

**New York State Department of Environmental Conservation**

**Permit Review Report**

**Permit ID: 1-2820-00652/00055    Renewal Number: 1**



**10/27/2006**

**Facility Identification Data**

Name: NASSAU COUNTY SD #2 BAY PARK STP  
Address: FOURTH AVE  
EAST ROCKAWAY, NY 11518

**Owner/Firm**

Name: NASSAU COUNTY  
Address: 1 WEST ST  
MINEOLA, NY 11501, USA  
Owner Classification: Municipal

**Permit Contacts**

Division of Environmental Permits:  
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50 CIRCLE RD  
STONY BROOK, NY 11790-3409

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

Air Permitting Contact:  
Name: PASQUALE ASSALONE  
Address: NASSAU CO BAY PARK STP  
PO BOX 148  
EAST ROCKAWAY, NY 11518-0148

**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**

Application for renewal of Air Title V Facility. The facility is a 70 million gallon per day sewage treatment plant which services portions of Nassau County, NY. The plant operates four 3,600 KW engine

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generators which can burn natural gas, digester gas, or fuel oil. The engines are used to provide power internally to the unit processes and equipment such as aeration tank blowers and main sewage pumps. The plant also operates four 750 HP boilers to produce hot water required for the central chillers and space heating. The boilers burn natural gas, digester gas, or fuel oil. Several other emission points associated with the treatment of sewage are located at the facility. These processes include primary screening, grit removal, primary settling tanks, aeration tanks, final settling tanks, sludge thickening, and sludge dewatering. Most of the processes are controlled through an odor control system.

### Attainment Status

NASSAU COUNTY SD #2 BAY PARK STP is located in the town of HEMPSTEAD in the county of NASSAU.

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

The facility is a 70 million gallon per day sewage treatment plant which services portions of Nassau County, NY. The plant operates four 3,600 KW engine generators which can burn natural gas, digester gas, or fuel oil. The engines are used to provide power internally to the unit processes and equipment such as aeration tank blowers and main sewage pumps. The plant also operates four 750 HP boilers to produce hot water required for the central chillers and space heating. The boilers burn natural gas, digester gas, or fuel oil. Several other emission points associated with the treatment of sewage are located at the facility. These processes include primary screening, grit removal, primary settling tanks, aeration tanks, final settling tanks, sludge thickening, and sludge dewatering. Most of the processes are controlled through an odor control system.

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**Permit Structure and Description of Operations**

The Title V permit for NASSAU COUNTY SD #2 BAY PARK STP 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.

NASSAU COUNTY SD #2 BAY PARK STP is defined by the following emission unit(s):

Emission unit UBOILR - The plant operates four identical package boilers to produce hot water for space conditioning and process heating. The boilers were manufactured by Cleaver Brooks (Model # CB-750) and were installed in 1995-96. Flue gas recirculation (FRG) systems, which reduces the flame temperature and thus NOx emissions, and low NOx burners to further reduce NOx emissions are installed on each boiler. Each boiler is equipped with a dedicated emission point.

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

00031, 00032, 00033, 00034

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

Process: B01 is located at Building MNBLDG - COMBUSTION OF DIGESTER GAS FOR HOT WATER PRODUCTION.

Process: B02 is located at Building MNBLDG - COMBUSTION OF NATURAL GAS FOR HOT WATER PRODUCTION.

Process: B03 is located at Building MNBLDG - COMBUSTION OF FUEL OIL FOR HOT WATER PRODUCTION.

Process: B04 is located at Building MNBLDG - COMBUSTION OF DIGESTER GAS FOR HOT WATER PRODUCTION.

Process: B05 is located at Building MNBLDG - COMBUSTION OF NATURAL GAS FOR HOT WATER PRODUCTION.

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Process: B06 is located at Building MNBLDG - COMBUSTION OF FUEL OIL FOR HOT WATER PRODUCTION.

Process: B07 is located at Building MNBLDG - COMBUSTION OF DIGESTER GAS FOR HOT WATER PRODUCTION.

Process: B08 is located at Building MNBLDG - COMBUSTION OF NATURAL GAS FOR HOT WATER PRODUCTION.

Process: B09 is located at Building MNBLDG - COMBUSTION OF FUEL OIL FOR HOT WATER PRODUCTION.

Process: B10 is located at Building MNBLDG - COMBUSTION OF DIGESTER GAS FOR HOT WATER PRODUCTION.

Process: B11 is located at Building MNBLDG - COMBUSTION OF NATURAL GAS FOR HOT WATER PRODUCTION.

Process: B12 is located at Building MNBLDG - COMBUSTION OF FUEL OIL FOR HOT WATER PRODUCTION.

Emission unit UENGIN - The Bay Park STP operates four 3,600 KW (5,030 bhp) engine generators to produce electric power. The engines are manufactured by Cooper-Bessemer (Model LSVB-12-GDT) and were installed in 1989. The engines incorporate Cleanburn (TM) modifications to reduce NOx emissions and catalytic oxidizers to reduce VOC and CO emissions. Catalytic oxidizers are only operated on engines burning natural gas or distillate fuel oil. Each engine is equipped with a dedicated emission point.

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

00023, 00024, 00025, 00026

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

Process: E01 is located at Building GENBLDG - COMBUSTION OF DIGESTER GAS IN ENGINE TO PRODUCE ELECTRICITY. DISTILLATE FUEL OIL IS USED AS A PILOT FUEL AT A RATIO OF APPROXIMATELY 1.5%. WHEN OPERATING IN THIS MODE, CATALYTIC OXIDIZERS CANNOT BE USED BECAUSE THE CONTROL EQUIPMENT EXPERIENCES FOULING FROM SILOXANE WHICH IS A COMPONENT OF THE DIGESTER GAS.

Process: E02 is located at Building GENBLDG - COMBUSTION OF NATURAL GAS IN ENGINE TO PRODUCE ELECTRICITY. DISTILLATE FUEL OIL IS USED AS A PILOT FUEL AT A RATIO OF APPROXIMATELY 1.5%.

Process: E03 is located at Building GENBLDG - COMBUSTION OF DISTILLATE FUEL OIL IN ENGINE TO PRODUCE ELECTRICITY. THIS FUEL MODE IS ONLY UTILIZED DURING FUEL SWITCHES, TESTING, PREVENTIVE MAINTENANCE, REPAIRS AND EMERGENCIES.

Process: E04 is located at Building GENBLDG - COMBUSTION OF DIGESTER GAS IN ENGINES TO PRODUCE ELECTRICITY. DISTILLATE FUEL OIL IS USED AS A PILOT FUEL AT A RATIO OF APPROXIMATELY 1.5%. WHEN OPERATING IN THIS MODE CATALYTIC OXIDIZERS CANNOT BE USED BECAUSE THE CONTROL EQUIPMENT EXPERIENCES FOULING FROM SILOXANE WHICH IS A COMPONENT OF THE DIGESTER GAS.

Process: E05 is located at Building GENBLDG - COMBUSTION OF NATURAL GAS IN ENGINES TO PRODUCE ELECTRICITY. DISTILLATE FUEL OIL IS USED AS A PILOT FUEL AT A RATIO OF APPROXIMATELY 1.5%.

Process: E06 is located at Building GENBLDG - COMBUSTION OF DISTILLATE FUEL OIL IN ENGINE TO PRODUCE ELECTRICITY. THIS FUEL MODE IS ONLY UTILIZED DURING FUEL SWITCHES, TESTING, PREVENTIVE MAINTENANCE, REPAIRS AND EMERGENCIES.

Process: E07 is located at Building GENBLDG - COMBUSTION OF DIGESTER GAS IN ENGINES

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TO PRODUCE ELECTRICITY. DISTILLATE FUEL OIL IS USED AS A PILOT FUEL AT A RATIO OF APPROXIMATELY 1.5%. WHEN OPERATING IN THIS MODE CATALYTIC OXIDIZERS CANNOT BE USED BECAUSE THE CONTROL EQUIPMENT EXPERIENCES FOULING FROM SILOXANE WHICH IS A COMPONENT OF THE DIGESTER GAS.

Process: E08 is located at Building GENBLDG - COMBUSTION OF NATURAL GAS IN ENGINES TO PRODUCE ELECTRICITY. DISTILLATE FUEL OIL IS USED AS A PILOT FUEL AT A RATIO OF APPROXIMATELY 1.5%.

Process: E09 is located at Building GENBLDG - COMBUSTION OF DISTILLATE FUEL OIL IN ENGINE TO PRODUCE ELECTRICITY. THIS FUEL MODE IS ONLY UTILIZED DURING FUEL SWITCHES, TESTING, PREVENTIVE MAINTENANCE, REPAIRS AND EMERGENCIES.

Process: E10 is located at Building GENBLDG - COMBUSTION OF DIGESTER GAS IN ENGINES TO PRODUCE ELECTRICITY. DISTILLATE FUEL OIL IS USED AS A PILOT FUEL AT A RATIO OF APPROXIMATELY 1.5%. WHEN OPERATING IN THIS MODE CATALYTIC OXIDIZERS CANNOT BE USED BECAUSE THE CONTROL EQUIPMENT EXPERIENCES FOULING FROM SILOXANE WHICH IS A COMPONENT OF THE DIGESTER GAS.

Process: E11 is located at Building GENBLDG - COMBUSTION OF NATURAL GAS IN ENGINES TO PRODUCE ELECTRICITY. DISTILLATE FUEL OIL IS USED AS A PILOT FUEL AT A RATIO OF APPROXIMATELY 1.5%.

Process: E12 is located at Building GENBLDG - COMBUSTION OF DISTILLATE FUEL OIL IN ENGINE TO PRODUCE ELECTRICITY. THIS FUEL MODE IS ONLY UTILIZED DURING FUEL SWITCHES, TESTING, PREVENTIVE MAINTENANCE, REPAIRS AND EMERGENCIES.

Emission unit USCRUB - The plant employs thirteen scrubbers to control odors from the process operations. The scrubbers are all either vertical or horizontal packed-bed wet scrubbers. NaOH and NaOCl are continuously added to neutralize and oxidize the sulfur compounds.

Emission unit USCRUB is associated with the following emission points (EP): 00001, 00002, 00003, 00004, 00005, 00019, 00020, 00021, 00022, 00027, 00028, 00029, 00030

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

Process: P01 is located at Building THICKENBLD - THE DISSOLVED AIR FLOTATION SLUDGE THICKENERS ARE USED IN THE SLUDGE THICKENING PROCESS. TWO SCRUBBERS ARE USED FOR THIS PROCESS AND ARE VENTED TO THE SAME EMISSION POINT.

Process: P02 is located at Building GRITBLD - THE GRIT CHAMBERS ARE UTILIZED IN THE GRIT REMOVAL PROCESS. TWO SCRUBBERS ARE USED FOR THIS PROCESS.

Process: P03 is located at Building INFBLD - THE INFLUENT SCREENING CHANNELS AND THE INFLUENT GATE CHAMBER ARE A PART OF THE SCREENING PROCESS. ONE SCRUBBER IS USED FOR THIS PROCESS.

Process: P04 is located at Building PRIMBLD - THE PRIMARY SETTLING TANKS ARE USED IN THE PRIMARY SEDIMENTATION PROCESS. TWO SCRUBBERS ARE USED FOR THIS PROCESS.

Process: P05 is located at Building PRIMBLD - THE BELT FILTER PRESSES ARE UTILIZED IN THE SLUDGE DEWATERING PROCESS. TWO SCRUBBERS ARE USED FOR THIS PROCESS.

Process: P06 is located at Building INFBLD - THE AERATION PROCESS INCLUDES THE FOLLOWING ODOR CONTROLLED AREAS: FST INFLUENT CHANNEL, RAS LIFTS, AND RAS WET WELL WHICH ARE TREATED BY THE SCRUBBER FOR THE EMISSION POINT 00027.

Process: P07AERATION TANK #1 IS PART OF THE AERATION PROCESS AND IS COVERED TO MITIGATE ODOR ISSUES. ALL PROCESS AIR IS VENTED TO ODOR CONTROL

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SCRUBBERS.

Process: P08AERATION TANK #2 IS PART OF THE AERATION PROCESS AND IS COVERED TO MITIGATE ODOR ISSUES. ALL PROCESS AIR IS VENTED TO ODOR CONTROL SCRUBBERS.

Process: P09AERATION TANK #3 IS PART OF THE AERATION PROCESS AND IS COVERED TO MITIGATE ODOR ISSUES. ALL PROCESS AIR IS VENTED TO ODOR CONTROL SCRUBBERS.

Process: P10AERATION TANK #3 IS PART OF THE AERATION PROCESS AND IS COVERED TO MITIGATE ODOR ISSUES. ALL PROCESS AIR IS VENTED TO ODOR CONTROL SCRUBBERS.

Process: P11 is located at Building AERATKOCB - THE FOLLOWING ARE COVERED AREA SOURCES AND ARE PART OF THE AERATION PROCESS: AERATION TANK INFLUENT AND EFFLUENT CHANNELS.

Process: P12FINAL SEDIMENTATION TANK NO. 1 IS PART OF THE SECONDARY SEDIMENTATION PROCESS AND IS AN OPEN SOURCE.

Process: P13FINAL SEDIMENTATION TANK NO. 2 IS PART OF THE SECONDARY SEDIMENTATION PROCESS AND IS AN OPEN SOURCE.

Process: P14FINAL SEDIMENTATION TANK NO. 3 IS PART OF THE SECONDARY SEDIMENTATION PROCESS AND IS AN OPEN SOURCE.

Process: P15FINAL SEDIMENTATION TANK NO. 4 IS PART OF THE SECONDARY SEDIMENTATION PROCESS AND IS AN OPEN SOURCE.

Process: P16FINAL SEDIMENTATION TANK NO. 5 IS PART OF THE SECONDARY SEDIMENTATION PROCESS AND IS AN OPEN SOURCE.

Process: P17FINAL SEDIMENTATION TANK NO. 6 IS PART OF THE SECONDARY SEDIMENTATION PROCESS AND IS AN OPEN SOURCE.

Process: P18FINAL SEDIMENTATION TANK NO. 7 IS PART OF THE SECONDARY SEDIMENTATION PROCESS AND IS AN OPEN SOURCE.

Process: P19FINAL SEDIMENTATION TANK NO. 8 IS PART OF THE SECONDARY SEDIMENTATION PROCESS AND IS AN OPEN SOURCE.

Process: P20FINAL SEDIMENTATION TANK NO. 9 IS PART OF THE SECONDARY SEDIMENTATION PROCESS AND IS AN OPEN SOURCE.

Process: P21FINAL SEDIMENTATION TANK NO. 10 IS PART OF THE SECONDARY SEDIMENTATION PROCESS AND IS AN OPEN SOURCE.

Process: P22 is located at Building SCREENEXT - THE FINAL EFFLUENT SCREENING CHANNEL IS AN OPEN SOURCE WHICH IS COVERED BUT NOT ODOR CONTROLLED. IT IS INCLUDED IN THE SECONDARY PROCESS.

Process: P23AERATION TANK #5 IS PART OF THE AERATION PROCESS AND IS COVERED TO MITIGATE ODOR ISSUES. ALL PROCESS AIR IS VENTED TO ODOR CONTROL SCRUBBERS.

**Title V/Major Source Status**

NASSAU COUNTY SD #2 BAY PARK STP is subject to Title V requirements. This determination is based on the following information:

NOx emissions.

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**Program Applicability**

The following chart summarizes the applicability of NASSAU COUNTY SD #2 BAY PARK STP with regards to the principal air pollution regulatory programs:

| <b>Regulatory Program</b>      | <b>Applicability</b> |
|--------------------------------|----------------------|
| PSD                            | YES                  |
| 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

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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 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.

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| SIC Code | Description      |
|----------|------------------|
| 4952     | SEWERAGE SYSTEMS |

### SCC Codes

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

| SCC Code    | Description   |
|-------------|---|
| 3-01-820-02 | CHEMICAL MANUFACTURING<br>CHEMICAL MANUFACTURING - WASTEWATER AGGREGATE<br>WASTEWATER TREATMENT   |
| 1-03-007-01 | EXTERNAL COMBUSTION BOILERS -<br>COMMERCIAL/INDUSTRIAL<br>COMMERCIAL/INSTITUTIONAL BOILER - PROCESS GAS<br>POTW DIGESTER GAS-FIRED BOILER                       |
| 1-02-005-02 | EXTERNAL COMBUSTION BOILERS - INDUSTRIAL<br>INDUSTRIAL BOILER - DISTILLATE OIL<br>10-100MMBTU/HR **   |
| 1-02-006-02 | EXTERNAL COMBUSTION BOILERS - INDUSTRIAL<br>INDUSTRIAL BOILER - NATURAL GAS<br>10-100 MMBtu/Hr  |
| 2-03-007-02 | INTERNAL COMBUSTION ENGINES -<br>COMMERCIAL/INSTITUTIONAL<br>COMMERCIAL/INSTITUTIONAL IC ENGINE - DIGESTER<br>GAS<br>RECIPROCATING IC ENGINE: POTW DIGESTER GAS |
| 2-01-001-02 | INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION<br>ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - DISTILLATE OIL<br>(DIESEL)<br>Reciprocating                  |
| 2-01-002-02 | INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION<br>ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - NATURAL<br>GAS<br>Reciprocating                              |

### 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

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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 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 Name                               | PTE    |                         |
|-------------|--|--------|-------------------------|
|             |  | lbs/yr | Range                   |
| 000076-13-1 | 1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON) |        | > 0 but < 2.5 tpy       |
| 000120-82-1 | 1,2,4-TRICHLOROBENZENE (HAP)                   |        | > 0 but < 10 tpy        |
| 000075-07-0 | ACETALDEHYDE (HAP)                             |        | > 0 but < 10 tpy        |
| 000107-02-8 | ACROLEIN (HAP)                                 |        | > 0 but < 10 tpy        |
| 000071-43-2 | BENZENE (HAP)                                  |        | > 0 but < 10 tpy        |
| 000098-06-6 | BENZENE, (1,1-DIMETHYLETHYL)-                  |        | > 0 but < 2.5 tpy       |
| 000135-98-8 | BENZENE, (1-METHYLPROPYL)-                     |        | > 0 but < 2.5 tpy       |
| 000095-63-6 | BENZENE, 1,2,4-TRIMETHYL-                      |        | > 0 but < 2.5 tpy       |
| 000108-67-8 | BENZENE, 1,3,5-TRIMETHYL-                      |        | > 0 but < 2.5 tpy       |
| 000106-46-7 | BENZENE, 1,4-DICHLORO- (HAP)                   |        | > 0 but < 10 tpy        |
| 000099-87-6 | BENZENE, 1-METHYL-4- (1-METHYLETHYL)-          |        | > 0 but < 2.5 tpy       |
| 000104-51-8 | BENZENE, BUTYL-                                |        | > 0 but < 2.5 tpy       |
| 000095-50-1 | BENZENE,1,2-DICHLORO- C6H4CL2                  |        | > 0 but < 2.5 tpy       |
| 000541-73-1 | BENZENE,1,3-DICHLORO- C6H4CL2                  |        | > 0 but < 2.5 tpy       |
| 000630-08-0 | CARBON MONOXIDE                                | 367800 |                         |
| 000108-90-7 | CHLOROBENZENE (HAP)                            |        | > 0 but < 10 tpy        |
| 000067-66-3 | CHLOROFORM (HAP)                               |        | > 0 but < 10 tpy        |
| 000075-09-2 | DICHLOROMETHANE (HAP)                          |        | > 0 but < 10 tpy        |
| 000156-59-2 | ETHENE, 1,2-DICHLORO-, (Z)-C2H2CL2             |        | > 0 but < 2.5 tpy       |
| 000100-41-4 | ETHYLBENZENE (HAP)                             |        | > 0 but < 10 tpy        |
| 000050-00-0 | FORMALDEHYDE (HAP)                             |        | > 0 but < 10 tpy        |
| 0NY100-00-0 | HAP  |        | >= 10 tpy but < 25 tpy  |
| 000087-68-3 | HEXACHLOROBUTADIENE (HAP)                      |        | > 0 but < 10 tpy        |
| 007439-92-1 | LEAD (HAP)                                     |        | > 0 but < 10 tpy        |
| 000074-87-3 | METHYL CHLORIDE (HAP)                          |        | > 0 but < 10 tpy        |
| 000091-20-3 | NAPHTHALENE (HAP)                              |        | > 0 but < 10 tpy        |
| 000103-65-1 | N-PROPYLBENZENE                                |        | > 0 but < 2.5 tpy       |
| 0NY210-00-0 | OXIDES OF NITROGEN                             | 488200 |                         |
| 000106-43-4 | PARA-CHLOROTOLUENE                             |        | > 0 but < 2.5 tpy       |
| 0NY075-00-0 | PARTICULATES                                   |        | >= 10 tpy but < 25 tpy  |
| 000127-18-4 | PERCHLOROETHYLENE (HAP)                        |        | > 0 but < 10 tpy        |
| 0NY075-00-5 | PM-10  |        | >= 2.5 tpy but < 10 tpy |
| 000078-87-5 | PROPANE, 1,2-DICHLORO (HAP)                    |        | > 0 but < 10 tpy        |
| 007446-09-5 | SULFUR DIOXIDE                                 |        | >= 10 tpy but < 25 tpy  |
| 000108-88-3 | TOLUENE (HAP)                                  |        | > 0 but < 10 tpy        |
| 012002-48-1 | TRICHLOROBENZENE C6H3CL3                       |        | > 0 but < 2.5 tpy       |
| 000079-01-6 | TRICHLOROETHYLENE (HAP)                        |        | > 0 but < 10 tpy        |
| 0NY998-00-0 | VOC  | 139000 |                         |
| 001330-20-7 | XYLENE, M, O & P MIXT. (HAP)                   |        | > 0 but < 10 tpy        |

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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**Item A:            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 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 B:            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 C:            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 D:            Certification by a Responsible Official - 6 NYCRR Part**

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**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 E:                    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 F:                    Permit Revocation, Modification, Reopening, Reissuance or 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 G:                    Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 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 H:                    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 I:                    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 J:                    Permit Shield - 6 NYCRR Part 201-6.5(g)**

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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 K:                    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:

- 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.

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

All terms and conditions in this permit required by the Act or any

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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 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**

| <b>Location<br/>Facility/EU/EP/Process/ES</b> | <b>Regulation</b>           | <b>Short Description</b>   | <b>Condition</b> |
|---|-----------------------------|--|------------------|
| FACILITY                                      | ECL 19-0301                 | Powers and Duties of the Department with respect to air pollution control                        | 52               |
| FACILITY                                      | 40CFR 52-A.21               | Prevention of Significant Deterioration  | 27, 28, 33, 34   |
| U-BOILR FACILITY                              | 40CFR 60-A<br>40CFR 60-A.11 | General provisions - General provisions - compliance with standards and maintenance requirements | 45<br>37         |
| U-BOILR                                       | 40CFR 60-A.11 (d)           | General provisions - compliance with standards and maintenance requirements                      | 46               |
| FACILITY                                      | 40CFR 60-A.12               | General provisions -   | 38               |

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|          |                          |  |                        |
|----------|--------------------------|--|------------------------|
|          |                          | Circumvention  |                        |
| FACILITY | 40CFR 60-A.4             | General provisions - Address   | 35                     |
| FACILITY | 40CFR 60-A.7(b)          | Notification and Recordkeeping   | 36                     |
| U-BOILR  | 40CFR 60-Dc.40c          | Steam generators 10-100 million Btu per hour                               | 47                     |
| U-BOILR  | 40CFR 60-Dc.42c(d)       | Standard for Sulfur Dioxide Firing Oil. (see narrative)                    | 48                     |
| U-BOILR  | 40CFR 60-Dc.42c(i)       | Standard for Sulfur Dioxide Period of Requirements.                        | 49                     |
| U-BOILR  | 40CFR 60-Dc.43c(c)       | Standard for Opacity.  | 50                     |
| FACILITY | 40CFR 68                 | Chemical accident prevention provisions                                    | 22                     |
| FACILITY | 40CFR 82-F               | Protection of Stratospheric Ozone - recycling and emissions reduction      | 23                     |
| FACILITY | 6NYCRR 200.6             | Acceptable ambient air quality.  | 1                      |
| FACILITY | 6NYCRR 200.7             | Maintenance of equipment.  | 10                     |
| FACILITY | 6NYCRR 201-1.4           | Unavoidable noncompliance and violations                                   | 53                     |
| FACILITY | 6NYCRR 201-1.7           | Recycling and Salvage  | 11                     |
| FACILITY | 6NYCRR 201-1.8           | Prohibition of reintroduction of collected contaminants to the air         | 12                     |
| FACILITY | 6NYCRR 201-3.2(a)        | Exempt Activities - Proof of eligibility                                   | 13                     |
| FACILITY | 6NYCRR 201-3.3(a)        | Trivial Activities - proof of eligibility                                  | 14                     |
| FACILITY | 6NYCRR 201-6             | Title V Permits and the Associated Permit Conditions                       | 24, 39, 40             |
| FACILITY | 6NYCRR 201-6.5(a)(4)     | General conditions   | 15                     |
| FACILITY | 6NYCRR 201-6.5(a)(7)     | General conditions   | 15                     |
| Fees 2   |                          |  |                        |
| FACILITY | 6NYCRR 201-6.5(a)(8)     | General conditions   | 16                     |
| FACILITY | 6NYCRR 201-6.5(c)        | Permit conditions for Recordkeeping and Reporting of Compliance Monitoring | 3                      |
| FACILITY | 6NYCRR 201-6.5(c)(2)     | Permit conditions for Recordkeeping and Reporting of Compliance Monitoring | 4                      |
| FACILITY | 6NYCRR 201-6.5(c)(3)     | Permit conditions for Recordkeeping and Reporting of Compliance Monitoring | 25                     |
| FACILITY | 6NYCRR 201-6.5(c)(3)(ii) | Permit conditions for Recordkeeping and Reporting of Compliance Monitoring | 5                      |
| FACILITY | 6NYCRR 201-6.5(d)(5)     | Compliance schedules   | 17                     |
| FACILITY | 6NYCRR 201-6.5(e)        | Compliance Certification   | 6                      |
| FACILITY | 6NYCRR 201-6.5(f)(6)     | Off Permit Changes   | 18                     |
| FACILITY | 6NYCRR 201-7             | Federally Enforceable Emissions Caps                                       | 26, 27, 28, 29, 41, 42 |



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|          |                      |                           |        |
|----------|----------------------|---------------------------|--------|
| FACILITY | 6NYCRR 202-1.1       | Required emissions tests. | 19, 30 |
| FACILITY | 6NYCRR 202-2.1       | Emission Statements -     | 7      |
|          |                      | Applicability             |        |
| FACILITY | 6NYCRR 202-2.5       | Emission Statements -     | 8      |
|          |                      | record keeping            |        |
|          |                      | requirements.             |        |
| FACILITY | 6NYCRR 211.2         | General Prohibitions -    | 54     |
|          |                      | air pollution             |        |
|          |                      | prohibited.               |        |
| FACILITY | 6NYCRR 211.3         | General Prohibitions -    | 20, 21 |
|          |                      | visible emissions         |        |
|          |                      | limited                   |        |
| FACILITY | 6NYCRR 215           | Open Fires                | 9      |
| FACILITY | 6NYCRR 225-1.2(a)(2) | Sulfur in Fuel            | 31     |
|          |                      | Limitations Post          |        |
|          |                      | 12/31/87.                 |        |
| U-BOILR  | 6NYCRR 227-1.3       | Smoke Emission            | 43     |
|          |                      | Limitations.              |        |
| U-ENGIN  | 6NYCRR 227-1.3       | Smoke Emission            | 51     |
|          |                      | Limitations.              |        |
| U-BOILR  | 6NYCRR 227-2.4(d)    | RACT for Oxides of        | 44     |
|          |                      | Nitrogen - small          |        |
|          |                      | boilers.                  |        |
| FACILITY | 6NYCRR 227-2.4(f)(2) | Emission limits for lean  | 32     |
|          |                      | burn engines.             |        |
| FACILITY | 6NYCRR 231-1         | Requirements for emission | 29, 55 |
|          |                      | sources subject to the    |        |
|          |                      | regulations prior to      |        |
|          |                      | 11/15/92                  |        |

Applicability Discussion:

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

ECL 19-301.

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.

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 201-1.4

This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable state enforceable emission standard that results

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from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

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 201-3.2(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 201-6

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 201-6.5(a)(4)

This mandatory requirement applies to all Title V facilities. It requires the

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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.

6NYCRR 201-6.5(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.

6NYCRR 201-6.5(a)(8)

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

6NYCRR Part 201-6.5(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.

6NYCRR Part 201-6.5(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.

6NYCRR Part 201-6.5(c)(3)

This regulation specifies that the permit incorporate all reporting requirements associated with an applicable federal rule, the submittal of any required monitoring reports at least every 6 months, and 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(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.

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6NYCRR 201-6.5(d)(5)

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.

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 201-6.5(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.

6NYCRR Part 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.

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.

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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, NASSAU COUNTY SD #2 BAY PARK STP has been determined to be subject to the following regulations:

40CFR 52-A.21

This citation applies to facilities that are subject to Prevention of Significant Deterioration provisions; ie: facilities that are located in an attainment area and that emit pollutants which are listed in 40 CFR 52.21(b)(23)(i) .

40CFR 60-A

This regulation contains the General Provisions of 40 CFR 60. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements

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.11 (d)

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.

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40CFR 60-A.4

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

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-Dc.40c

This regulation requires the source owner or operator to comply with the applicable General Provisions of 40 CFR 60 Subpart Dc. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements.

40CFR 60-Dc.42c (d)

This regulation requires that on or after the date on which the initial performance test is completed or required to be completed under section 60.8 of 40 CFR 60 Subpart A, no owner or operator of an affected facility that combusts oil, shall combust oil with a sulfur content in excess of 0.5 percent by weight.

40CFR 60-Dc.42c (i)

This regulation requires that the sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations apply at all times, including periods of startup, shutdown, and malfunction.

40CFR 60-Dc.43c (c)

This regulation requires that on or after the date on which the initial performance test is completed or is required to be completed, an affected facility that combusts coal, wood, or oil and has a heat input of 30 million Btu per hour (8.7 MW) or greater, shall not cause any gases to be discharged to the atmosphere, that exhibit an opacity greater than 20% (based on a 6-minute average) or exceeds 27% for one 6-minute period per hour.

6NYCRR 201-7

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

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 227-1.3

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

6NYCRR 227-2.4 (d)

This rule specifies that the reasonably available control technology (RACT) requirement for small boilers

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(< or = 50 million BTUs/hr) at Title V facilities consists of an annual tune-up.

6NYCRR 227-2.4 (f) (2)

This citation sets emission limits of oxides of nitrogen for lean burn engines.

6NYCRR 231-1

a

**Compliance Certification**

Summary of monitoring activities at NASSAU COUNTY SD #2 BAY PARK STP:

| <b>Location<br/>Facility/EU/EP/Process/ES</b> | <b>Type of Monitoring</b>                                       | <b>Cond No.</b> |
|---|---|-----------------|
| FACILITY                                      | work practice involving specific operations                     | 33              |
| FACILITY                                      | work practice involving specific operations                     | 34              |
| U-BOILR                                       | work practice involving specific operations                     | 48              |
| U-BOILR                                       | monitoring of process or control device parameters as surrogate | 50              |
| FACILITY                                      | record keeping/maintenance procedures                           | 25              |
| FACILITY                                      | record keeping/maintenance procedures                           | 5               |
| FACILITY                                      | record keeping/maintenance procedures                           | 6               |
| FACILITY                                      | work practice involving specific operations                     | 27              |
| FACILITY                                      | work practice involving specific operations                     | 28              |
| FACILITY                                      | work practice involving specific operations                     | 29              |
| FACILITY                                      | record keeping/maintenance procedures                           | 7               |
| FACILITY                                      | monitoring of process or control device parameters as surrogate | 21              |
| FACILITY                                      | work practice involving specific operations                     | 31              |
| U-BOILR                                       | record keeping/maintenance procedures                           | 43              |
| U-ENGIN                                       | record keeping/maintenance procedures                           | 51              |
| U-BOILR                                       | record keeping/maintenance procedures                           | 44              |
| FACILITY                                      | record keeping/maintenance procedures                           | 32              |
| FACILITY                                      | work practice involving specific operations                     | 55              |

**Basis for Monitoring**

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