Specific Requirements

In addition to Title V, GLOBAL COMPANIES LLC - ALBANY TERMINAL has been determined to be subject to the following regulations:

40 CFR 60.11

This regulation specifies the type of opacity monitoring requirements in relation to compliance with the standards and maintenance requirements.

40 CFR 60.11 (d)

This regulation specifies the type of opacity monitoring requirements in relation to compliance with the standards and maintenance requirements.

40 CFR 60.112b (a)

This citation states requirements for storage vessels depending on size and liquid stored.

40 CFR 60.113b (a)

This requirement sets forth the testing and inspection procedures for determining compliance with VOC standards for storage vessels with a capacity greater than 40 cubic meters, storing volatile organic liquids for which construction, reconstruction or modification commenced after 7/23/84.

40 CFR 60.115b (a)

This regulation describes the reporting and recordkeeping requirements for fixed roof storage vessels

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equipped with an internal floating roof having a capacity greater than 40 cubic meters, storing volatile organic liquids for which construction, reconstruction, or modification commenced after 7/23/84.

40 CFR 60.116b

This regulation sets forth the parameters and test methods to be used to monitor the operations of Subpart Kb applicable storage vessels.

40 CFR 60.12

This regulation prohibits an owner or operator from concealing emissions in violation of applicable standards by any means.

40 CFR 60.13

This regulation specifies how monitoring shall be performed and which methods and appendices are used to determine if the monitoring is adequate and in compliance with the regulated standards.

40 CFR 60.14

This regulation defines the term modification and what is and is not considered to be a modification, for the purpose of rule applicability.

40 CFR 60.15

This regulation defines the term reconstruction and what is and is not considered to be a reconstruction project, for the purpose of rule applicability.

40 CFR 60.4

This condition lists the USEPA Region 2 address for the submittal of all communications to the "Administrator". In addition, all such communications must be copied to NYSDEC Bureau of Quality Assurance (BQA).

40 CFR 60.502 (b)

This requirement restricts the emissions of volatile organic compounds (VOC's) from any vapor collection system due to the loading of liquid product into gasoline tank trucks to 35 milligrams of total organic compounds per liter of gasoline loaded or less, except for each affected facility equipped with an existing vapor processing system, as noted in 40 CFR 60. 502(c)

40 CFR 60.502 (e)

This regulation specifies the procedures for loading liquid product into vapor-tight gasoline trucks.

40 CFR 60.502 (f)

This regulation requires that loadings of gasoline tank trucks are to be made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.

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40 CFR 60.502 (g)

This regulation requires that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck at the affected facility. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the affected loading tracks.

40 CFR 60.502 (i)

This regulation prohibits the opening of any pressure-vacuum vent in the bulk gasoline terminal's vapor collection system at a system pressure less than 4,500 pascals (450 mm of water).

40 CFR 60.7 (a)

This regulation requires any owner or operator subject to a New Source Performance Standard (NSPS) to furnish the Administrator with notification of the dates of: construction or reconstruction, initial startup, any physical or operational changes, commencement of performance testing for continuous monitors and anticipated date for opacity observations as required.

40 CFR 60.7 (b)

This regulation requires the owner or operator to maintain records of the occurrence and duration of any startup, shutdown, or malfunction of the source or control equipment or continuous monitoring system.

40 CFR 60.7 (c)

This requirement details the information to be submitted in excess emissions and monitoring systems performance reports which must be submitted at least semi-annually for sources with compliance monitoring systems.

40 CFR 60.7 (d)

This condition specifies the required information and format for a summary report form and details when either a summary form and/or excess emissions reports are required.

40 CFR 60.7 (e)

This condition specifies how sources that remain in continuous compliance, and are subject to monthly or quarterly reporting, can reduce reporting frequency to semiannually.

40 CFR 60.7 (f)

This condition specifies requirements for maintenance of files of all measurements, including continuous monitoring system (CMS), monitoring device, and performance testing measurements; all CMS performance evaluations; all CMS or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices for at least two years.

40 CFR 60.7 (g)

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This condition allows source owners to use reporting required for state or local agencies to satisfy the paragraph (a) reporting requirements of this section of this rule.

40 CFR 60.8 (a)

This regulation contains the requirements for the completion date and reporting of Performance Testing (stack testing), at the facility. Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, the owner or operator of the facility must conduct performance test(s) and furnish a written report of the test results.

40 CFR 60.8 (b)

This regulation contains the requirements for Performance test methods and procedures, to be used by the owner or operator, of the affected facility.

40 CFR 60.8 (c)

This condition contains the requirements for operating conditions, of the emission source, during performance testing.

40 CFR 60.8 (d)

This regulation contains the requirements for advance notification of Performance (stack) testing.

40 CFR 60.8 (e)

This regulation requires the facility to provide appropriate sampling ports, safe platforms and utilities as necessary for Performance (stack) testing.

40 CFR 60.8 (f)

This regulation requires that Performance (stack) tests consist of three runs unless otherwise specified. The rule also designates the allowable averaging methods for the analysis of the results.

40 CFR 60.9

This rule citation allows the public access to any information submitted to the EPA Administrator (or state contact), in conjunction with a project subject to this section of the regulation.

40 CFR 63.11081 (a)

This regulation defines the facilities subject to 40 CFR 63 Subpart BBBBBB. they are:

- 1) A bulk gasoline terminal that is not subject to the control requirements of 40CFR63, Subpart R or 40CFR63, Subpart CC.
- 2) A pipeline breakout station that is not subject to the control requirements of 40CFR63, subpart R.
- 3) A pipeline pumping station.

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4) A bulk gasoline plant.

40 CFR 63.11083 (b)

This regulation states that an affected source must comply with the standards of this subpart no later than January 10, 2011.

40 CFR 63.11087 (a)

This condition describes the requirements for gasoline storage tanks at bulk gasoline terminals, pipeline breakout stations and pipeline pumping stations.

40 CFR 63.11088

This regulation sets forth the requirements for gasoline loading racks located at gasoline loading terminals, including requirements to equip your loading rack(s) with a vapor collection system designed to collect the TOC vapors displaced from cargo tanks during product loading, and reduce emissions of TOC to less than or equal to 80 mg/l of gasoline loaded into gasoline cargo tanks at the loading rack, and design and operate the vapor collection system to prevent any TOC vapors collected at one loading rack or lane from passing through another loading rack or lane to the atmosphere.

40 CFR 63.11089

This regulation requires owners of gasoline tank terminals to perform a monthly leak inspection of all equipment in gasoline service.

40 CFR 63.11092 (a)

This regulation requires the owners of gasoline tank storage facilities to conduct a performance test on the vapor processing and collection systems at the facility.

40 CFR 63.11092 (a) (2)

This regulation states that if the facility is operating a gasoline loading rack in compliance with 6 NYCRR Part 229.3(d)(1) which requires the loading rack to meet an emission limit of 80mg/L of gasoline loaded, then the facility may submit a statement by a responsible official of the facility certifying the compliance status of the loading rack in lieu of the test required in §63.11092(a)(1).

40 CFR 63.11092 (b) (1) (i) (A)

This citation states the continuous emissions monitoring requirements.

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40 CFR 63.11092 (b) (1) (i) ('B')

This condition states the monitoring requirements for facilities that do not use a CEM at an affected facility

40 CFR 63.11092 (b) (1) (i) ('B') ('2')

This citation states the requirements for a monitoring and inspection plan for carbon adsorption systems.

40 CFR 63.11092 (b) (1) (iii) ('A')

This citation states the requirement to monitor firebox temperature for thermal oxidation systems other than flares at gasoline bulk terminals.

40 CFR 63.11092 (b) (1) (iii) ('B')

This citation states the requirements for the use of a pilot flame detection system at gasoline bulk terminals.

40 CFR 63.11094 (b)

This regulation requires that the following test information be kept by the facility:

- Name of Test: Annual Certification Test - Method 27 or Periodic Railcar Bubble Leak Test Procedure.
- Cargo tank owner's name and address
- Cargo tank identification number
- Test location and date
- Tester name and signature
- Witnessing inspector, if any: name, signature, affiliation
- Vapor tightness repair: Nature of repair work and when performed in relation to vapor tightness testing
- Test results: Test pressure, pressure or vacuum change, mm of water; time period of test; number of leaks found with instrument; and leak definition.

40 CFR 63.11094 (c)

This regulation allows, as an alternative to keeping records at the terminal of each gasoline cargo tank test result as required in §63.11094(b), the facility may keep an electronic copy of each record which would be instantly available at the terminal. The copy of each record above must be an exact duplicate image of the original paper record with certifying signatures.

40 CFR 63.11094 (d)

This regulation states if the facility is subject to the equipment leak provisions of §63.11089, then the facility shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service.

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40 CFR 63.11094 (e)

This regulation states if the facility is subject to the requirements for equipment leak inspections in §63.11089, then the facility shall record in the log book for each leak that is detected, the information below:

- 1) The equipment type and identification number.
- 2) The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell).
- 3) The date the leak was detected and the date of each attempt to repair the leak.
- 4) Repair methods applied in each attempt to repair the leak.
- 5) "Repair delayed" and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak.
- 6) The expected date of successful repair of the leak if the leak is not repaired within 15 days.
- 7) The date of successful repair of the leak.

40 CFR 63.11094 (f)

This regulation requires the facility shall keep the following records: Keep an up-to-date, readily accessible record of the continuous monitoring data required under §63.11092(b) or §63.11092(e), record and report simultaneously with the Notification of Compliance Status required under §63.11093(b), keep an up-to-date, readily accessible copy of the monitoring and inspection plan required under §63.11092(b)(1)(i)(B)(2) or §63.11092(b)(1)(iii)(B)(2), keep an up-to-date, readily accessible copy of all system malfunctions, as specified in §63.11092(b)(1)(i)(B)(2)(v) or §63.11092(b)(1)(iii)(B)(2)(v).

40 CFR 63.11095 (a)

This regulation requires the owner or operator of a gasoline storage facility to, in their semi-annual report, describe the control equipment in use at the facility, the results of inspections conducted during the reporting period, and any repairs made as a result of the inspections.

40 CFR 63.11095 (b)

This regulation requires a facility that is subject to the control requirements in Subpart BBBBBB, to submit an excess emissions report to NYSDEC at the time the semiannual compliance report is submitted.

40 CFR 63.11098

Table 3 of subpart BBBBBB lists which parts of the general provisions in subpart A apply to the facility.

40 CFR Part 63, Subpart Y

Subpart Y applies to marine tank vessel loading operations at major sources of HAP. Sources subject to Subpart Y must comply with work practice standards and operating

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limits.

40 CFR Part 64

The federal Compliance Assurance Monitoring (CAM) rule, 40 CFR Part 64, requires monitoring of control device, capture system, and/or process parameters to provide a reasonable assurance of compliance with emission limitations or standards. It applies to emission units that use a control device to comply with certain standards and limitations and that have potential pre-control device emissions equal to or greater than a major source threshold.

Acid Rain program requirements; stratospheric ozone protection requirements; post-1990 New Source Performance Standards, Emission Guidelines, and National Emission Standards for Hazardous Air Pollutants; and some other limitations are exempt from CAM. However, many of the exempt requirements are subject to less stringent periodic monitoring under 40 CFR Part 70 and 6NYCRR Subpart 201-6.

6 NYCRR 201-6.4 (f)

This section describes the potential for certain operational changes to be made by the facility owner or operator without first obtaining a permit modification. Changes made pursuant to this provision must meet all of the criteria described in this section to qualify for consideration as operational flexibility. The Department reserves the right to require the facility owner or operator to obtain a permit modification prior to making any changes at the facility pursuant to this section.

6 NYCRR 202-1.2

This regulation specifies that the department is to be notified at least 30 days in advance of any required stack test. The notification is to include a list of the procedures to be used that are acceptable to the department. Finally, free access to observe the stack test is to be provided to the department's representative.

6 NYCRR 202-1.3 (a)

This regulation requires that any emission testing, sampling and analytical determination used to determine compliance must use methods acceptable to the department. Acceptable test methods may include but are not limited to the reference methods found in 40 CFR Part 60 appendix A and Part 61, appendix B. In addition, unless otherwise specified, all emission test reports must be submitted within 60 days after completion of testing.

6 NYCRR 202-2.4 (a) (3)

Once a facility is required to submit annual emission statements electronically, emission statements must be submitted to the department per the specified schedule, in this regulation beginning the reporting year that a Title V permit containing a condition mandating electronic submittal is issued.

6 NYCRR 211.1

This regulation requires that no person shall cause or allow emissions of air contaminants to the outdoor

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atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property.

6 NYCRR 212-3.1 (c) (4) (i)

This provision states that owners and/or operators of emission points subject to Part 212-3 operating prior to October 20, 1994 must submit a compliance plan to the department. The compliance plan must demonstrate that the VOC emission points are equipped with a capture system and a control device with an overall removal efficiency of at least 81 percent.

6 NYCRR 225-1.6 (d)

Limits sulfur in oil.

6 NYCRR 225-1.6 (e)

limits sulfur in oil.

6 NYCRR 225-3.3 (a)

This citation states the Reid vapor pressure limit for gasoline from May 1st through September 15th.

6 NYCRR 229.1 (d) (2) (i)

This requires the owners or operators of specific types of sources located at facilities in areas other than the New York City metropolitan area or the Lower Orange County metropolitan area, which were designated as nonattainment areas for ozone on or after August 23, 1979, to comply with this Part according to a specific date or compliance schedule (subdivision(g)) and specified control requirements of section 229.3 of this Part.

6 NYCRR 229.1 (d) (2) (iv)

This requires the owners or operators of specific types of sources located at facilities in areas other than the New York City metropolitan area or the Lower Orange County metropolitan area, which were designated as nonattainment areas for ozone on or after August 23, 1979, to comply with this Part according to a specific date or compliance schedule (subdivision(g)) and specified control requirements of section 229.3 of this Part.

6 NYCRR 229.1 (d) (2) (ix)

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This requires the owners or operators of specific types of sources located at facilities in areas other than the New York City metropolitan area or the Lower Orange County metropolitan area, which were designated as nonattainment areas for ozone on or after August 23, 1979, to comply with this Part according to a specific date or compliance schedule (subdivision(g)) and specified control requirements of section 229.3 of this Part.

6 NYCRR 229.1 (d) (2) (v)

This requires the owners or operators of specific types of sources located at facilities in areas other than the New York City metropolitan area or the Lower Orange County metropolitan area, which were designated as nonattainment areas for ozone on or after August 23, 1979, to comply with this Part according to a specific date or compliance schedule (subdivision(g)) and specified control requirements of section 229.3 of this Part.

6 NYCRR 229.3 (a)

This subdivision contains the control requirements for petroleum fixed roof tanks.

6 NYCRR 229.3 (d)

This rule contains the emission limits and operating requirements for gasoline loading terminals (i.e. those facilities with an average daily throughput of gasoline greater than 20,000 gallons).

6 NYCRR 229.3 (e) (1)

This regulation requires fixed roof storage tanks subject to Part 229 to be equipped with an internal floating roof with a liquid-mounted primary seal and gasketed fittings, or equivalent control. Furthermore, replacement of other than liquid mounted seals is to be performed only when the tank is cleaned and gas-freed for other purposes.

6 NYCRR Part 212

Part 212 applies to process emission sources and/or emission points associated with a process operation, unless excepted from the provision of this Part pursuant to Section 212-1.4 of this Subpart.

6 NYCRR Subpart 201-7

This regulation sets forth an emission cap that cannot be exceeded by the facility. In this permit that cap is VOC and HAP emissions.

6 NYCRR Subpart 257-5

Hydrogen sulfide (H₂S) is a colorless gas having a characteristic, disagreeable odor often described as that of rotten eggs. For the purpose of this Subpart the term hydrogen sulfide will include hydrogen sulfide and other sulfides as measured by the acceptable analytical method.

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Compliance Certification

Summary of monitoring activities at GLOBAL COMPANIES LLC - ALBANY TERMINAL:

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring

FACILITY	71	record keeping/maintenance procedures
FACILITY	90	work practice involving specific operations
FACILITY	91	record keeping/maintenance procedures
FACILITY	92	record keeping/maintenance procedures
FACILITY	93	record keeping/maintenance procedures
FACILITY	94	intermittent emission testing
FACILITY	95	record keeping/maintenance procedures
FACILITY	98	monitoring of process or control device parameters as surrogate
FACILITY	103	record keeping/maintenance procedures
FACILITY	104	record keeping/maintenance procedures
FACILITY	105	intermittent emission testing
FACILITY	107	monitoring of process or control device parameters as surrogate
FACILITY	108	monitoring of process or control device parameters as surrogate
FACILITY	109	record keeping/maintenance procedures
FACILITY	110	record keeping/maintenance procedures
FACILITY	111	monitoring of process or control device parameters as surrogate
FACILITY	112	record keeping/maintenance procedures
FACILITY	113	record keeping/maintenance procedures
FACILITY	114	record keeping/maintenance procedures
FACILITY	115	record keeping/maintenance procedures
FACILITY	116	record keeping/maintenance procedures
FACILITY	117	record keeping/maintenance procedures
FACILITY	118	record keeping/maintenance procedures
FACILITY	119	record keeping/maintenance procedures
FACILITY	99	record keeping/maintenance procedures
FACILITY	121	monitoring of process or control device parameters as surrogate
FACILITY	122	record keeping/maintenance procedures
FACILITY	123	monitoring of process or control device parameters as surrogate
FACILITY	124	monitoring of process or control device parameters as surrogate
FACILITY	125	monitoring of process or control device parameters as surrogate
FACILITY	126	monitoring of process or control device parameters as surrogate
FACILITY	127	monitoring of process or control device parameters as surrogate
FACILITY	128	monitoring of process or control device parameters as surrogate
FACILITY	129	monitoring of process or control device parameters as surrogate
FACILITY	130	monitoring of process or control device parameters as surrogate
FACILITY	21	monitoring of process or control device parameters as surrogate
FACILITY	22	work practice involving specific operations

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FACILITY	23	monitoring of process or control device parameters as surrogate
FACILITY	24	monitoring of process or control device parameters as surrogate
FACILITY	25	monitoring of process or control device parameters as surrogate
FACILITY	26	work practice involving specific operations
FACILITY	27	monitoring of process or control device parameters as surrogate
FACILITY	28	work practice involving specific operations
FACILITY	29	monitoring of process or control device parameters as surrogate
FACILITY	30	monitoring of process or control device parameters as surrogate
FACILITY	31	work practice involving specific operations
FACILITY	32	monitoring of process or control device parameters as surrogate
FACILITY	33	monitoring of process or control device parameters as surrogate
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	37	work practice involving specific operations
FACILITY	38	work practice involving specific operations
FACILITY	39	work practice involving specific operations
FACILITY	40	work practice involving specific operations
FACILITY	41	work practice involving specific operations
FACILITY	42	work practice involving specific operations
FACILITY	43	work practice involving specific operations
FACILITY	44	work practice involving specific operations
FACILITY	45	intermittent emission testing
FACILITY	46	intermittent emission testing
FACILITY	47	intermittent emission testing
FACILITY	48	intermittent emission testing
FACILITY	7	record keeping/maintenance procedures
FACILITY	54	record keeping/maintenance procedures
FACILITY	55	record keeping/maintenance procedures
FACILITY	56	record keeping/maintenance procedures
FACILITY	57	record keeping/maintenance procedures
FACILITY	58	record keeping/maintenance procedures
FACILITY	59	record keeping/maintenance procedures
FACILITY	60	work practice involving specific operations
FACILITY	62	monitoring of process or control device parameters as surrogate
FACILITY	65	record keeping/maintenance procedures
FACILITY	66	monitoring of process or control device parameters as surrogate
FACILITY	136	record keeping/maintenance procedures
FACILITY	137	record keeping/maintenance procedures

Basis for Monitoring

The Emission standards have been established in this permit with regards to 40 CFR 63, Subpart BBBBBB and 40 CFR 60, Subpart XX which are 80 mg of emission per liter of product loaded and 35 mg of emission per liter of product loaded, respectively. These emission standards apply to gasoline loading operations at the terminal.

Although stricter emission limits taken by the facility have been established at lower level to maintain Potential to Emit (PTE) limits at each of the emission sources stated below:

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Emission Source: VRUTK - Truck loading: 2 milligrams of emission per liter of product loaded.

Emission Source: VRUT2 - Truck loading: 2 milligrams of emission per liter of product loaded.

Emission Source: VCURR - Rail loading: 2 milligrams of emission per liter of product loaded.

Emission Source: VCUM1 - Marine loading: 10 milligrams of emission per liter per liter of product loaded.

Emission Source: VCUM2 - Marine loading: 2 milligrams of emission per liter of product loaded.

6 NYCRR 201-6.4(c)(3)(ii)

Semi annual reports are due within 30 days after the reporting period to report deviations and incidences of noncompliance the basis for this is required for all facilities that have an ATV Permit pursuant to the Clean Air Act and regulations at 40 CFR 70 the state operating permit program.

6 NYCRR 201-6.4(e)

Annual compliance certifications are due within 30 days of annual certification date the basis for this is that these reports are due for all facilities that have an ATV Permit pursuant to the Clean Air Act and regulations at 40 CFR 70 the state operating permit program.

6 NYCRR 202-2.1

Emission statements for the facility are due each year on or before April 15th of each year for prior year these reports are due for all facilities that have an ATV Permit pursuant to the Clean Air Act and regulations at 40 CFR 70 the state operating permit program.

6 NYCRR 201-6

The limits that are associated with the Volatile Organic Compounds (VOC) or Total Organic Compounds (TOC), and Total Hazardous Air Pollutants (HAP's) at the facility shall be monitored to ensure that there are not any thresholds exceeded during a calendar year. The basis for these thresholds as articulated in renewal application paperwork provided to the Department. In some cases when possible stack testing shall be conducted to determine that the control equipment is achieving the limit required.

6 NYCRR 201-7

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The throughput gallons of products are capping requirements which involve calculations provided in renewal application paperwork to ensure that there are no exceedances associated with VOC, TOC, single HAP's, and Total HAP's.

6 NYCRR 225-1.8

Sulfur content of fuel sold shall be monitored to ensure that no oil is sold in New York State above given thresholds in accordance with applicable laws.

6 NYCRR 225-3.3(a)

The Reid Vapor Pressure RVP of gasoline shall be maintained below specific thresholds to ensure that during the ozone season Volatile Organic Compounds are kept to a minimum, applicable federal and state laws are the basis for these requirements.

6 NYCRR 229.1(d)(2)(iv)

The gasoline vapor and control systems shall achieve a minimum 0.67 pounds of emission per 1000 gallons loaded to trucks. This is a given emission standard for this type of process. Stack testing shall be conducted to ensure that the standards are met.

40 CFR 60.7(a), Subpart A

Emission exceedances shall be reported in accordance with rules cited in this permit.

40 CFR 60.113b(a), Subpart Kb

For a gasoline storage vessel, the facility operator shall perform maintenance procedures to ensure minimal VOC emissions from those tanks, in accordance with applicable regulations and notification shall be given when refilling the tank.

40 CFR 60.115b(a), Subpart Kb

For a gasoline storage vessel, the facility shall submit a semiannual report to administrator regarding the regulatory requirements.

40 CFR 60.502(b), Subpart XX

This is the emission standard for the truck loading and vapor processing system of 35 mg of TOC / liter loaded. To ensure that this is not exceeded a stack test will be conducted.

40 CFR 60.502(e), Subpart XX

Monitoring of truck cargo tanks is necessary to ensure that minimal vapors are escaping to the atmosphere from cargo tanks, all pressure tests will be kept with truck and at terminal for proper assurances.

40 CFR 63, Subpart BBBBBB

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Monitoring involved with this regulation has to do with gasoline vapors at rack at 80 mg of TOC/liter loaded of product, pressure testing of truck cargo tanks, equipment leaks, and testing of equipment to ensure that thresholds are being met.

40 CFR 64

As applicable, the facility will follow regulations at 40 CFR 63, Subpart BBBBBB and 40 CFR 60, Subpart XX regarding vapor control equipment, in the event that those systems are not functional the facility will resort to a monitoring plan in compliance with 40 CFR 64, CAM.