

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4730-00023/00030



02/07/2007

Facility Identification Data

Name: RIVERHEAD TERMINAL-CONOCOPHILLIPS
Address: 212 SOUND SHORE RD
RIVERHEAD, NY 11901

Owner/Firm

Name: CONOCOPHILLIPS COMPANY
Address: 1400 PARK AVE
LINDEN, NJ 07036, USA
Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:
Name: MARILYN E PETERSON
Address: NYSDEC - SUNY @ STONY BROOK
50 CIRCLE RD
STONY BROOK, NY 11790-3409

Division of Air Resources:
Name: FLAVIO DOBRAN
Address: NYSDEC
BUILDING 40 SUNY
STONY BROOK, NY 11790

Air Permitting Contact:
Name: DANIEL M GIANFALLA
Address: 212 SOUND SHORE RD
RIVERHEAD, NY 11901
Phone:6312842080

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

The RIVERHEAD TERMINAL-TOSCO CORPORATION facility in Riverhead stores and distributes to a variety of customers crude oils, gasoline and gasoline blendstocks, diesel fuel, and distillate and residual

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fuel oils. No fuel oil is used or sold locally with sulfur content greater than 1.5 weight percent. These products are stored in 20 storage tanks that pertain to the Emission Unit 1. Tanks 12,14-19, 21 have internal floating roofs. Tanks 1-5 and 9-13 have capacities below 300,000 barrels and are exempted from regulations since they store distillate and residual fuel oil. Tanks 6-8 have capacities greater than 300,000 barrels, store No. 6 fuel oil or non-petroleum liquid, and are subject to 6 NYCRR Part 212 (General Process Emission Sources) regulations. Tanks 14-19 and 21 have capacities between 250,000 and 580,000 barrels, are subject to 40 CFR Subparts K,Kb (Standards of Performance for Volatile Organic Liquid, Including Petroleum Liquid, Storage Vessels) and 6 NYCRR Part 229 (Petroleum and Volatile Organic Liquid Storage and Transfer) regulations. The facility operates three steam boilers and each has a capacity of 29 million Btu/hr. The annual fuel oil consumption in boilers is limited to 2,400,000 gallons and each boiler is subject to an annual tune-up and opacity limitation. The boilers pertain to the Emission Unit 2. Seven diesel engines pertaining to the Emission Unit 3 are rated between 335 and 425 hp and are employed for pumping petroleum and non-petroleum liquids between the onshore storage tanks and offshore marine loading and unloading platform and barge pier. This platform and the marine pier pertain to the Emission Unit 5. The Department granted variances for VOC emissions from marine loading/unloading platform and NOX emissions from Beach 1,2 and Section A diesel engine pump drives. These variances restrict marine loading of vessels to less than 5,000,000 barrels of petroleum per year and diesel engine emissions below 10 grams per brake horsepower-hour. No petroleum liquids with vapor pressures greater than 1.5 psia can be loaded or unloaded at the barge pier. Eight truck bays are used for loading low vapor pressure (less than 0.2 psia) petroleum products and pertain to the Emission Unit 4. These are subject to 6 NYCRR Part 212 (General Process Emission Sources) regulations. The fleet of facility vehicles are supplied with gasoline and diesel fuel from two 500-gallon storage tanks and pertain to the Emission Unit 6.

Attainment Status

RIVERHEAD TERMINAL-CONOCOPHILLIPS is located in the town of RIVERHEAD in the county of SUFFOLK.

The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

Criteria Pollutant	Attainment Status
Particulate Matter (PM)	ATTAINMENT
Particulate Matter < 10µ in diameter (PM10)	ATTAINMENT
Sulfur Dioxide (SO2)	ATTAINMENT
Ozone*	SEVERE NON-ATTAINMENT
Oxides of Nitrogen (NOx)**	ATTAINMENT

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Carbon Monoxide (CO)

ATTAINMENT

* Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NO_x) which are ozone precursors.

** NO_x has a separate ambient air quality standard in addition to being an ozone precursor

Facility Description

The Riverhead Terminal consists of bulk above the ground petroleum products storage tanks, truck loading bays, steam boilers, diesel engine pump drivers, and gasoline dispensing terminals for powering fleet vehicles. The facility receives and distributes a wide variety of petroleum liquids with Reid vapor pressure below 13.5 pounds per square inch. The petroleum products are received from marine vessels and delivered by barges or tank trucks.

Permit Structure and Description of Operations

The Title V permit for RIVERHEAD TERMINAL-CONOCOPHILLIPS 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
- control - emission control devices
- process - any device or contrivance which may emit air contaminants that is not included in the above categories.

RIVERHEAD TERMINAL-CONOCOPHILLIPS is defined by the following emission unit(s):
Emission unit U00001 - Emission Unit U00001 consists of twenty (20) storage tanks. Each tank may store a variety of petroleum liquids, including, but not limited to, crude oils, gasoline and gasoline blendstocks, with a Reid vapor pressure (RVP) less than or equal to 13.5 psia. Tanks 14-19,21 were constructed after 1973, have capacities ranging from 250,000 to 580,000 barrels, and are subject to 40 CFR 60 Subparts K,Kb and 6 NYCRR Part 229 regulations. Tanks 1-5 and 9-13 have capacities below

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300,000 barrels and are exempted from regulations since they store distillate and residual fuel oil. Tanks 6-8 have capacities greater than 300,000 barrels, store No. 6 fuel oil, and are subject to 6 NYCRR Part 212 regulation. Tanks 12,14-19,21 have internal floating roofs.

It is further defined by the following process(es):

Process: STO This process includes 20 storage tanks pertaining to the Emission Unit U00001. The tanks store petroleum liquids, including crude oils, gasoline and gasoline blendstocks with an RVP less than 13.5 psia.

Emission unit U00002 - Emission Unit U00002 consists of three (3) identical 29 million Btu/hr boilers firing No. 6 fuel oil. The total annual oil consumption is limited to 2,400,000 gallons.

Emission unit U00002 is associated with the following emission points (EP):

0EP01, 0EP02, 0EP03

It is further defined by the following process(es):

Process: NO6 is located at Building BOILERROOM - This process represents the operation of three boilers firing No. 6 fuel oil. The combined annual oil consumption of the boilers is limited to 2,400,000 gallons.

Emission unit U00003 - Emission Unit U00003 consists of seven (7) diesel engine pump drivers with rated capacities between 335 and 425 hp. Number 1 & 2 Beach and Section A diesel engines (emission points 0EP04, 0EP05, 0EP06) are granted NOX emission variance from the Department.

Emission unit U00003 is associated with the following emission points (EP):

0EP04, 0EP05, 0EP06, 0EP07, 0EP08, 0EP09, 0EP10

It is further defined by the following process(es):

Process: 335 This process represents the operation of the Barge Pier diesel pump driver with a rated capacity of 335 hp and is included in the Emission Unit U00003. Each engine operates on diesel fuel for a maximum of 8760 hours per year.

Process: 340 This process represents the operation of three diesel pump drivers (#1 and #2 Beach and Section A) with rated capacities of 340 hp and are included in the Emission Unit U00003. Each engine operates on diesel fuel for a maximum of 8760 hours per year.

Process: 375 This process represents the operation of two diesel pump drivers (South West and South East) with rated capacities of 375 hp and are included in the Emission Unit U00003. Each engine operates on diesel fuel for a maximum of 8760 hours per year.

Process: 425 This process represents the operation of the #12 diesel pump driver with a rated capacity of 425 hp and is included in the Emission Unit U00003. Each engine operates on diesel fuel for a maximum of 8760 hours per year.

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Emission unit U00004 - Emission Unit U00004 consists of eight (8) truck loading bays transferring petroleum liquids, including, but not limited to, kerosene, diesel fuel and distillate and residual fuel oils with vapor pressures less than 0.2 psia. No gasoline is loaded into trucks at these bays.

It is further defined by the following process(es):

Process: RACEight racks top load non-petroleum products with vapor pressures less than 0.2 psia into tank trucks. Each arm has a maximum filling rate of 600 gpm.

Emission unit U00005 - Emission Unit U00005 includes marine loading and unloading of petroleum and non-petroleum fuel liquids and consists of an offshore platform and a barge pier. A variety of petroleum liquids, including, but not limited to, crude oils, gasoline and gasoline blendstocks, with a Reid vapor pressure less than 13.5 psia, are loaded and unloaded into marine vessels at the platform. Distillate and residual fuel oils with vapor pressures less than 0.2 psia are loaded at the barge pier. The Department allowed for a variance on VOC emissions from the marine loading/unloading platform.

It is further defined by the following process(es):

Process: DCKPetroleum liquids, including, but not limited to, crude oils, gasoline and gasoline blendstocks, with an RVP less than 13.5 psia are loaded and unloaded into marine vessels at an offshore platform.

Process: PIEDistillate and residual fuel oils with vapor pressures less than 0.2 psia are loaded into barges at a marine pier.

Emission unit U00006 - Emission Unit U00006 consists of fuel dispensing stations for powering diesel and gasoline fleet of vehicles operating on the site. The fuels are loaded from two 500-gallon tanks.

It is further defined by the following process(es):

Process: DSPGasoline and diesel fuels are dispensed to fleet vehicles of the facility

Title V/Major Source Status

RIVERHEAD TERMINAL-CONOCOPHILLIPS is subject to Title V requirements. This determination is based on the following information:

The facility is major because it emits volatile organic compounds in excess of 25 tons per year.

Program Applicability

The following chart summarizes the applicability of RIVERHEAD TERMINAL-CONOCOPHILLIPS with regards to the principal air pollution regulatory programs:

Regulatory Program	Applicability
PSD	NO

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

NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52) - 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 Part 231) - 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) - 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) - 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) - 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

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contaminant(s) listed in the regulation.

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

Title VI Stratospheric Ozone Protection (40 CFR 82, Subparts A thru G) - 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 212.10, 226, 227-2, 228, 229, 230, 232, 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) - 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.

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

5171

Description

PETROLEUM BULK STATIONS & TERMINALS

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

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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
1-02-004-01	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - RESIDUAL OIL Grade 6 Oil
2-03-001-01	INTERNAL COMBUSTION ENGINES - COMMERCIAL/INSTITUTIONAL COMMERCIAL/INSTITUTIONAL IC ENGINE - DISTILLATE OIL (DIESEL) Reciprocating
4-07-176-13	ORGANIC CHEMICAL STORAGE ORGANIC CHEMICAL STORAGE - FLOATING ROOF TANKS - ALKANES (PARAFFINS)
4-06-007-06	FLOAT ROOF TANKS PETROLEUM DISTILLATES: STANDING LOSS TRANSPORTATION AND MARKETING OF PETROLEUM PRODUCTS
4-06-001-63	CORPORATE FLEET REFUELING - STAGE I: BALANCED SUBMERGED FILLING TRANSPORTATION AND MARKETING OF PETROLEUM PRODUCTS TANK CARS AND TRUCKS
4-06-002-51	GASOLINE: RETURN W/ VAPOR (TRANSIT LOSSES) TRANSPORTATION AND MARKETING OF PETROLEUM PRODUCTS TRANSPORTATION AND MARKETING OF PETROLEUM PRODUCTS - MARINE VESSELS
4-06-002-34	Distillate Oil: Loading Barges TRANSPORTATION AND MARKETING OF PETROLEUM PRODUCTS TRANSPORTATION AND MARKETING OF PETROLEUM PRODUCTS - MARINE VESSELS Gasoline: Ship Loading - Ballasted Tank

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Series 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 federally enforceable permit conditions. The PTE Range represents an emission range for a contaminant. Any PTE quantity that is displayed represents a facility-wide emission cap or limitation for that contaminant. If no PTE quantity is displayed, the PTE Range is provided to indicate the approximate magnitude of facility-wide emissions for the specified contaminant in terms of tons per year (tpy). 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

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No. ONY100-00-0. 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 Name	PTE	
		lbs/yr	Range
000071-43-2	BENZENE (HAP)	> 0	but < 10 tpy
000098-82-8	BENZENE, (1-METHYLETHYL) (HAP)	> 0	but < 10 tpy
000630-08-0	CARBON MONOXIDE	>= 10	tpy but < 25 tpy
000100-41-4	ETHYLBENZENE (HAP)	> 0	but < 10 tpy
ONY100-00-0	HAP	>= 100	tpy but < 250 tpy
000110-54-3	HEXANE (HAP)	> 0	but < 10 tpy
007439-92-1	LEAD (HAP)	> 0	but < 10 tpy
001634-04-4	METHYL TERTBUTYL ETHER (HAP)	>= 10	tpy
000091-20-3	NAPHTHALENE (HAP)	> 0	but < 10 tpy
ONY210-00-0	OXIDES OF NITROGEN	>= 250	tpy
ONY075-00-0	PARTICULATES	>= 10	tpy but < 25 tpy
000540-84-1	PENTANE, 2,2,4-TRIMETHYL- (HAP)	> 0	but < 10 tpy
ONY075-00-5	PM-10	>= 10	tpy but < 25 tpy
007446-09-5	SULFUR DIOXIDE	>= 100	tpy but < 250 tpy
000108-88-3	TOLUENE (HAP)	>= 10	tpy
ONY998-00-0	VOC	>= 250	tpy
001330-20-7	XYLENE, M, O & P MIXT. (HAP)	> 0	but < 10 tpy

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: Sealing - 6NYCRR Part 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A,

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no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Item C: Maintenance of Equipment - 6NYCRR Part 200.7

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Item D: Unpermitted Emission Sources - 6NYCRR Part 201-1.2

If an existing emission source was subject to the permitting requirements of 6NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

- (a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.
- (b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Emergency Defense - 6NYCRR Part 201-1.5

An emergency constitutes an affirmative defense to an action brought 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 and/or operator can identify the cause(s) of the emergency;
 - (2) The equipment at the permitted facility causing the emergency was

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at the time being properly operated;

(3) During the period of the emergency the facility owner and/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 and/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 and/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 F: Recycling and Salvage - 6NYCRR Part 201-1.7

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6NYCRR Part 201-1.8

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Item H: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 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 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item I: Proof of Eligibility for Sources Defined as Exempt Activities - 6NYCRR Part 201-3.2(a)

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request.

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Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, 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.

Item J: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source 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 which contains emission sources or units subject to 6 NYCRR Subpart 201-3, 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.

Item K: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)

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 L: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(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 M: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(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 N: Permit Revocation, Modification, Reopening, Reissuance or

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**Termination, and Associated Information Submission Requirements - 6
NYCRR Part 201-6.5(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 O: Providing Information Upon Request - 6 NYCRR Part 201-6.5(a)(4)

The permittee shall furnish to the Department, within a reasonable time, any information that the Department 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. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

**Item P: Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR
Part 201-6.5(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 Q: Property Rights - 6 NYCRR Part 201-6.5(a)(6)

This permit does not convey any property rights of any sort or any exclusive privilege.

Item R: Fees - 6 NYCRR Part 201-6.5(a)(7)

The owner and/or operator of a stationary source shall pay fees to the department consistent with the fee schedule authorized by 6 NYCRR Subpart 482-2.

Item S: Right to Inspect - 6 NYCRR Part 201-6.5(a)(8)

Upon presentation of credentials and other documents, as may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

- i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records

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must be kept under the conditions of the permit;

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

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

iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Item T: Severability - 6 NYCRR Part 201-6.5(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 U: Progress Reports and Compliance Schedules - 6 NYCRR Part 201-6.5(d)(5)

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. Such progress reports shall contain the following:

i. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

ii. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Item V: Off Permit Changes - 6 NYCRR Part 201-6.5(f)(6)

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provisions of

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Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the Administrator and the Department with written notification in advance of the proposed changes within a minimum of 7 days as required by 6 NYCRR §201-6.5(f)(6).

Item W: Permit Shield - 6 NYCRR Part 201-6.5(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 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 X: Reopening for Cause - 6 NYCRR Part 201-6.5(i)

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

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- 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 Y: Required Emission Tests - 6 NYCRR Part 202-1.1

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6NYCRR Part 202-1.

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Item Z: Visible Emissions Limited - 6 NYCRR Part 211.3
Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Item AA: Open Fires - 6 NYCRR Part 215
No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities.

Item BB: 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 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 CC: 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: 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

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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	Short Description	Condition
FACILITY	40CFR 60-A.11	General provisions - compliance with standards and maintenance requirements	56
FACILITY	40CFR 60-A.12	General provisions - Circumvention	57
FACILITY	40CFR 60-A.14	General provisions - Modification	58
FACILITY	40CFR 60-A.15	General provisions - Reconstruction	59
FACILITY	40CFR 60-A.7 (a)	Notification and Recordkeeping	44
FACILITY	40CFR 60-A.7 (b)	Notification and Recordkeeping	45
FACILITY	40CFR 60-A.7 (c)	Notification and Recordkeeping	46
FACILITY	40CFR 60-A.7 (d)	Notification and Recordkeeping	47
FACILITY	40CFR 60-A.7 (f)	Notification and Recordkeeping	48
FACILITY	40CFR 60-A.8 (a)	Performance Tests	49
FACILITY	40CFR 60-A.8 (b)	Performance Tests	50
FACILITY	40CFR 60-A.8 (c)	Performance Tests	51
FACILITY	40CFR 60-A.8 (d)	Performance Tests	52
FACILITY	40CFR 60-A.8 (e)	Performance Tests	53
FACILITY	40CFR 60-A.8 (f)	Performance Tests	54
FACILITY	40CFR 60-A.9	General provisions - Availability of information	55
U-00001/-/STO/00T14	40CFR 60-K.112 (a)	Petroleum liquid storage tanks over 40,000 gallons capacity - standard for VOC	69
U-00001/-/STO/00T15	40CFR 60-K.112 (a)	Petroleum liquid storage tanks over 40,000 gallons	71

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U-00001/-/STO/00T16	40CFR 60-K.112 (a)	Petroleum liquid storage tanks over 40,000 gallons capacity - standard for VOC	73
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U-00001/-/STO/00T18	40CFR 60-K.112 (a)	Petroleum liquid storage tanks over 40,000 gallons capacity - standard for VOC	77
U-00001/-/STO/00T21	40CFR 60-K.112 (a)	Petroleum liquid storage tanks over 40,000 gallons capacity - standard for VOC	83
U-00001/-/STO/00T14	40CFR 60-K.113 (a)	Petroleum liquid storage tanks over 40,000 gallons capacity - monitoring of operations	70
U-00001/-/STO/00T15	40CFR 60-K.113 (a)	Petroleum liquid storage tanks over 40,000 gallons capacity - monitoring of operations	72
U-00001/-/STO/00T16	40CFR 60-K.113 (a)	Petroleum liquid storage tanks over 40,000 gallons capacity - monitoring of operations	74
U-00001/-/STO/00T17	40CFR 60-K.113 (a)	Petroleum liquid storage tanks over 40,000 gallons capacity - monitoring of operations	76
U-00001/-/STO/00T18	40CFR 60-K.113 (a)	Petroleum liquid storage tanks over 40,000 gallons capacity - monitoring of operations	78
U-00001/-/STO/00T21	40CFR 60-K.113 (a)	Petroleum liquid storage tanks over 40,000 gallons capacity - monitoring of operations	84
U-00001/-/STO/00T19	40CFR 60-Kb.112b(a)	NSPS for volatile organic liquid storage vessels- standard for volatile organic compounds (VOC)	79
U-00001/-/STO/00T19	40CFR 60-Kb.113b(a) (3)	NSPS for volatile organic liquid storage vessels- testing and procedures	80
U-00001/-/STO/00T19	40CFR 60-Kb.113b(a) (4)	NSPS for volatile organic liquid storage vessels- testing and procedures	81
U-00001/-/STO/00T19	40CFR 60-Kb.115b(a)	NSPS for volatile organic liquid storage vessels- reporting and recordkeeping requirements	82
FACILITY	40CFR 82-F	Protection of Stratospheric Ozone - recycling and emissions reduction	60
FACILITY	6NYCRR 200.5	Sealing.	1
FACILITY	6NYCRR 200.6	Acceptable ambient air	2

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FACILITY	6NYCRR 200.7	Maintenance of equipment.	3
FACILITY	6NYCRR 201-1.10(b)	Permitting - public access to records kept for Title V permitting	8
FACILITY	6NYCRR 201-1.2	Permitting - unpermitted emission sources	4
FACILITY	6NYCRR 201-1.4	Unavoidable noncompliance and violations	102
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FACILITY	6NYCRR 201-1.7	Recycling and Salvage	6
FACILITY	6NYCRR 201-1.8	Prohibition of reintroduction of collected contaminants to the air	7
FACILITY	6NYCRR 201-3.2(a)	Exempt Activities - Proof of eligibility	9
FACILITY	6NYCRR 201-3.3(a)	Trivial Activities - proof of eligibility	10
FACILITY	6NYCRR 201-5	State Facility Permit General Provisions	103, 104
FACILITY	6NYCRR 201-5.3(b)	Permit Content and Terms of Issuance - permit conditions	105
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U-00001/-/STO/00T06	6NYCRR 212.3(a)	General Process Emission Sources - emissions from existing emission sources	66
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FACILITY	6NYCRR 215	Open Fires	32
U-00002	6NYCRR 225-1.2 (a) (2)	Sulfur in Fuel Limitations Post 12/31/87.	85
U-00004/-/RAC	6NYCRR 225-1.2 (a) (2)	Sulfur in Fuel Limitations Post 12/31/87.	97
FACILITY	6NYCRR 225-1.8 (a)	Reports, sampling and analysis.	33
FACILITY	6NYCRR 225-1.8 (b)	Reports, sampling and analysis.	34
FACILITY	6NYCRR 225-1.8 (d)	Reports, sampling, and analysis	35
FACILITY	6NYCRR 225-3.3 (a)	Prohibitions and requirements.	36
FACILITY	6NYCRR 225-3.4 (a) (1)	Prohibitions and requirements - oxygen content	37
FACILITY	6NYCRR 225-3.5 (a)	Methods for determining oxygen content	38
FACILITY	6NYCRR 225-3.6 (a)	Records and reports	39
FACILITY	6NYCRR 225-3.6 (b)	Records and reports	40
FACILITY	6NYCRR 225-3.6 (d)	Records and reports	41
U-00002	6NYCRR 227.2 (b) (1)	Particulate emissions.	88
U-00002	6NYCRR 227-1.3	Smoke Emission Limitations.	86
U-00002	6NYCRR 227-2.4 (d)	RACT for Oxides of Nitrogen - small boilers.	87
U-00003/0EP04/335/000D7	6NYCRR 227-2.4 (f) (2) (ii)	Emission limitations for lean burn engines firing other fuels by themselves or in combination with gas.	89
U-00003/0EP08/375/000D4	6NYCRR 227-2.4 (f) (2) (ii)	Emission limitations for lean burn engines firing other fuels by themselves or in combination with gas.	93
U-00003/0EP09/375/000D5	6NYCRR 227-2.4 (f) (2) (ii)	Emission limitations for lean burn engines firing other fuels by themselves or in combination with gas.	94
U-00003/0EP10/425/000D6	6NYCRR 227-2.4 (f) (2) (ii)	Emission limitations for lean burn engines firing other fuels by themselves or in combination with gas.	95
U-00003/0EP05/340/000D1	6NYCRR 227-2.5 (c)	Alternative emission limits	90
U-00003/0EP06/340/000D2	6NYCRR 227-2.5 (c)	Alternative emission limits	91
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U-00005/-/PIE/0PIER	6NYCRR 229.3 (g) (1)	RACT variances	98
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		loading terminals	
U-00006/-/DSP/0DISP	6NYCRR 230.2 (d) (1)	Stage I and II required	100
		for new tanks after	
		6/27/87 in NYCMA	
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Applicability Discussion:

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

6NYCRR Part 200-.5

Allows for the sealing of non-compliant air contamination sources

6NYCRR Part 200-.6

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

6NYCRR Part 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

6NYCRR Part 201-1.2

Any existing emission source that is required to be permitted or registered but has not done so, must apply for the necessary permit or registration. The source is subject to all regulations that were applicable at the time the original permit or registration was required as well as any subsequent applicable requirements that came into effect since.

6NYCRR Part 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.

6NYCRR Part 201-1.5

An enforcement action may be avoided if the facility can demonstrate that an emergency situation occurred which resulted in an emission limitation or permit

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violation. The following information would constitute evidence of an emergency situation: a properly signed operating log recorded during the actual event which; identifies the cause(s) of the emergency, indicates that all equipment was operating properly at the time, the person responsible took all reasonable steps to minimize the exceedance or violation, and that the department was notified of the emergency within 2 working days of the event.

6NYCRR Part 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6NYCRR Part 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6NYCRR Part 201-1.10(b)

Any permit application, compliance plan, permit, and monitoring and compliance certification report that is submitted as part of the Title V permit process must be made available to the public as per requirements set forth under 6 NYCRR Part 616 - Public Access to Records and section 114(c) of the Clean Air Act Amendments of 1990.

6NYCRR Part 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.

6NYCRR Part 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.

6NYCRR Part 201-5

This regulation applies to those permit terms and conditions which are not federally enforceable. It specifies the applicability criteria for state facility permits, the information to be included in all state facility permit applications as well as the

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permit content, terms of permit issuance, and sets guidelines for modifying state facility permits and allowing for operational flexibility. For permitting purposes, this rule specifies the need to list all emission units except those that are exempt or trivial pursuant to Subpart 201-3 in the permit application and provide a description of the emission unit's processes and products. Finally, this rule also provides the Department the authority to include this and any other information that it deems necessary to identify applicable Federal standards, recordkeeping and reporting requirements, and establish terms and conditions that will ensure compliance with the national ambient air quality standards.

6NYCRR Part 201-5.3(b)

Lists those contaminants subject to contaminant specific requirements

6NYCRR Part 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.

6NYCRR Part 201-6.5(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.

6NYCRR Part 201-6.5(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.

6NYCRR Part 201-6.5(g)

Permit Exclusion Provisions - specifies those actions, such as administrative orders, suits, claims for natural resource damages, etc that are not affected by the federally enforceable portion of the permit, unless they are specifically addressed by it.

6NYCRR Part 202-1.1

This regulation allows the department the discretion to require an emission test for

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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.

6NYCRR Part 202-2.1

Requires that emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

6NYCRR Part 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.

6NYCRR Part 211-.2

This regulation prohibits any emissions of air contaminants to the outdoor atmosphere which may be detrimental to human, plant or animal life or to property, or which unreasonably interferes with the comfortable enjoyment of life or property regardless of the existence of any specific air quality standard or emission limit.

6 NYCRR Part 211.3

This condition requires that the opacity (i.e., the degree to which emissions other than water reduce the transmission of light) of the emissions from any air contamination source be less than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent.

6 NYCRR Part 215

Prohibits open fires at industrial and commercial sites.

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, RIVERHEAD TERMINAL-CONOCOPHILLIPS has been determined to be subject to the following regulations:

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40CFR 60-A.11

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

40CFR 60-A.12

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

40CFR 60-A.14

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

40CFR 60-A.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.

40CFR 60-A.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.

40CFR 60-A.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.

40CFR 60-A.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.

40CFR 60-A.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.

40CFR 60-A.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.

40CFR 60-A.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

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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.

40CFR 60-A.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.

40CFR 60-A.8 (c)

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

40CFR 60-A.8 (d)

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

40CFR 60-A.8 (e)

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

40CFR 60-A.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.

40CFR 60-A.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.

40CFR 60-K.112 (a)

Petroleum liquids stored at vapor pressures of greater than or equal to 1.5 psia and less than 11.1 psia shall be stored in a vessel that uses the control combination as specified in 40CFR60.112(a)(1), 40CFR60.112(a)(2), 40CFR60.112(a)(3), or 40CFR60.112(a)(4). The owner/operator shall certify which control combination is used for the vessel.

40CFR 60-K.113 (a)

Regulates record keeping of petroleum liquid storage, the period of storage and the maximum true vapor pressure of the liquid during the respective storage period.

40CFR 60-Kb.112b (a)

Petroleum liquids stored at vapor pressures of greater than or equal to 5.2 kPa and less than 76.6 kPa shall be stored in a vessel with a fixed roof in combination with an internal floating roof which meets the design criteria of section 40 CFR 60-Kb.112b.

40CFR 60-Kb.113b (a) (3)

Vessels equipped with a double-seal system shall be visually inspected as specified in paragraph 40 CFR 60.113b(a)(4) at least once every five years, and paragraph 40 CFR 60.113b(a)(2) at least once every 12 months.

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40CFR 60-Kb.113b (a) (4)

The owner or operator shall visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, either seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the owner or operator shall repair the items as necessary so that none of these conditions exist before refilling the storage vessel with Volatile Organic Liquid.

40CFR 60-Kb.115b (a)

The owner or operator shall keep records of each inspection performed to monitor the condition of the internal floating roof.

6NYCRR 201-6.5 (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.

6NYCRR 205.4

All architectural surface coatings applied at the Riverhead Terminal facility shall have VOC contents lower than the limits specified in 6 NYCRR Part 205.4. The vendor-supplied material data safety sheets shall be kept on site for each coating used at the facility.

6NYCRR 212.3 (a)

This rule requires compliance with the degree of control specified in Tables 2, 3 and 4 for existing (on or before July 1, 1973) process emission sources.

6NYCRR 225-1.2 (a) (2)

This regulation prohibits any person from selling, offering for sale, purchasing or using any fuel which contains sulfur in a quantity exceeding the limitations set forth in Table 1, Table 2, or Table 3 of this section.

6NYCRR 225-1.8 (a)

The owner/operator of the facility shall certify in annual compliance reports that the fuel oil containing greater than 1.5 weight percent of sulfur that may be stored in the tanks of the facility and loaded onto barges for distribution are not destined for any location in New York State, or that this fuel oil is not being sold or used in New York State.

6NYCRR 225-1.8 (b)

Upon request the owner or operator of a facility which purchases and fires coal or oil shall submit reports to the commissioner containing a fuel analysis, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1. All records shall be available for a minimum of three years

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6NYCRR 225-1.8 (d)

This requires that sampling, compositing and analysis of fuel samples must be done in accordance with methods acceptable to the commissioner.

6NYCRR 225-3.3 (a)

This regulation prohibits anyone from selling or supplying gasoline having a Reid vapor pressure greater than 9.0 pounds per square inch during the period between May 1 through September 15 of each year. The Reid vapor pressure is a measure of the vapor pressure of a gasoline in pounds per square inch at 100° F.

6NYCRR 225-3.4 (a) (1)

This regulation Gasoline sold or dispensed in the New York City Consolidated Metropolitan Statistical Area during the period between October 1 through April 30 must contain 2.7-2.9 percent oxygen by weigh

6NYCRR 225-3.5 (a)

This regulation requires sampling and analysis of gasoline sold in the New York Metropolitan or Syracuse areas. This sampling and analysis must be performed prior to transporting the gasoline from the distribution terminal or if any of the fuel components have been altered before going out for sale at the retail outlets.

6NYCRR 225-3.6 (a)

This regulation sets forth the record keeping requirements for the owner or operator of any refinery, terminal, or bulk plant from which gasoline, subject to the oxygen content requirements of 6 NYCRR Part 225-3.4, is distributed. The owner or operator must maintain records on the gasoline that is delivered to or distributed from these facilities

6NYCRR 225-3.6 (b)

This regulation requires that records of oxygen content in gasoline distributed to sites in the New York Metropolitan must be maintained for two years from the date of delivery

6NYCRR 225-3.6 (d)

This regulation requires the owners or operators of gasoline refineries, terminals, bulk storage plants, retailers or wholesale purchasers to make their records required under 6 NYCRR Part 225-3.6(a),(b) or (c) available for inspectors from the NYSDEC.

6NYCRR 227 .2 (b) (1)

This regulation is from the 1972 version of Part 227 and still remains as part of New York's SIP. The rule establishes a particulate limit of 0.1 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

6NYCRR 227-1.3

This regulation requires a limitation and compliance monitoring for opacity from a stationary combustion installation.

6NYCRR 227-2.4 (d)

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This rule specifies that the reasonably available control technology (RACT) requirement for small boilers (< or = 50 million BTUs/hr) at Title V facilities consists of an annual tune-up.

6NYCRR 227-2.4 (f) (2) (ii)

Internal combustion engines above 225 horsepower are required to comply with the nitrogen oxide emission limit of 9 grams per brake horsepower-hour.

6NYCRR 227-2.5 (c)

Records of daily gasoline throughput for gasoline loading terminals shall be kept at the site for a period of five years.

6NYCRR 229 .3 (a)

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

6NYCRR 229 .3 (a) (2)

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

6NYCRR 229 .3 (g) (1)

An analysis performed by TOSCO demonstrates that the cost of controls to achieve VOC RACT emission limit at the offshore petroleum loading/unloading platform exceeds the NYSDEC Air Guide 20 cost effectiveness threshold and that therefore the source owner need not install such controls if it can be demonstrated every year during the permit period that the cost effectiveness threshold cannot be achieved. The variance restricts the petroleum liquid loading to marine vessels to less than 5,000,000 barrels per year.

6NYCRR 229 .4 (a)

The owner and/or operator of a vapor collection and control unit must follow notification requirements, protocol requirements, and test procedures of Part 202 for testing and monitoring as required of this Part.

6NYCRR 229 .5 (a)

Recordkeeping of capacities of petroleum liquid storage tanks must be maintained at the facility for five years.

6NYCRR 229 .5 (c)

Recordkeeping of daily gasoline throughput for gasoline loading terminals shall be maintained at the facility for five years.

6NYCRR 230 .2 (d) (1)

This regulation requires Stage I and Stage II vapor collection systems at any gasoline dispensing site located in the New York City Metropolitan Area which were constructed, replaced, or substantially modified after June 27, 1987, regardless of the annual gasoline throughput at the site. Stage I vapor collection systems are systems where the gasoline vapors are forced from the gasoline storage tank back into the gasoline transport vehicle or a vapor control system through direct displacement by the gasoline being loaded.

6NYCRR 230 .2 (f)

Owners and/or operators of gasoline storage tanks, vehicles, and dispensing stations required to install stage 1 and/or stage 2 vapor recovery equipment must meet these provisions. The provisions include

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training , correct operation, replacement, and repair of personnel and equipment.

Compliance Certification

Summary of monitoring activities at RIVERHEAD TERMINAL-CONOCOPHILLIPS:

Location Facility/EU/EP/Process/ES	Type of Monitoring	Cond No.
U-00001/-/STO/00T14	record keeping/maintenance procedures	69
U-00001/-/STO/00T15	record keeping/maintenance procedures	71
U-00001/-/STO/00T16	record keeping/maintenance procedures	73
U-00001/-/STO/00T17	record keeping/maintenance procedures	75
U-00001/-/STO/00T18	record keeping/maintenance procedures	77
U-00001/-/STO/00T21	record keeping/maintenance procedures	83
U-00001/-/STO/00T14	record keeping/maintenance procedures	70
U-00001/-/STO/00T15	record keeping/maintenance procedures	72
U-00001/-/STO/00T16	record keeping/maintenance procedures	74
U-00001/-/STO/00T17	record keeping/maintenance procedures	76
U-00001/-/STO/00T18	record keeping/maintenance procedures	78
U-00001/-/STO/00T21	record keeping/maintenance procedures	84
U-00001/-/STO/00T19	record keeping/maintenance procedures	80
U-00001/-/STO/00T19	record keeping/maintenance procedures	81
U-00001/-/STO/00T19	record keeping/maintenance procedures	82
FACILITY	record keeping/maintenance procedures	24
FACILITY	record keeping/maintenance procedures	25
FACILITY	record keeping/maintenance procedures	28
FACILITY	record keeping/maintenance procedures	30
U-00001/-/STO/00T06	record keeping/maintenance procedures	66
U-00001/-/STO/00T07	record keeping/maintenance procedures	67
U-00001/-/STO/00T08	record keeping/maintenance procedures	68
U-00004/-/RAC	record keeping/maintenance procedures	96
U-00002	work practice involving specific operations	85
U-00004/-/RAC	work practice involving specific operations	97
FACILITY	record keeping/maintenance procedures	33
FACILITY	record keeping/maintenance procedures	34
FACILITY	work practice involving specific operations	36
FACILITY	work practice involving specific operations	37
FACILITY	work practice involving specific operations	38
FACILITY	record keeping/maintenance procedures	39
FACILITY	record keeping/maintenance procedures	40
FACILITY	record keeping/maintenance procedures	41
U-00002	intermittent emission testing	88
U-00002	record keeping/maintenance procedures	86
U-00002	record keeping/maintenance procedures	87
U-00003/0EP04/335/000D7	intermittent emission testing	89
U-00003/0EP08/375/000D4	intermittent emission testing	93
U-00003/0EP09/375/000D5	intermittent emission testing	94
U-00003/0EP10/425/000D6	intermittent emission testing	95
U-00003/0EP05/340/000D1	intermittent emission testing	90
U-00003/0EP06/340/000D2	intermittent emission testing	91
U-00003/0EP07/340/000D3	intermittent emission testing	92
U-00001	record keeping/maintenance procedures	63
U-00001	record keeping/maintenance procedures	64
U-00005/-/DCK/0PLAT	monitoring of process or control device	98

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U-00005/-/PIE/0PIER	parameters as surrogate work practice involving specific operations	99
U-00001	record keeping/maintenance procedures	65
FACILITY	record keeping/maintenance procedures	43

Basis for Monitoring

Emissions from the facility will be monitored through proper maintenance of petroleum storage tanks, loading and unloading work practice procedures at marine loading/unloading pier and barge, and limited nitrogen oxide emissions from diesel engines. Emissions from boilers will be limited by yearly tune-ups of these units.