

**Division of Air Resources
Permit Review Report**

Permit ID: 2-6101-00025/00057

Renewal Number: 2

10/15/2019

Facility Identification Data

Name: NEWTOWN CREEK WASTEWATER TREATMENT PLANT

Address: 329-69 GREENPOINT AVE

BROOKLYN, NY 11222

Owner/Firm

Name: NYC DEPT OF ENVIRONMENTAL PROTECTION

Address: 96-05 HORACE HARDING EXPY FL 5

CORONA, NY 11368, USA

Owner Classification: Municipal

Permit Contacts

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96-05 HORACE HARDING EXPY FL 2

FLUSHING, NY 11368

Phone:7185955194

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 is a permit application to renew the Newtown Creek WWTP Part 201 Title V permit. The plant's existing Part 201 Title V air permit is to expire on 1/6/2019. This renewal application consists of no new source or significant change to the plant's current operation as in the existing Title V permit but incorporates updates on the status of the plant's upgrading construction, but includes only the sections of

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the DEC Renewal 2 Application that require changes from the draft renewal application provided by DEC on March 23, 2018.

These changes include:

- updated applicable federal/state requirements
- updated regulatory required sulfur content requirement for #2 ultra-low sulfur diesel
- corrected heat input value for nine Cleaver-Brooks CBLE 700-750-125HW hot water boilers (BLER1 through BLER9) in Emission Unit 1-BLERS Process BLR
- updated Emission Unit 1-BLERS Process BLR description to reflect the National Grid project location change
- corrected Emission Source IDs for four (4) main building carbon vessels in Emission Unit 2-WWTRE Process OHW from (M10C1, M10C2, M20C1 and M20C2) to (MBOC1, MBOC2, MBOC3 and MBOC4), to be consistent with corresponding Emission Points
- moved the digester gas holding tank, currently listed under Emission Unit 3-SLUDG, to Emission Unit 3-NSLUD; and removed the Emission Unit 3-SLUDG since the upgrade construction has removed other equipment under this Emission Unit 3-SLUDG
- listed the one 1,200 CFM two-stage carbon odor control system (FWOC1) for treating odors from the food waste storage tank, as in the October 30, 2015 letter to DEC, under emission unit 3-NSLUD
- updated Emission Sources under Emission Unit 4-RESID to reflect upgrade construction progress and current operation
- updated storage tanks number and purpose in Emission Unit 5-MISCS to reflect upgrade construction progress and current operation
- revised Emission Unit 6-FLARE to reflect the National Grid project location change

Attainment Status

NEWTOWN CREEK WASTEWATER TREATMENT PLANT is located in the town of BROOKLYN in the county of KINGS.

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
Carbon Monoxide (CO)	ATTAINMENT

* 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:

Newtown Creek WPCP is a 310 million gallon per day (mgd) publicly owned secondary wastewater

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treatment plant. The standard industrial classification code is 4952-Sewerage Systems.

This facility is currently undergoing a major construction upgrade. This process upgrade is divided into two components: interim, final. The final upgrade will include construction of new processes and reconstruction of some existing processes as well as repair and replacement of existing equipments.

The plant is using purchased electricity. This facility is categorized into eight (8) Emission Units i.e.: 1-BLERS, 2-WWTRE, 3-NSLUD, 3-SLUDG, 4-RESID, 5-MISCS, 6-FLARE and 7-GTURB.

Newtown Creek WPCP is a major air pollution facility since it emits Nitrogen Oxide (NOx) in excess of the 25 tons per year (TPY) NOx major source threshold (see the definition section of 6NYCRR Part 231-2). Volatile Organic Compounds (VOC) are being emitted in amounts that are less than the major source threshold. The upgrade of the facility involves the construction of new air pollution sources that constitute a significant source project. A significant source causes Maximum Annual Potential Emissions or MAP (of any of the major pollutants: NOx, CO, VOC or Particulate Matters) that exceed the existing facility's MAP for the corresponding major pollutant or pollutants.

NYCDEP, as owner and operator of the Newtown Creek WPCP has conducted a New Source Review (NSR) Applicability Determination for NOx. 6NYCRR Part 231-2 (NSR) and its air pollutant control requirements such as LAER (Lowest Achievable Emission Rate) could apply to the new project being constructed at Newtown Creek WPCP if the net emission increase (NEI) for any major pollutant exceeds the Significant Source Project Net Emission Increase Threshold (SNEIT) for the major pollutant. In the case of NOx the Net Emission Source Increase was 23.2 TPY, which is below the NOx SNEIT of 25 TPY.

For compliance with NSR, the facility wide NOx emission will be capped at 45.1 tons per year and the VOC emission rate will be less than 25 tons per year.

Permit Structure and Description of Operations

The Title V permit for NEWTOWN CREEK WASTEWATER TREATMENT PLANT 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.

NEWTOWN CREEK WASTEWATER TREATMENT PLANT is defined by the following emission unit(s):

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Emission unit 4RESID - This emission unit consists of the Central Residuals process which takes place in the central residual building. The process includes the following areas: screening room, channels and compactor, the sludge screening areas, the grit cyclone and classifier areas, the skimmings concentrator areas and the disposal areas and the splitter box. The odor control system consists of 14 carbon adsorbers (ROCU1 THRU ROC14) that discharge through a common single exhaust stack.

Emission unit 4RESID is associated with the following emission points (EP):
4RHOC

Process: SCU is located at Building RESID - The SCU process takes place in the central residual building. The process includes the following areas: screening room, channels and compactor, the sludge screening areas, the grit cyclone and classifier areas, the skimmings concentrator areas, the disposal areas and the splitter box. The odor control system consists of 14 carbon adsorbers that discharge through a common single exhaust stack. The total throughput is based on the designed ventilation air flow capacity of the activated carbon adsorption vessels. This process is at the Central Residual Building.

Emission unit 5MISCS - This emission unit is for the facility's non-exempt chemical storage and fuel storage tanks, that exceed the 10000 gal exempt threshold.

The CST process includes a total of 4 (four) non-exempt 18190 hypochlorite tanks.

There are also 5 non-exempt Diesel fuel tanks, 4 x 20,000 gallons and 1 x 12,000 gallon tanks.

As part of the plant's upgrade plan, DEP installed two x 18190 gallon tanks to store sodium bisulfite for dechlorination process.

Process: CST is located at Building OUTDOOR - This process includes the plant's Chemical Storage Tanks (CST) that exceeds the 10,000 gal exempt threshold. There are a total of six (6) tanks for Hypochlorite storages: 6X16,800 gallon Hypochlorite storage tanks. There are also five (5) nonexempt diesel storage tanks: 4 x 20,000 gallon diesel tanks and 1 x 12,000 gallon diesel tank.

Emission unit 6FLARE - This unit consists of the plant's four new enclosed waste sludge digester gas burners installed as part of the upgrade to flare excessive sludge digester gas.

As part of New York City's anti-global warming effort to reduce Green House Gas ("GHG") emissions, the plant will install a system for collecting and treating digester gas from the plant and injecting the treated methane gas into the National Grid natural gas distribution system. The methane gas would be consumed by National Grid's New York City customers. This separation system includes a thermal oxidizer to destroy those unwanted constituents (captured VOCs, H₂S, and other separated constituents) removed from the plant's digester gas.

The thermal oxidizer is going to be placed near the WWTP's existing waste gas burner #1.

Emission unit 6FLARE is associated with the following emission points (EP):

6BUR1, 6BUR2, 6BUR3, 6BUR4, OXIDS

Process: BUG is located at Building NMAIN - This process is for four Varec 249, 46 mmBTu/hr enclosed

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waste gas burners to burn the excessive sludge digester gas produced at the WWTP.

The total throughput of the waste burner operation is based on the estimated digester gas production at the WWTP.

Process: OXD is located at Building NMAIN - This process includes a thermal oxidizer to destroy those unwanted constituents (captured VOCs, H₂S, and other separated constituents) removed from the plant's digester gas by a separation system. The thermal oxidizer is located near the WWTP's existing waste gas burner #1. Waste heat from the oxidizer flue gas will be captured to further reduce boiler use at the plant.

Emission unit 7GTURB - This unit consists of four 5 MW emergency gas turbines and two black start engines. The emergency turbine generators are used in the event of emergency, such as service disruption or a black out and may be operated for participation in the New York State Demand Reduction Program. The emergency turbines would provide backup power to the plant during those times and will be exercised on a routine basis. The two black start engines are used to start the turbines and will be operated for routine maintenance.

Emission unit 7GTURB is associated with the following emission points (EP):

BSE1A, BSE1B, BSE2A, BSE2B, TURB1, TURB2, TURB3, TURB4

Process: ENG is located at Building NMAIN - The plant has 2 black start internal combustion engine generators that will be used to kick start the emergency turbines. For testing, these units are expected to operate for routine testing and maintenance and to start the turbines. Fuel is diesel.

Process: TRB is located at Building NMAIN - As part of track 3 upgrade, four 5MW turbine generators are installed and operated at the plant. The emergency turbine generators are used in the event of emergency, such as service disruption or a black out and may be operated for participation in the New York State Demand Reduction Program. The emergency turbines would provide backup power to the plant during those times. Fuel is diesel.

Emission unit 1BLERS -

This emission unit consists of the plant's boilers for both the space and sludge heating demand. The plant has three Cleaver Brooks/CB 700-400-15 gas-fired steam boilers installed in 1998 and each rated 16.75 mmbtu/hr. These three steam boilers fire natural gas and one boiler is operated continuously throughout the year and two boilers will be operated for peak heating demand during winter. These three steam boilers will be removed after the final upgrade is completed.

The ongoing upgrade has installed nine 29.5 mmbtu/hr Cleaver Brooks/CB-LE hot water boilers. These hot water boilers fire sludge digester gas and natural gas.

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

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1BLR1, 1BLR2, 1BLR3, 1BLR4, 1BLR5, 1UBLR

Process: BLR is located at Building NMAIN - This process is for the new nine 30.6 mmBtu/hr Cleaver Brooks CB 700-750-125 HW hot water boilers to fire gaseous fuel (sludge digester gas or natural gas or blend). Once the upgrade is complete these new boilers will normally fire sludge digester gas. At times that sludge digester gas is unavailable, these boilers will fire natural gas or blend. Up to eight of these new boilers may be operated at a time for peak demand during winter. At all times, at least one boiler is kept offline as standby.

Process: IUB is located at Building MAIN -

This process is for the three existing 16.75 mmBtu/hr Cleaver Brooks (CB 700-400-15) boilers that fire natural gas. One boiler is continuously operated throughout the year and two boilers are operated for peak heating demand during winter. At all times, at the least one boiler is kept offline as standby.

Emission unit 2WWTRE - This unit consists of the plant's wastewater treatment processes. These processes include the existing Headworks (HW), Aeration and Final Settling process (AFS) and chlorine contact (CCT) with dechlorination. The on going interim upgrade has demolished and removed the old Grit Chambers process (GC) and constructed four new grit buildings. Odorous air from the new grit building are treated through the North and Central Odor Control System. Other than the headworks, all processes are all outdoor and in large tanks. These processes also include the chlorine contact disinfection process with dechlorination to be constructed under the plant's final upgrade. Under the plant's interim upgrade and the final upgrade construction, these processes will be reconstructed and new processes will be added to the plant. Activated carbon adsorption vessels either have been installed or have been scheduled to be installed. Emissions from these processes depend on the concentrations of pollutants of concern in the plant's influent of which the plant does not have complete control. Therefore, the emissions are based on currently available data.

Two packaged carbon adsorber odor control systems have been added to the plant's headworks process to control the odors at the Manhattan uptake shaft and the influent splitter box. Under the final plant upgrade, the emission from the splitter box will be treated by the Central Residual Odor Control System under emission unit 4-RESID. A new odor control system is installed at the Main Building that has four carbon adsorber tanks.

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

2FBAY, 2NCOC, 2SOOC, ISBOC, MBOCA, MBOCB, MBOCC, MBOCD, MUSOC

Process: 0AS is located at Building OUTDOOR - THIS IS THE PLANT'S MODIFIED ACTIVATED SLUDGE (AS) SECONDARY TREATMENT PROCESS CONSISTING OF 24 MODIFIED DIFFUSED AIR ACTIVATED SLUDGE AERATION TANKS. IN THIS PROCESS, THE EFFLUENT FROM THE PRIMARY TREATMENT SECTION CONTAINING MAINLY COLLOIDAL AND DISSOLVED SOLIDS (BOTH INORGANIC AND ORGANIC) ARE TREATED BIOLOGICALLY BY UTILIZING MANY DIFFERENT TYPES OF MICROORGANISMS IN A CONTROLLED ENVIRONMENT. LARGE AMOUNTS OF AIR ARE PUMPED INTO AERATION TANKS MIXING THE WASTEWATER AND SLUDGE RETURNED FROM THE PLANT'S FINAL SETTLING TANKS. THIS SPEEDS THE GROWTH OF THE OXYGEN-USING BACTERIA AND OTHER TINY ORGANISMS THAT ARE NATURALLY PRESENT IN THE SEWAGE. THESE BENEFICIAL MICROORGANISMS CONSUME MOST OF THE REMAINING ORGANIC POLLUTANTS PRODUCING HEAVIER PARTICLES WHICH SETTLE OUT LATER IN THE FINAL SETTLING TANKS.

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THE TOTAL THROUGHPUT IS BASED ON DRY WEATHER FLOW.

Renewal 2010

THE AERATION TANKS AND THE FINAL SETTLING TANKS WEIRS ARE COVERED AND THE ODORS ARE CONTROLLED USING CARBON ADSORPTION TANKS.

Process: OCC is located at Building OUTDOOR -

Process: OHW is located at Building OUTDOOR - THIS PROCESS IS THE PLANT'S WASTEWATER PRE TREATMENT HEAD WORKS (HW) PROCESSES INCLUDING FOREBAY, BAR SCREENING, AFTERBAY, INFLUENT SPLIT BOX AND ITS WEIR. THE BAR SCREENS CONSIST OF UPRIGHT BARS SPACED ONE TO THREE INCHES APART. THE PRIMARY PURPOSE OF THE BAR SCREEN IS TO REMOVE LARGE PIECES OF TRASH (RAGS, STICKS, NEWSPAPER, CANS, ETC.,) FOR THE PROTECTION OF THE MAIN SEWAGE PUMP AND OTHER EQUIPMENT. ODORS FROM THIS PROCESS ARE CONTROLLED BY 4 ODOR CONTROL UNITS (M10C1, M10C2, M21C1, M20C2) IN THE MAIN BUILDING SCREEN WING.

THE MANHATTAN UPTAKE SHAFT AND THE INFLUENT SPLITTER BOX ARE EQUIPPED WITH TWO PACKAGED CARBON ADSORBER ODOR CONTROL SYSTEMS (MUSOC, ISBOC) TO CONTROL ODORS AT THE PLANT'S HEADWORKS PROCESS.

THE TOTAL THROUGHPUT IS BASED ON DRY WEATHER FLOW.

Emission unit 3NSLUD - This emission unit consists of the operation in the new Digestion Building, the Service Building and the digester gas holding tank (previously listed under emission unit 3-SLUDG). The Digestion Building will include 8 new anaerobic digesters and two new sludge storage tanks. The Service Building houses the odor control system (SBOC1 and SBOC2) that will be used to control the odors from the digesters and the sludge storage tanks.

This emission unit also contains an organic food waste to energy project. One of the WWTP's decommissioned thickener tanks was converted to a 150,000 gallon food waste storage tank which will mix the macerated food waste to feed to a digester. A 1,200 CFM two-stage carbon odor control system (FWOC1) was installed to treat odors from the food waste storage tank.

The emission unit 3-SLUDG is removed from this renewal 2 application since sludge gravity thickeners and sludge storage tanks are either out of service or had been removed as part of the plant's upgrade plan.

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

3NAD1, FWOCA

Process: DGH is located at Building SLUDGE - THIS PROCESS IS THE DIGESTER GAS HOLDING (DGH) TANK. THIS TANK HAS NO ADD ON EMISSION CONTROL BUT ITS EMISSION COULD BE IGNORED BECAUSE THE TANK HAS NO ACTIVE EMISSION POINTS AND OR POLLUTANT RELEASES. THE TOTAL THRUPTUT IS ESTIMATED BASED ON THE HISPORICAL OPERATION DATA.

Process: NAD is located at Building SERVICE - THE NEW SLUDGE ANAEROBIC DIGESTION (NAD) PROCESS CONSISTS OF 8 NEW DIGESTERS AND 2 NEW SLUDGE STORAGE TANKS. THE ODORS FROM THE 8 DIGESTER OVERFLOW BOXES AND THE 2 SLUDGE STORAGE TANKS WILL BE CONTROLLED USING A CARBON ADSORBER SYSTEM. THE ODOR

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NORMAL OPERATIONS, ONE UNIT WILL BE OPERATING AND ONE UNIT WILL BE ON STANDBY.

Title V/Major Source Status

NEWTOWN CREEK WASTEWATER TREATMENT PLANT is subject to Title V requirements. This determination is based on the following information:

Facility has PTE emissions of a major source.

Program Applicability

The following chart summarizes the applicability of NEWTOWN CREEK WASTEWATER TREATMENT PLANT with regards to the principal air pollution regulatory programs:

Regulatory Program	Applicability
PSD	NO
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, 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

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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.

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

4952
9511

SEWERAGE SYSTEMS
AIR, WATER & SOLID WASTE MANAGEMENT

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

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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
1-03-007-01	EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - PROCESS GAS
2-01-001-01	POTW DIGESTER GAS-FIRED BOILER INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - DISTILLATE OIL (DIESEL)
2-02-004-02	Turbine INTERNAL COMBUSTION ENGINES - INDUSTRIAL INDUSTRIAL INTERNAL COMBUSTION LARGE BORE ENGINE
3-01-830-01	Dual Fuel (Oil/Gas) CHEMICAL MANUFACTURING CHEMICAL MANUFACTURING - GENERAL PROCESSES Storage/Transfer
5-01-007-07	SOLID WASTE DISPOSAL - GOVERNMENT SOLID WASTE DISPOSAL: GOVERNMENT - SEWAGE TREATMENT
5-01-007-31	POTW: HEADWORKS SCREENING SOLID WASTE DISPOSAL - GOVERNMENT SOLID WASTE DISPOSAL: GOVERNMENT - SEWAGE TREATMENT
5-01-007-60	POTW: DIFFUSED AIR ACT SLUDGE SOLID WASTE DISPOSAL - GOVERNMENT SOLID WASTE DISPOSAL: GOVERNMENT - SEWAGE TREATMENT
5-01-007-71	POTW: CHLORINE CONTACT TANK SOLID WASTE DISPOSAL - GOVERNMENT SOLID WASTE DISPOSAL: GOVERNMENT - SEWAGE TREATMENT
5-01-007-89	POTW: GRAVITY SLUDGE THICKENER SOLID WASTE DISPOSAL - GOVERNMENT SOLID WASTE DISPOSAL: GOVERNMENT - SEWAGE TREATMENT
5-01-007-99	SLUDGE DIGESTER GAS FLARE SOLID WASTE DISPOSAL - GOVERNMENT SOLID WASTE DISPOSAL: GOVERNMENT - SEWAGE TREATMENT OTHER NOT CLASSIFIED

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
000079-34-5	1,1,2,2-TETRACHLOROETHANE	5000			
000107-06-2	1,2-DICHLOROETHANE	5000			
000108-38-3	1,3 DIMETHYLBENZENE	5000			
000108-10-1	2-PENTANONE, 4-METHYL	5000			
000071-43-2	BENZENE	5000			
000098-82-8	BENZENE, (1-METHYLETHYL)	5000			
000106-46-7	BENZENE, 1,4-DICHLORO-	5000			
000095-47-6	BENZENE, 1,2-DIMETHYLBROMOFORM	5000			
000075-25-2	BROMOFORM	5000			
000630-08-0	CARBON MONOXIDE			35859	
000056-23-5	CARBON TETRACHLORIDE	5000			
000108-90-7	CHLOROBENZENE	5000			
000067-66-3	CHLOROFORM			3822	
000075-09-2	DICHLOROMETHANE			1229	
000071-55-6	ETHANE, 1,1,1-TRICHLORO	5000			
000079-00-5	ETHANE, 1,1,2-TRICHLORO	5000			
000075-34-3	ETHANE, 1,1-DICHLORO-	5000			
000075-00-3	ETHANE, CHLORO	5000			
000075-35-4	ETHENE, 1,1-DICHLORO	5000			
000100-41-4	ETHYLBENZENE	5000			
000050-00-0	FORMALDEHYDE			37	
007783-06-4	HYDROGEN SULFIDE	5000			
007439-92-1	LEAD	5000			
000074-83-9	METHYLBROMIDE	5000			
000074-87-3	METHYLCHLORIDE	5000			
000091-20-3	NAPHTHALENE	5000			
0NY210-00-0	OXIDES OF NITROGEN	90200		49555	
0NY075-00-0	PARTICULATES			14248	
000127-18-4	PERCHLOROETHYLENE			3095	

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0NY075-00-5	PM-10		14248
000078-87-5	PROPANE, 1,2- DICHLORO	5000	
007704-34-9	SULFUR	25747	25747
007446-09-5	SULFUR DIOXIDE		25747
000108-88-3	TOLUENE		11200
0NY100-00-0	TOTAL HAP	16320	16320
000079-01-6	TRICHLOROETHY LENE		265
000075-01-4	VINYL CHLORIDE	5000	
0NY998-00-0	VOC	16320	16320
000106-42-3	XYLENE, PARA-	5000	

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)

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.

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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 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

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Department pursuant to the provisions of Part 2 01-6.7 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 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

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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

**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	49	Powers and Duties of the Department with

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1-BLERS	40CFR 60-Dc.48c(a)	38	respect to air pollution control Reporting and Recordkeeping Requirements.
7-GTURB	40CFR 60-Dc.48c(a)	45	Reporting and Recordkeeping Requirements.
FACILITY	40CFR 68	19	Chemical accident prevention provisions
FACILITY	40CFR 82-F	20	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	50	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	21, 32, 33	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)	22	Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4(e)	6	Compliance Certification
FACILITY	6NYCRR 201-6.4(f)(6)	17	Off Permit Changes
FACILITY	6NYCRR 201-7	23, 34	Federally Enforceable Emissions Caps
FACILITY	6NYCRR 202-1	24, 25	Emission Testing, Sampling and Analytical Determinations
FACILITY	6NYCRR 202-1.1	18	Required emissions tests.
FACILITY	6NYCRR 202-2.1	7	Emission Statements -

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FACILITY	6NYCRR 202-2.5	8	Applicability Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.1	51	General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 211.2	26, 27, 28, 29	General Prohibitions - visible emissions limited.
FACILITY	6NYCRR 215.2	9	Open Fires - Prohibitions
FACILITY	6NYCRR 225-1.2(h)	30	Sulfur-in-Fuel Limitations
FACILITY	6NYCRR 225-1.6(f)	31	Excess Emission Reports
7-GTURB/-/ENG	6NYCRR 227.2(b)(1)	46	Particulate emissions.
7-GTURB/-/TRB	6NYCRR 227.2(b)(1)	48	Particulate emissions.
1-BLERS	6NYCRR 227-1.3(a)	36	Smoke Emission Limitations.
6-FLARE	6NYCRR 227-1.3(a)	41	Smoke Emission Limitations.
7-GTURB	6NYCRR 227-1.3(a)	44	Smoke Emission Limitations.
1-BLERS	6NYCRR 227-2.4(d)	37	Small boilers, small combustion turbines, and small stationary internal combustion engines.
1-BLERS/-/BLR	6NYCRR 227-2.4(d)	39	Small boilers, small combustion turbines, and small stationary internal combustion engines.
7-GTURB/-/TRB	6NYCRR 227-2.4(e)(1)	47	Simple cycle combustion turbines.
6-FLARE	6NYCRR 227-2.4(g)	42	Other combustion installations.
FACILITY	6NYCRR 257-10	52	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

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

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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.

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

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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 201-6.4 (f) (6)

This condition allows changes to be made at the facility, without modifying the permit, provided the changes do not cause an emission limit contained in this permit to be exceeded. The owner or operator of the facility must notify the Department of the change. It is applicable to all Title V permits which may be subject to an off permit change.

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 202-2.1

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

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, NEWTOWN CREEK WASTEWATER TREATMENT PLANT has been determined to be subject to the following regulations:

40 CFR 60.48c (a)

This regulation requires the owner and operator of each affected facility to submit notification of the date of construction or reconstruction, anticipated startup, and actual startup of the facility. The notification must include the following information:

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c., or 40 CFR 60.43c.
- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

6 NYCRR 211.1

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

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6 NYCRR 225-1.2 (h)

Sulfur-in-fuel limitation for the firing of distillate oil on or after July 1, 2016.

6 NYCRR 225-1.6 (f)

This citation requires subject facilities to submit excess emissions reports to the Department.

6 NYCRR 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 0.10 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

6 NYCRR 227-1.3 (a)

This regulation prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

6 NYCRR 227-2.4 (d)

This section includes NO_x RACT requirements for small boilers, small combustion turbines, and small stationary internal combustion engines.

6 NYCRR 227-2.4 (e) (1)

Presumptive NO_x RACT emission limits for simple cycle combustion turbines.

6 NYCRR 227-2.4 (g)

This subdivision establishes NO_x RACT for emission sources that are subject to this rule but not specifically regulated under the other source categories of this rule.

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

6 NYCRR Subpart 202-1

This subpart of Part 202 establishes the general criteria for verifying emissions by means of emissions sampling, testing and associated analytical determinations.

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6 NYCRR Subpart 257-10
257 is for the ambient air monitoring

**Compliance Certification
Summary of monitoring activities at NEWTOWN CREEK WASTEWATER TREATMENT
PLANT:**

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

1-BLERS	38	record keeping/maintenance procedures
7-GTURB	45	record keeping/maintenance procedures
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
1-BLERS	35	work practice involving specific operations
6-FLARE	40	work practice involving specific operations
7-GTURB	43	work practice involving specific operations
FACILITY	24	monitoring of process or control device parameters as surrogate
FACILITY	25	monitoring of process or control device parameters as surrogate
FACILITY	7	record keeping/maintenance procedures
FACILITY	27	record keeping/maintenance procedures
FACILITY	28	monitoring of process or control device parameters as surrogate
FACILITY	29	record keeping/maintenance procedures
FACILITY	30	work practice involving specific operations
FACILITY	31	record keeping/maintenance procedures
7-GTURB/-/ENG	46	intermittent emission testing
7-GTURB/-/TRB	48	intermittent emission testing
1-BLERS	36	monitoring of process or control device parameters as surrogate
6-FLARE	41	monitoring of process or control device parameters as surrogate
7-GTURB	44	monitoring of process or control device parameters as surrogate
1-BLERS	37	record keeping/maintenance procedures
1-BLERS/-/BLR	39	intermittent emission testing
7-GTURB/-/TRB	47	intermittent emission testing
6-FLARE	42	intermittent emission testing
FACILITY	52	record keeping/maintenance procedures

Basis for Monitoring

Basis of monitoring:

- Part 225: Fuel in sulfur monitoring
- Part 227: Opacity monitoring
- Part 227: Particulate monitoring
- Part 227: Nox monitoring

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