New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 1-4738-03119/00004
03/02/2009

Facility Identification Data
Name: GREENPORT GENERATING FACILITY
Address: 1885 MOORES LN|SCTM # 1001-40-4-1.1
GREENPORT, NY 11944

Owner/Firm
Name: HAWKEYE ENERGY GREENPORT LLC
Address: 2 ACCESS RD
PATCHOGUE, NY 11772, USA
Owner Classification: Corporation/Partnership

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Permit Description

Introduction

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

Summary Description of Proposed Project
The facility has two 27 MW Pratt & Whitney FT8 simple cycle combustion turbine with ancillary support equipment to help meet the need for additional generating capacity and to improve system reliability on Long Island. The turbines are fired on low-sulfur (0.05%) distillate fuel. Distillate oil is stored onsite in two 150,000 gallon storage tanks.

Attainment Status
GREENPORT GENERATING FACILITY is located in the town of SOUTHOLD in the county of SUFFOLK. The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

Criteria Pollutant	Attainment Status
Particulate Matter (PM)	ATTAINMENT
Particulate Matter < 10µ in diameter (PM10)	ATTAINMENT
Sulfur Dioxide (SO2)	ATTAINMENT
Ozone*	SEVERE NON-ATTAINMENT
Oxides of Nitrogen (NOx)**	ATTAINMENT
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 has two 27 MW Pratt & Whitney FT8 simple cylce combustion turbines with ancillary support equipment to help meet the need for additional generating capacity and to improve system reliablity on Long Island. The turbines are fired on low-sulfur (0.05%) distillate fuel. Distillate oil is stored on site in two 150,000 gallon storage tanks. The facility operates as a peaking unit and receives dispatch instructions on a day-ahead basis from New York ISO.

Permit Structure and Description of Operations
The Title V permit for GREENPORT GENERATING FACILITY 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.

GREENPORT GENERATING FACILITY is defined by the following emission unit(s):
Emission unit U00001 - This emission unit contains two simple cycle combustion turbines, each capable of only firing distillate fuel oil. Emissions are controlled by a carbon monixide catalyst and by a SCR. Emissions are continuously monitored by a CEM unit.
Emission unit U00001 is associated with the following emission points (EP):
EP001
It is further defined by the following process(es):
Process: DFO is located at Building MAIN - Two simple cycle Pratt & Whitney FT8 combustion turbines, each firing distillate fuel oil with emissions controlled by staged combustion and selective catalytic reduction, carbon monoxide catalyst, and low sulfur distillate fuel oil. Turbines operate at 100% load or 50% load with one turbine in free gear. Emissions are continuously monitored by a CEM.

Title V/Major Source Status
GREENPORT GENERATING FACILITY is subject to Title V requirements. This determination is based on the following information:
The facility is subject to Title IV requirements because it has a generator with a nameplate capacity greater than 25 MWe, therefore it requires a Title V permit.

Program Applicability
The following chart summarizes the applicability of GREENPORT GENERATING FACILITY 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	YES
TITLE V	YES

TITLE VI	NO
RACT	NO
SIP	YES

NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

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

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

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

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

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

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

RACT Reasonably Available Control Technology (6 NYCRR Parts 212.10, 226, 227-2, 228, 229, 230, 232, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

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

Compliance Status
Facility is in compliance with all requirements

SIC Codes

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

SIC Code	Description
4911	ELECTRIC SERVICES

SCC Codes

SCC or Source Classification Code is a code developed and used" by the USEPA to categorizeprocesses 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
2-01-001-01	INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - DISTILLATE OIL (DIESEL) Turbine

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Series code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant , including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount or material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE Range represents an emission range for a contaminant. Any PTE quantity that is displayed represents a facility-wide emission cap or limitation for that contaminant. If no PTE quantity is displayed, the PTE Range is provided to indicate the approximate magnitude of facility-wide emissions for the specified contaminant in terms of tons per year (tpy). The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS 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	PTE Range
000106-99-0	1,3-BUTADIENE		> 0 but < 10 tpy
007664-41-7	AMMONIA		>= 50 tpy but < 100 tpy
007440-38-2	ARSENIC		> 0 but < 10 tpy
000071-43-2	BENZENE		> 0 but < 10 tpy
007440-41-7	BERYLLIUM		> 0 but < 10 tpy
007440-43-9	CADMIUM		> 0 but < 10 tpy
000630-08-0	CARBON MONOXIDE		>= 10 tpy but < 25 tpy
007440-47-3	CHROMIUM		> 0 but < 10 tpy
000050-00-0	FORMALDEHYDE		> 0 but < 10 tpy
0NY100-00-0	HAP		> 0 but < 2.5 tpy
007439-92-1	LEAD		> 0 but < 10 tpy
007439-96-5	MANGANESE		> 0 but < 10 tpy
007439-97-6	MERCURY		> 0 but < 10 tpy
000091-20-3	NAPHTHALENE		> 0 but < 10 tpy
007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS		> 0 but < 10 tpy
0NY210-00-0	OXIDES OF NITROGEN		>= 10 tpy but < 25 tpy
0NY075-00-0	PARTICULATES		>= 50 tpy but < 100 tpy
0NY075-00-5	PM-10		>= 50 tpy but < 100 tpy
130498-29-2	POLYCYCLIC AROMATIC HYDROCARBONS		> 0 but < 10 tpy
007782-49-2	SELENIUM		> 0 but < 10 tpy
007704-34-9	SULFUR		>= 10 tpy but < 25 tpy
007446-09-5	SULFUR DIOXIDE		>= 40 tpy but < 50 tpy
0NY998-00-0	VOC		> 0 but < 2.5 tpy

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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** 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 - 6NYCRR** Part 201-6.5(a)(5)
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item 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)**

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.

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 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

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description
FACILITY		58	Powers and Duties of the Department with respect to air pollution control
FACILITY	40CFR 60-A.12	46	General provisions - Circumvention
FACILITY	40CFR 60-A.13	47	General provisions - Monitoring requirements
FACILITY	40CFR 60-A.14	48	General provisions - Modification
FACILITY	40CFR 60-A.15	49	General provisions - Reconstruction
FACILITY	40CFR 60-A.4	41	General provisions - Address
FACILITY	40CFR 60-A.7(a)	42	Notification and Recordkeeping
FACILITY	40CFR 60-A.7(b)	43	Notification and Recordkeeping
FACILITY	40CFR 60-A.7(c)	44	Notification and Recordkeeping
FACILITY	40CFR 60-A.7(f)	45	Notification and Recordkeeping
FACILITY	40CFR 60-GG.334(a)	50	Monitoring of Operations for Turbines Employing Water Injection to Control NOx
FACILITY	40CFR 60-GG.334(b)	51	Monitoring of Operations: CEMS
FACILITY	40CFR 68	20	Chemical accident prevention provisions
FACILITY	40CFR 72	52	
FACILITY	40CFR 82-F	21	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.6	1	Acceptable ambient air quality.
FACILITY	6NYCRR 200.7	9	
FACILITY	6NYCRR 201-1.4	59	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	10	
FACILITY	6NYCRR 201-1.8	11	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.2(a)	12	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3(a)	13	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-5	60, 61, 62, 63, 64, 65, 66, 67	State Facility

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FACILITY	6NYCRR 201-6	22, 23, 24, 53, 54	General Provisions Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.5(a)(4)	14	
FACILITY	6NYCRR 201-6.5(a)(7)	2	
FACILITY	6NYCRR 201-6.5(a)(8)	15	
FACILITY	6NYCRR 201-6.5(c)	3	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5(c)(2)	4	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5(c)(3)(ii	5	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5(d)(5)	16	
FACILITY	6NYCRR 201-6.5(e)	25	
FACILITY	6NYCRR 201-6.5(f)(6)	17	
FACILITY	6NYCRR 201-7	26, 55, 56	Federally Enforceable Emissions Caps
FACILITY	6NYCRR 202-1.1	18	
FACILITY	6NYCRR 202-2.1	6	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	7	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 204-1.6	27	
FACILITY	6NYCRR 204-2.1	28	Authorization and Responsibilities of the NOx Authorized Account Representative
FACILITY	6NYCRR 204-4.1	29, 30	Compliance Certification Report
FACILITY	6NYCRR 204-7.1	31	Submission of NOx Allowance Transfers
FACILITY	6NYCRR 204-8.1	32, 33	
FACILITY	6NYCRR 204-8.2	34	Initial Certification and Recertification Procedures
FACILITY	6NYCRR 204-8.3	35	
FACILITY	6NYCRR 204-8.4	36	
FACILITY	6NYCRR 204-8.5	37	Recordkeeping and Reporting
FACILITY	6NYCRR 204-8.7	38	Additional Requirements to Provide Heat Input Data for Allocations Purposes
FACILITY	6NYCRR 211.2	68	General Prohibitions - air pollution prohibited.
FACILITY	6NYCRR 211.3	19	General Prohibitions - visible emissions limited
FACILITY	6NYCRR 215	8	
FACILITY	6NYCRR 227.2(b)(1)	40	
U-00001/EP001/DFO	6NYCRR 227-1.3	57	Smoke Emission Limitations.
FACILITY	6NYCRR 227-1.3(a)	39	Smoke Emission Limitations.
FACILITY	6NYCRR 227-2	26	Reasonably available control technology for NOx
FACILITY	6NYCRR 231-2	26	New Source Review in Nonattainment Areas and Ozone Transport Region
FACILITY	6NYCRR 237-1.4(a)	69	Generators equal to or greater than 25 MWe
FACILITY	6NYCRR 237-1.6(a)	70	Standard permit

			requirements
FACILITY	6NYCRR 237-1.6(c)	71	Nitrogen oxides requirements
FACILITY	6NYCRR 237-1.6(e)	72	Recordkeeping and reporting requirements
FACILITY	6NYCRR 237-1.6(f)	73	
FACILITY	6NYCRR 237-1.6(g)	74	Effect on other authorities
FACILITY	6NYCRR 237-2	75	NOx Athorized account representative for NOx budget sources
FACILITY	6NYCRR 237-4.1	76	Compliance certification report.
FACILITY	6NYCRR 237-7.1	77	Submission of NOx allowance transfers
FACILITY	6NYCRR 237-8	78	MONITORING AND REPORTING
FACILITY	6NYCRR 238-1.6(a)	79	
FACILITY	6NYCRR 238-1.6(c)	80	Sulfur Dioxide requirements
FACILITY	6NYCRR 238-1.6(e)	81	Recordkeeping and Reporting Requirements
FACILITY	6NYCRR 238-1.6(f)	82	
FACILITY	6NYCRR 238-1.6(g)	83	Effect on Other Authorities
FACILITY	6NYCRR 238-2.1	84	Authorization/responsibilities of the authorized account representative
FACILITY	6NYCRR 238-4.1	85	Compliance certification report
FACILITY	6NYCRR 238-7.1	86	Submission of SO2 allowance transfers
FACILITY	6NYCRR 238-8	87	

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 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 201-5
This regulation applies to those permit terms and conditions which are not federally enforceable. It specifies the applicability criteria for state facility permits, the information to be included in all state facility permit applications as well as the permit content, terms of permit issuance, and sets guidelines for modifying state facility permits and allowing for operational flexibility. For permitting purposes, this rule specifies the need to list all emission units except those that are exempt or trivial pursuant to Subpart 201-3 in the permit application and provide a description of the emission unit's processes and products. Finally, this rule also provides the Department the authority to include this and any other information that it deems necessary to identify applicable Federal standards, recordkeeping and reporting requirements, and establish terms and conditions that will ensure compliance with the national ambient air quality standards.

6NYCRR Part 201-6
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 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)(ii)
This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6NYCRR 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.

40 CFR Part 68.
This Part lists the regulated substances and there 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, GREENPORT GENERATING FACILITY has been determined to be subject to the following regulations:

40CFR 60-A.12
This regulation prohibits an owner or operator from concealing emissions in violation of applicable standards by any means.

40CFR 60-A.13
This regulation specifies how monitoring shall be performed and which methods and appendices are used to determine if the monitoring is adequate and in compliance with the regulated standards.

40CFR 60-A.14
This regulation defines the term modification and what is and is not considered to be a modification, for the purpose of rule applicability.

40CFR 60-A.15
This regulation defines the term reconstruction and what is and is not considered to be a reconstruction project, for the purpose of rule applicability.

40CFR 60-A.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 (a)
This regulation requires any owner or operator subject to a New Source Performance Standard (NSPS) to furnish the Administrator with notification of the dates of: construction or reconstruction, initial startup, any physical or operational changes, commencement of performance testing for continuous monitors and anticipated date for opacity observations as required.

40CFR 60-A.7 (b)
This regulation requires the owner or operator to maintain records of the occurrence and duration of any startup, shutdown, or malfunction of the source or control equipment or continuous monitoring system.

40CFR 60-A.7 (c)
This requirement details the information to be submitted in excess emissions and monitoring systems performance reports which must be submitted at least semi-annually for sources with compliance monitoring systems.

40CFR 60-A.7 (f)
This condition specifies requirements for maintenance of files of all measurements, including continuous monitoring system (CMS), monitoring device, and performance testing measurements; all CMS performance evaluations; all CMS or monitoring device calibration checks; adjustments and maintenance performed on

these systems or devices for at least two years.

40CFR 60-GG.334 (a)
This regulation requires the owner or operator of any stationary gas turbine subject to the provisions of 40CFR60 Subpart GG that is using water injection to control NOx emissions to install and operate a continuous monitoring system to monitor and record fuel consumption and the ratio of water to fuel fired in the turbine

40CFR 60-GG.334 (b)
This regulation allows the owner/operator of a gas turbine to use a CEMS to monitor NOx emissions instead of monitoring fuel and water/steam usage.

40CFR 72
In order to reduce acid rain the the U.S. and Canada, Title IV of the Clean Air Act Amendments of 1990 requires the establishment of a program to reduce emissions of SO2 and NOx (sulfer dioxide and oxides of nitrogen). Fossil fuel burning electric utility companies are a major source of these contaminants in the US. These sources where regulated in a phased approach. Phase I, which began in 1995, requires 110 of the higher-emitting utility plants in the eastern and Midwest states to meet intermediate SO2 emission limitations. Phase II, which began in 2000, tightens the emission limitations and expands the coverage to most fossil fuel burning utilities. The utilities are given "allowances" which is a limited authorization to emit one ton of SO2. The utilities are required to limit SO2 emissions to the number of allowances they hold. Some can benefit however by reducing their emissions and selling their excess allowances. Part 72 contains the means of implementing this portion of Title IV of the Clean Air Act.

6NYCRR 201-7
This regulation sets forth an emission cap that cannot be exceeded by the facility. In this permit that cap is 22.5 tons per year on NOx emissions. This requires the facility to limit NOx emissions to no greater than 22.5 tons per year (actual emissions thershold is 25 tons per year or greater to be applicable to 231-2 regulations for this facility) from both low sulfur distillate fuel oil and natural gas firing totaled together.

6NYCRR 204-1.6
This condition requires the designated representative of the permittee to make submissions for the NOx Bugdet Program. The Program is designed to mitigate the interstate transport of ground level ozone and nitrogen oxides, a ground level ozone precursor.

6NYCRR 204-2.1
This condition states the submission requirements for the NOx Budget Trading Program. The Program is designed to mitigate the interstate transport of ground level ozone and nitrogen oxides, a ground level ozone precursor.

6NYCRR 204-4.1
This condition covers the compliance certification report requirements for the NOx Budget Program.

6NYCRR 204-7.1
This condition lists the requirements for transfer of allowances in the NOx Budget Program.

6NYCRR 204-8.1
This condition lists the general requirements for the NOx Budget trading program. They include, but are not limited to monitoring requirements, certification, record keeping and reporting.

6NYCRR 204-8.2

This condition covers the procedures for initially certifying and recertifying the monitoring systems of the unit meet the requirements of the NOx Budget Program

6NYCRR 204-8.3
This condition states the requirements for data substitution during times when the monitoring systems to not meet applicable quality assurance requirements.

6NYCRR 204-8.4
This condition lists the addresses where monitoring plans and their modifications, compliance certifications, recertifications, quarterly QA/QC reports and petitions for alternative monitoring shall be sent.

6NYCRR 204-8.5
This condition requires the authorized account representative to submit the required report within 30 days after the quarter perios has ended.

6NYCRR 204-8.7
This condition is a requirement for monitoring and reporting if a particular monitoring scenario is utilitzed.

6NYCRR 227 .2 (b) (1)
This regulation is from the 1972 version of Part 227 and still remains as part of New York's SIP. The rule establishes a particulate limit of 0.10 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

6NYCRR 227-1.3
This regulation requires a limitation and compliance monitoring for opacity from a stationary combustion installation.

6NYCRR 227-1.3 (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.

6NYCRR 227-2
This regulation limits the emission of oxides of nitrogen (NOx) from stationary combustion installations (boilers, combustion turbines and internal combustion engines).

6NYCRR 231-2
The provisions of Subpart 231-2 apply to new or modified major facilities. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. In addition, particulate matter less than 10 microns in size (PM-10) is a non-attainment contaminant in Manhattan County.

This regulation specifies the requirements under the federal NSR program. In order to avoid NSR requirements, the facility has agreed to accept a permit condition limiting the emissions of NOx thus capping out of this requirement.

6NYCRR 237-1.4 (a)

This condition specifies that any emission unit or facility with a unit; that at any time on or after January 1, 1999, serves a generator with a nameplate capacity equal to or greater than 25 MWe, and sells any amount of electricity, is a NOx budget unit and subject to the requirements of NYCRR 237

6NYCRR 237-1.6 (a)
This conditon requires the applicant to submit a NOx budget application for a permit and to operate in compliance with that permit.

6NYCRR 237-1.6 (c)
This subdivision outlines the standard requirements of the Acid Deposition Reduction NOx Budget Trading Program for oxides of nitrogen.

6NYCRR 237-1.6 (e)
This requires the owners and operators of the NOx budget source and each NOx budget unit at the source to keep pertinent documents at the site for a period of 5 years; and lists which documents are pertinent.

6NYCRR 237-1.6 (f)
This describes the liability issues regurding the requirements of the ADR NOx Budget Trading Program .

6NYCRR 237-1.6 (g)
This item states that no provision of the ADR NOx Budget Trading Program, a NOx budget permit application, or a NOx budget permit, will exempt or exclud the owners and operators from compliance with any other provisions of applicable State and federal law and regulations.

6NYCRR 237-2
This condition requires the permittee to select and authorize one person to manage, and represent the owners of any NOx budget unit; and specifies the responsibilities of this NOx authorized account representative

6NYCRR 237-4.1
This item specifies the requirments of the compliance certification report.

6NYCRR 237-7.1
This item specifies what information and actions are necesary in order to record the transfer of NOx allowances. t

6NYCRR 237-8
This item requires the owners and operators of a NOx budget unit to comply with the monitoring and reporting requirements of 6 NYCRR 237-8 and Subpart H of 40 CFR part 75; and allows NOx budget units which are also NOx budget units under 6 NYCRR Part 204 to be summarily referenced in order to demonstrate compliance with the requirements of this item.

6NYCRR 238-1.6 (a)
This conditon requires the applicant to submit a SO2 budget application for a permit and to operate in compliance with that permit.

6NYCRR 238-1.6 (c)
This Item requires the owners and operators of each SO2 budget source and each SO2 budget unit to hold SO2 allowances available for compliance deductions under 6 NYCRR 238-6.5; and how such allowances will be managed.

6NYCRR 238-1.6 (e)
This item requires the owners and operators of the SO2 budget source to keep on site at the source pertinent documents for a period of 5 years from the date the document is created.

6NYCRR 238-1.6 (f)
This subdivision outlines the liability of an affected source.

6NYCRR 238-1.6 (g)
This subdivision outlines the liability of an affected source as subject to other requirements.

6NYCRR 238-2.1
This section outlines the authorization and responsibilities of the SO2 authorized account representative.

6NYCRR 238-4.1
This section lists all of the requirements for the submission of the compliance certification report.

6NYCRR 238-7.1
This section outlines the requirements for the submission of SO2 allowance transfers.

6NYCRR 238-8
This condition requires the owner or operator of the facility to comply with the reporting and record keeping requirements of 40 CFR Part 75.

Compliance Certification
Summary of monitoring activities at GREENPORT GENERATING FACILITY:

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring
FACILITY	44	record keeping/maintenance procedures
FACILITY	50	record keeping/maintenance procedures
FACILITY	60	monitoring of process or control device parameters as surrogate
FACILITY	61	monitoring of process or control device parameters as surrogate
FACILITY	62	continuous emission monitoring (cem)
FACILITY	63	continuous emission monitoring (cem)
FACILITY	64	continuous emission monitoring (cem)
FACILITY	65	continuous emission monitoring (cem)
FACILITY	66	continuous emission monitoring (cem)
FACILITY	67	continuous emission monitoring (cem)
FACILITY	23	record keeping/maintenance procedures
FACILITY	24	work practice involving specific operations
FACILITY	5	record keeping/maintenance procedures
FACILITY	25	record keeping/maintenance procedures
FACILITY	26	continuous emission monitoring (cem)

FACILITY	6	record keeping/maintenance procedures
FACILITY	30	record keeping/maintenance procedures
FACILITY	36	record keeping/maintenance procedures
FACILITY	37	record keeping/maintenance procedures
FACILITY	38	record keeping/maintenance procedures
FACILITY	40	intermittent emission testing
U-00001/EP001/DFO	57	record keeping/maintenance procedures
FACILITY	39	monitoring of process or control device parameters as surrogate
FACILITY	71	record keeping/maintenance procedures
FACILITY	76	record keeping/maintenance procedures
FACILITY	78	record keeping/maintenance procedures
FACILITY	80	record keeping/maintenance procedures
FACILITY	81	record keeping/maintenance procedures
FACILITY	85	record keeping/maintenance procedures

Basis for Monitoring

For 201-5 conditions. These conditions are specifically for the Pratt & Whitney turbines the facility uses to generate electricity. These conditions are based submitted reports of the turbines performance. This information was presented to the permit writer for analysis and then used as the basis for the required monitoring. These specifically limit Oxides of Nitrogen (NOx), Carbon Monoxide (CO) and Ammonia (NH3) emissions and start-up and shut-down characteristics.

Condition 60 -Requires the facility to limit the start-up duration to a maximum of 30 minutes.

Condition 61 -Requires the facility to limit the shut-down duration to a maximum of 20 minutes. Requires the facility to limit Oxides of Nitrogen emissions to be 2.0 lbs or less during shutdown.

Condition 62 -Requires the facility to limit its Ammonia emissions per a volume limit.

Condition 63 - Requires the facility to limit Oxides of Nitrogen emissions to be 40.0 lbs or less during start down.

Condition 64 - Requires the facility to limit Oxides of Nitrogen mass limit for time periods of less than an hour.

Condition 65 - Requires the facility to limit its Oxide of Nitrogen emissions per a concentration limit.

Condition 66 - Requires the facility to limit Oxides of Nitrogen emissions to be 2.0 lbs or less during shutdown.

Condition 67 - Requires the facility to limit its Carbon Monoxide emissions.

For 201-6 conditions. These conditions limit any stationary source subject to a standard or limitation, or other requirement under the Federal Standards for a major facility. Specifically in this permit sulfur content and base load operating requirements.

Condition 23 - Requires that the combustion turbines to be operated at maximum load to achieve optimum efficiency.

Condition 24 - Requires that distillate oil to use at the facility shall contain no more than 0.05% sulfur. This also supersedes the 225 requirements for Fuel Composition and Use.

For 40 CFR 60-GG.334 (a) condition. This condition requires the facility to monitor the output of the water to fuel ratio using a Continuous Emission Monitor (CEMs) because they have selected using water (H2O) as a NOx emission reducer.