

**Division of Air Resources
Permit Review Report**

Permit ID: 6-2320-00018/00010

Renewal Number: 3

Modification Number: 1 03/02/2022

Facility Identification Data

Name: BEAVER FALLS LLC

Address: 9644 MAIN ST

BEAVER FALLS, NY 13305

Owner/Firm

Name: BEAVER FALLS, LLC

Address: 591 W PUTNAM AVE

GREENWICH, CT 06830, USA

Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:

Name: MOLLY L FARRELL

Address: NYSDEC - REGION 6

317 WASHINGTON ST

WATERTOWN, NY 13601

Phone:

Division of Air Resources:

Name: MARK P NOWAK

Address: NYSDEC - Region 6

317 Washington ST

Watertown, NY 13601

Phone:3157852513

Air Permitting Facility Owner Contact:

Name: K. Michael Mueller

Address: 9644 Main St

Beaver Falls, NY 13305

Phone:3153469121

**Permit Description
Introduction**

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

Summary Description of Proposed Project

This modification is for the removal of condition 90, which limits the operation of each emergency diesel generator to 30 mins per day. This condition was originally written to address concerns with the SO₂ NAAQS. The facility when first permitted was a PSD

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major for SO₂. However, since then the sulfur-in-fuel limit in 225-1 was lowered to 15 ppm and the facility is no longer major for SO₂ nor does it have the potential to cause an exceedance of the SO₂ NAAQS. Also, the facility has a total operations limit of 52 hours for these engines which limits the PTE for these sources. Therefore, based on these factors the 30-minute limit is no longer valid and can be removed from the permit. Removal of this limit will not result in an increase in the PTE of the facility.

Attainment Status

BEAVER FALLS LLC is located in the town of CROGHAN in the county of LEWIS. 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 (SO ₂)	ATTAINMENT
Ozone*	TRANSPORT REGION (NON-ATTAINMENT)
Oxides of Nitrogen (NO _x)**	ATTAINMENT
Carbon Monoxide (CO)	ATTAINMENT

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

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

Facility Description:

This facility provides electricity to the NYISO. The combined cycle cogeneration facility consists of a Siemens V64.3 gas turbine, a heat recovery steam generator with duct burners, and air pollution control equipment. Also located at this facility are two emergency diesel generators and an auxiliary boiler equipped with flue gas recirculation for NO_x control.

Permit Structure and Description of Operations

The Title V permit for BEAVER FALLS LLC 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

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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.

BEAVER FALLS LLC is defined by the following emission unit(s):

Emission unit U00001 - A SIEMENS V64.3 GAS TURBINE, A HEAT RECOVERY STEAM GENERATOR WITH DUCT BURNERS, AND AIR POLLUTION CONTROL EQUIPMENT FOR COGENERATION OF ELECTRICITY AND THERMAL ENERGY.

Emission unit U00001 is associated with the following emission points (EP):
00001

Process: 101 is located at OPERATING FLOOR, Building GENBLDG - NO. 2 DISTILLATE FUEL OIL COMBUSTION IN THE GAS TURBINE WITHOUT SIMULTANEOUS OPERATION OF DUCT BURNER.

Process: 102 is located at OPERATING FLOOR, Building GENBLDG - NO. 2 DISTILLATE FUEL OIL COMBUSTION IN GAS TURBINE WITH SIMULTANEOUS OPERATION OF DUCT BURNER FIRING NATURAL GAS.

Process: 103 is located at OPERATING FLOOR, Building GENBLDG - NATURAL GAS COMBUSTION IN GAS TURBINE WITHOUT SIMULTANEOUS OPERATION OF DUCT BURNER.

Process: 104 is located at OPERATING FLOOR, Building GENBLDG - NATURAL GAS COMBUSTION IN GAS TURBINE AND DUCT BURNER SIMULTANEOUSLY.

Process: 108 is located at OPERATING FLOOR, Building GENBLDG - THIS PROCESS (108) ALLOWS FOR THE OPERATION OF THE EVAPORATIVE COOLER WHILE COMBUSTING FUEL IN THE GAS TURBINE WITH/WITHOUT SIMULTANEOUS OPERATION OF DUCT BURNER.

Emission unit U00004 - AUXILIARY BOILER WITH FLUE GAS RECIRCULATION FOR CONTROL OF NOX EMISSIONS. THIS BOILER IS USED FOR GENERATION OF THERMAL ENERGY.

Process: 401 is located at OPERATING FLOOR, Building GENBLDG - NATURAL GAS COMBUSTION IN THE AUXILIARY BOILER.

Emission unit U00002 - TWO EMERGENCY DIESEL POWERED GENERATORS. THE EMISSION

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LIMITS (LBS/HR) IN THIS APPLICATION ARE FOR OPERATION OF ONE EMERGENCY DIESEL GENERATOR.

Emission unit U00002 is associated with the following emission points (EP):
00002, 00003, 00004

Process: 201 is located at OPERATING FLOOR, Building GENBLDG - DISTILLATE FUEL OIL COMBUSTION IN THE EMERGENCY DIESEL GENERATORS.

Title V/Major Source Status

BEAVER FALLS LLC is subject to Title V requirements. This determination is based on the following information:

This facility is a Major source of NO_x, CO and VOCs.

Program Applicability

The following chart summarizes the applicability of BEAVER FALLS LLC with regards to the principal air pollution regulatory programs:

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

NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52, 6 NYCRR 231-7, 231-8) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

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

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

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vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

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

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

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

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

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

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

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

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4911
4931

ELECTRIC SERVICES
ELEC & OTHER SERVICES COMBINED

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
1-02-006-02	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - NATURAL GAS 10-100 MMBtu/Hr
2-02-001-01	INTERNAL COMBUSTION ENGINES - INDUSTRIAL INDUSTRIAL INTERNAL COMBUSTION ENGINE - DISTILLATE OIL (DIESEL) Turbine
2-02-001-03	INTERNAL COMBUSTION ENGINES - INDUSTRIAL INDUSTRIAL INTERNAL COMBUSTION ENGINE - DISTILLATE OIL (DIESEL) Turbine: Cogeneration
2-02-002-01	INTERNAL COMBUSTION ENGINES - INDUSTRIAL INDUSTRIAL INTERNAL COMBUSTION ENGINE - NATURAL GAS Turbine
2-02-002-03	INTERNAL COMBUSTION ENGINES - INDUSTRIAL INDUSTRIAL INTERNAL COMBUSTION ENGINE - NATURAL GAS Turbine: Cogeneration
2-02-004-01	INTERNAL COMBUSTION ENGINES - INDUSTRIAL INDUSTRIAL INTERNAL COMBUSTION LARGE BORE ENGINE Diesel

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount of 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 for each contaminant that is displayed represents the facility-wide PTE in tons per year (tpy) or pounds per year (lbs/yr). In some instances the PTE represents a federally enforceable emissions cap or limitation for that contaminant. The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

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Cas No.	Contaminant	PTE lbs/yr	PTE tons/yr	Actual lbs/yr	Actual tons/yr
000630-08-0	CARBON MONOXIDE	249000			

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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

- Item B: Timely Application for the Renewal of Title V Permits -6 NYCRR Part 201-6.2(a)(4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

- Item C: Certification by a Responsible Official - 6 NYCRR Part 201-6.2(d)(12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

- Item D: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.4(a)(2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

- Item E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.4(a)(3)**
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

- Item F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4(a)(5)**
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

- Item G: Property Rights - 6 NYCRR 201-6.4(a)(6)**

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

Item H: Severability - 6 NYCRR Part 201-6.4(a)(9)

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item I: Permit Shield - 6 NYCRR Part 201-6.4(g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

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

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

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the 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.

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iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

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

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

Item K: Permit Exclusion - ECL 19-0305

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

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

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

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: Emergency Defense - 6 NYCRR 201-1.5

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

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner or

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operator can identify the cause(s) of the emergency;
 (2) The equipment at the permitted facility causing the emergency was at the time being properly operated and maintained;
 (3) During the period of the emergency the facility owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
 (4) The facility owner or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement. item_02

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

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

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

Regulatory Analysis

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description
-- FACILITY	ECL 19-0301	98	Powers and Duties of the Department with respect to air pollution control
FACILITY	40CFR 52-A.21	48, 49	Prevention of Significant Deterioration
U-00002	40CFR 52-A.21	92, 93, 94, 95	Prevention of Significant Deterioration
U-00001	40CFR 60-A.11	70	General provisions - compliance with standards and

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U-00001	40CFR 60-A.13	71	maintenance requirements
U-00001	40CFR 60-A.4	65	General provisions -
U-00001	40CFR 60-A.7 (b)	66	Monitoring requirements
FACILITY	40CFR 60-A.7 (c)	50	General provisions -
U-00001	40CFR 60-A.7 (d)	67	Address
U-00001	40CFR 60-A.7 (f)	68	Notification and Recordkeeping
U-00001	40CFR 60-A.9	69	Notification and Recordkeeping
U-00004	40CFR 60-Dc.48c (g)	96	Notification and Recordkeeping
U-00004	40CFR 60-Dc.48c (i)	97	General provisions -
U-00001	40CFR 60-GG.334 (b)	72	Availability of information
U-00001	40CFR 60-GG.334 (h) (3)	73	Reporting and Recordkeeping
FACILITY	40CFR 63-ZZZZ	51	Requirements.
FACILITY	40CFR 68	21	Reporting and Recordkeeping
FACILITY	40CFR 82-F	22	Requirements.
FACILITY	40CFR 97-AAAAA.406	52	Monitoring of Operations: CEMS
FACILITY	40CFR 97-BBBBB.506	53	Allowance not to monitor sulfur or nitrogen for natural gas
FACILITY	40CFR 97-CCCCC.606	54	Reciprocating Internal Combustion Engine (RICE) NESHAP
FACILITY	6NYCRR 200.6	1	Chemical accident prevention provisions
FACILITY	6NYCRR 200.7	10	Protection of Stratospheric Ozone -
FACILITY	6NYCRR 201-1.4	99, 1 -3	recycling and emissions reduction
FACILITY	6NYCRR 201-1.7	11	Transport Rule (TR)
FACILITY	6NYCRR 201-1.8	12	NOx Annual Trading Program Standard
			Requirments
			Transport Rule (TR)
			NOx Ozone Season Group 1 Trading Program Standard
			Requirment
			Transport Rule (TR)
			SO2 Group 1 Trading Program Standard
			Requirments
			Acceptable ambient air quality.
			Maintenance of equipment.
			Unavoidable noncompliance and violations
			Recycling and Salvage
			Prohibition of reintroduction of collected
			contaminants to the air

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FACILITY	6NYCRR 201-3.2 (a)	13, 14	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3 (a)	15, 16	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6	23, 55, 56	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.4 (a) (4)	17	General Conditions - Requirement to Provide Information
FACILITY	6NYCRR 201-6.4 (a) (7)	2	General Conditions - Fees
FACILITY	6NYCRR 201-6.4 (a) (8)	18	General Conditions - Right to Inspect
FACILITY	6NYCRR 201-6.4 (c)	3	Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.4 (c) (2)	4	Records of Monitoring, Sampling and Measurement
FACILITY	6NYCRR 201- 6.4 (c) (3) (ii)	5	Reporting Requirements - Deviations and Noncompliance
FACILITY	6NYCRR 201-6.4 (d) (4)	24	Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4 (e)	6	Compliance Certification
FACILITY	6NYCRR 201-6.4 (f)	1 -2	Operational Flexibility
FACILITY	6NYCRR 201-6.4 (f) (6)	19	Off Permit Changes
FACILITY	6NYCRR 201-6.5 (a)	1 -4	State Enforceable Requirements
FACILITY	6NYCRR 201-7	25, 57	Federally Enforceable Emissions Caps
FACILITY	6NYCRR 202-1.1	20	Required emissions tests.
FACILITY	6NYCRR 202-2.1	7	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	8, 1 -1	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.1	43	General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 211.2	100	General Prohibitions - visible emissions limited.
FACILITY	6NYCRR 215.2	9	Open Fires - Prohibitions
FACILITY	6NYCRR 225-1.2	44	Sulfur-in-Fuel Limitations
FACILITY	6NYCRR 225-1.2 (f)	45	Sulfur-in-Fuel Limitations
FACILITY	6NYCRR 225-1.6	46	Reports, Sampling, and Analysis
FACILITY	6NYCRR 227-1.2 (a)	47	Particulate Emissions from Liquid Fuels.
U-00001	6NYCRR 227-1.3 (a)	64	Smoke Emission Limitations.

Applicability Discussion:

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

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ECL 19-0301

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

6 NYCRR 200.6

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

6 NYCRR 200.7

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

6 NYCRR 201-1.4

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

6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

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

6 NYCRR 201-3.3 (a)

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

6 NYCRR Subpart 201-6

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

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6 NYCRR 201-6.4 (a) (4)

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

6 NYCRR 201-6.4 (a) (7)

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

6 NYCRR 201-6.4 (a) (8)

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

6 NYCRR 201-6.4 (c)

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

6 NYCRR 201-6.4 (c) (2)

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

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

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

6 NYCRR 201-6.4 (d) (4)

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

6 NYCRR 201-6.4 (e)

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

6 NYCRR 201-6.4 (f) (6)

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

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6 NYCRR 202-1.1

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

6 NYCRR 202-2.1

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

6 NYCRR 202-2.5

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

6 NYCRR 211.2

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

6 NYCRR 215.2

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

40 CFR Part 68

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

40 CFR Part 82, Subpart F

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

Facility Specific Requirements

In addition to Title V, BEAVER FALLS LLC has been determined to be subject to the following regulations:

40 CFR 52.21

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) .

40 CFR 60.11

This regulation specifies the type of opacity monitoring requirements in relation to compliance with the

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standards and maintenance requirements.

40 CFR 60.13

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

40 CFR 60.334 (b)

This regulation allows the owner/operator of a gas turbine to use a CEMS to monitor NO_x emissions instead of monitoring fuel and water/steam usage.

40 CFR 60.334 (h) (3)

This regulation allows the owner or operator of a gas turbine to not monitor the fuel for sulfur or nitrogen content if the fuel meets the 40 CFR 60.331(u) definition of natural gas.

40 CFR 60.4

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

40 CFR 60.48c (g)

The owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each day.

40 CFR 60.48c (i)

This regulation requires the source owner or operator to retain all records for a minimum of two years for compliance with the NSPS. This does not supercede any requirement that is more stringent, including the Title V requirement to maintain records for for a minimum of 5 years.

40 CFR 60.7 (b)

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

40 CFR 60.7 (c)

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

40 CFR 60.7 (d)

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

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40 CFR 60.7 (f)

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

40 CFR 60.9

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

40 CFR 97.406

This condition provides the general requirements for implementing EPAs Transport Rule (TR) 40 CFR Part 97, Subpart AAAAA; intended to reduce the interstate transport of fine particulate matter and ozone. This particular condition requires facilities to measure and report their emissions of Nitrogen Oxide (NOx) and to hold TR annual NOx allowances sufficient to cover these emissions. Commonly referred to as a budget trading program, each State has an established 'budget' of emissions that are distributed or sold to facilities, which, in turn, can only emit as much as they hold in allowances.

40 CFR 97.506

This condition provides the general requirements for implementing EPAs Transport Rule (TR) 40 CFR Part 97, Subpart BBBBB; intended to reduce the interstate transport of fine particulate matter and ozone. This particular condition requires facilities to measure and report their emissions of Nitrogen Oxide (NOx) during the ozone season (May through September) and to hold TR ozone season NOx allowances sufficient to cover these emissions. Commonly referred to as a budget trading program, each State has an established 'budget' of emissions that are distributed or sold to facilities, which, in turn, can only emit as much as they hold in allowances.

40 CFR 97.606

This condition provides the general requirements for implementing EPAs Transport Rule (TR) 40 CFR Part 97, Subpart CCCCC; intended to reduce the interstate transport of fine particulate matter and ozone. This particular condition requires facilities to measure and report their emissions of sulfur dioxide (SO2) annually and to hold TR annual SO2 allowances sufficient to cover these emissions. Commonly referred to as a budget trading program, each State has an established 'budget' of emissions that are distributed or sold to facilities, which, in turn, can only emit as much as they hold in allowances.

40 CFR Part 63, Subpart ZZZZ

This regulation defines performance standards for stationary reciprocating internal combustion engines.

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6 NYCRR 201-6.4 (f)

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

6 NYCRR 201-6.5 (a)

This subdivision states that the Department shall include state enforceable conditions in Title V permits. State enforceable conditions related to regulations developed pursuant to the Climate Leadership and Community Protection Act (CLCPA) and Article 75 of New York State Environmental Conservation Law may be included in future versions of this permit, as applicable.

6 NYCRR 211.1

This regulation requires that no person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property.

6 NYCRR 225-1.2

This section of the regulation establishes sulfur-in-fuel limitations for coal, residual oil, distillate oil, and waste oil.

6 NYCRR 225-1.2 (f)

Sulfur-in-fuel limitations for the purchase of #2 heating oil on or after July 1, 2012.

6 NYCRR 225-1.6

This section establishes the requirements for reporting, sampling, and analyzing fuel by subject facilities.

6 NYCRR 227-1.2 (a)

This regulation establishes a particulate emission limit in terms of lbs per mmBTU of heat input for stationary combustion units depending on the heat input capacity and fuel used to fire the units.

6 NYCRR 227-1.3 (a)

This regulation prohibits any person from operating a stationary combustion installation which emits

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smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

6 NYCRR Subpart 201-7

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

Compliance Certification

Summary of monitoring activities at BEAVER FALLS LLC:

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

FACILITY	48	record keeping/maintenance procedures
FACILITY	49	record keeping/maintenance procedures
U-00002	92	record keeping/maintenance procedures
U-00002	93	record keeping/maintenance procedures
U-00002	94	record keeping/maintenance procedures
U-00002	95	record keeping/maintenance procedures
FACILITY	50	record keeping/maintenance procedures
U-00004	96	record keeping/maintenance procedures
U-00004	97	record keeping/maintenance procedures
U-00001	73	record keeping/maintenance procedures
FACILITY	52	record keeping/maintenance procedures
FACILITY	53	record keeping/maintenance procedures
FACILITY	54	record keeping/maintenance procedures
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	26	continuous emission monitoring (cem)
FACILITY	27	continuous emission monitoring (cem)
FACILITY	28	continuous emission monitoring (cem)
FACILITY	29	continuous emission monitoring (cem)
FACILITY	30	continuous emission monitoring (cem)
FACILITY	31	intermittent emission testing
FACILITY	32	continuous emission monitoring (cem)
FACILITY	33	intermittent emission testing
FACILITY	34	intermittent emission testing
FACILITY	35	intermittent emission testing
FACILITY	36	continuous emission monitoring (cem)
FACILITY	37	continuous emission monitoring (cem)
FACILITY	38	continuous emission monitoring (cem)
FACILITY	39	continuous emission monitoring (cem)
FACILITY	40	continuous emission monitoring (cem)
FACILITY	41	continuous emission monitoring (cem)
FACILITY	42	work practice involving specific operations
U-00001	58	intermittent emission testing
U-00001	59	work practice involving specific operations
U-00001	60	record keeping/maintenance procedures
U-00001	61	work practice involving specific operations
U-00001	62	work practice involving specific operations
U-00001	63	work practice involving specific operations
U-00001/-/101	74	continuous emission monitoring (cem)
U-00001/-/101	75	continuous emission monitoring (cem)
U-00001/-/101	76	continuous emission monitoring (cem)
U-00001/-/102	77	continuous emission monitoring (cem)

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U-00001/-/102	78	continuous emission monitoring (cem)
U-00001/-/102	79	continuous emission monitoring (cem)
U-00001/-/103	80	continuous emission monitoring (cem)
U-00001/-/103	81	continuous emission monitoring (cem)
U-00001/-/103	82	continuous emission monitoring (cem)
U-00001/-/103	83	intermittent emission testing
U-00001/-/103	84	continuous emission monitoring (cem)
U-00001/-/104	85	continuous emission monitoring (cem)
U-00001/-/104	86	continuous emission monitoring (cem)
U-00001/-/104	87	continuous emission monitoring (cem)
U-00001/-/104	88	intermittent emission testing
U-00001/-/104	89	continuous emission monitoring (cem)
U-00002	91	work practice involving specific operations
FACILITY	7	record keeping/maintenance procedures
FACILITY	44	work practice involving specific operations
FACILITY	45	work practice involving specific operations
FACILITY	46	record keeping/maintenance procedures
FACILITY	47	intermittent emission testing
U-00001	64	monitoring of process or control device parameters as surrogate

Basis for Monitoring

Condition 5- 6 NYCRR 201-6.4 (c) (3) (ii) - Semi-annual reports of any required monitoring must be submitted to the Department. Reports should include any deviations from compliance and any corrective action taken.

Condition 6- 6 NYCRR 201-6.4 (e) - Compliance certifications must be submitted annually including all required information as laid out by this permit

Condition 7- 6 NYCRR 202-2.1 - Emission statements must be submitted on or before April 15th of each year for emissions of the previous calendar year.

Condition 26- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. NOx emissions are limited to 51 pounds per hour when firing No. 2 distillate fuel oil in the gas turbine without simultaneous operation of the duct burner. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 27- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. NOx emissions are limited to 200 pounds per shutdown occurrence when firing natural gas in the turbine when operating both with and without the duct burner. Shutdowns are limited to one hour per occurrence. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 28- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. NOx emissions are limited to 250 pounds per hour during each startup occurrence when firing natural gas in the turbine when operating both with and without the duct burner. Startup is limited to two hours per occurrence. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

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Condition 29- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. NO_x emissions are limited to 200 pounds per shutdown occurrence when firing No. 2 distillate fuel oil in the turbine both with and without simultaneous operation of the duct burner. Shutdowns are limited to one hour per occurrence. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 30- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. NO_x emissions are limited to 425 pounds per hour during each startup occurrence when firing No. 2 distillate fuel oil in the turbine both with and without simultaneous operation of the duct burner. Startup is limited to two hours per occurrence. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 31- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. VOC emissions are limited to 16.1 pounds per hour and must be verified by once per term emissions testing. Testing of the turbine while combusting No. 2 distillate oil running simultaneously with the duct burner shall be tested in addition to testing the turbine while combusting natural gas and simultaneously operating the duct burner. Compliance with this condition also demonstrates compliance with the requirements of Part 231-2. The monitoring frequency is once per term of the permit if the unit operates greater than 750 hours in any one year.

Condition 32- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. NO_x emissions are limited to 51 pounds per hour from the combustion turbine when operating on No 2 distillate oil and operating simultaneously with the duct burner. This is a PSD avoidance mass emission limit for NO_x emissions. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 33- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. VOC emissions are limited to 8 pounds per hour and must be verified by once per term emissions testing. Testing of the turbine while combusting No. 2 distillate oil running without the duct burner shall be tested in addition to testing the turbine while combusting natural gas without operating the duct burner. Compliance with this condition also demonstrates compliance with the requirements of Part 231-2. The monitoring frequency is once per term of the permit if the unit operates greater than 750 hours in any one year.

Condition 34- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. Particulate emissions are limited to 23.6 pounds per hour when operating the turbine on No. 2 distillate oil with simultaneous operation of the duct burner. This limit will be verified by once per term emissions testing when operations are greater than 750 hours in any one year.

Condition 35- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. Particulate emissions are limited to 19.1 pounds per hour when operating the turbine on No. 2 distillate oil without simultaneous operation of the duct burner. This limit will be verified by once per term emissions testing when operations are greater than 750 hours in any one year.

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Condition 36- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. CO emissions are limited to 27.9 pounds per hour when the turbine is operated on No. 2 distillate oil or natural gas and is operated simultaneously with the duct burner. This is a PSD avoidance mass emission limit. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 37- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. CO emissions are limited to 14.4 pounds per hour when the turbine is operated on No. 2 distillate oil or natural gas and is not operated simultaneously with the duct burner. This is a PSD avoidance mass emission limit. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 38- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. CO emissions are limited to 9 parts per million by volume (dry, corrected to 15% O₂) when the turbine is operated on No. 2 distillate oil or natural gas and is not operated simultaneously with the duct burner. This is a PSD avoidance concentration emission limit. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 39- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. CO emissions are limited to 18 parts per million by volume (dry, corrected to 15% O₂) when the turbine is operated on No. 2 distillate oil or natural gas and is operated simultaneously with the duct burner. This is a PSD avoidance concentration emission limit. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 40- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. NO_x emissions are limited to 18 parts per million by volume (dry, corrected to 15% O₂) when the turbine is operated on No. 2 distillate oil and is operated with or without simultaneous operation with the duct burner. CEMs are to meet the requirements of 40 CFR 75 and are to be calibrated, operated and maintained in the gas turbine/duct burner exhaust stack. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 41- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. NO_x emissions are limited to 9 parts per million by volume (dry, corrected to 15% O₂) when the turbine is operated on natural gas and is operated with or without simultaneous operation with the duct burner. CEMs are to meet the requirements of 40 CFR 75 and are to be calibrated, operated and maintained in the gas turbine/duct burner exhaust stack. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 42- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. Sulfur content of No. 2 fuel oil burned is not to exceed 0.0015% by weight in fuel. Monitoring shall take place per delivery and reported upon quarterly. To aid in permit streamlining, compliance with this condition also indicates compliance with the sulfur limits in 40 CFR 60.333(B), 40 CFR 60.4C(D), and 6 NYCRR Part 225-1.

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Condition 44- 6 NYCRR 225-1.2 - Sulfur content of distillate oil other than #2 oil purchased is not to exceed 0.0015% by weight in fuel after July 1, 2014. Further oil being burned must not exceed 0.0015% after July 1, 2016. The Department will require fuel analyses, information on the quantity of fuel received, fired or sold, and results of stack test sampling, stack monitoring, and other procedures to ensure compliance. Exceedances are to be reported within 30 days after the end of any quarterly period in which an exceedance takes place. This condition is to be reported upon quarterly and monitored per delivery.

Condition 45- 6 NYCRR 225-1.2 (f) - Sulfur content in purchased #2 fuel oil is not to exceed 0.0015% by weight. Compliance with this limit will be based on vendor certifications. All records must be maintained for a period of 5 years. The facility owner must furnish records and summaries semi annually to the Department within 30 days after the end of the semi annual period.

Condition 46- 6 NYCRR 225-1.6 - Fuel analyses, information on quantity of fuel received, fired, or sold, are required by the Department to be reported semi annually and monitored per delivery.

Condition 47- Particulate emissions are limited to 0.10 pounds per million BTUs. Compliance with this limit will be determined by once per term emissions testing of the turbine and boiler on site when operation on site is greater than 750 hours in any one year.

Condition 48 – 40 CFR 52.21, Subpart A - The ambient air temperature at the facility shall be continuously monitored and recorded within an accuracy of +/- 3 degrees F. This condition will be monitored continuously and reported upon annually.

Condition 49 – 40 CFR 52.21, Subpart A - A summary of emission limits and operation instructions must be posted in the control room of the facility and be plainly visible to the facility operator. This condition will be continuous and will be reported upon annually.

Condition 50 – 40 CFR 60.7(c), NSPS Subpart A - Excess emissions reports must be submitted semi-annually. Reports will include the magnitude of the excess emissions, specific identification of each period of excess emissions, date and time of each period of CEMs downtime, and when no excess emissions have occurred or when CEMs have not been down.

Condition 52- 40 CFR 97.406, Subpart AAAAA - The facility shall comply with the requirement to have a designated representative and may have an alternate designated representative as outlined in 40 CFR Part 97, Subpart AAAAA. Further, each TR NO_x annual source shall comply with the monitoring, reporting, and recordkeeping requirements of Subpart AAAAA. Emissions data determined shall be used to calculate allocations of TR NO_x annual allowances and to determine compliance with the TR NO_x annual emissions limitations and assurance provisions.

Condition 53- 40 CFR 97.506, Subpart BBBBB - The facility shall comply with the requirement to have a designated representative and may have an alternate designated representative as outlined in 40 CFR Part 97, Subpart BBBBB. Further, each TR NO_x ozone season source shall comply with the monitoring, reporting, and recordkeeping requirements of Subpart BBBBB. Emissions data determined shall be used to calculate allocations of TR NO_x ozone season allowances and to determine compliance with the TR NO_x ozone season emissions limitations and assurance provisions.

Condition 54 – 40 CFR 97.606, Subpart CCCCC - The facility shall comply with the requirement to have a designated representative and may have an alternate designated representative as outlined in 40 CFR Part 97, Subpart CCCCC. Further, each TR SO₂ group 1 source shall comply with the monitoring, reporting, and recordkeeping requirements of Subpart CCCCC. Emissions data determined shall be used to calculate

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allocations of TR SO₂ group 1 allowances and to determine compliance with the TR SO₂ group 1 emissions limitations and assurance provisions.

Condition 58- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. Ammonia emissions are limited to 10 parts per million by volume (dry, corrected to 15% O₂) and must be verified by once per term emissions testing. Testing will be conducted while the turbine is firing natural gas and oil. The monitoring frequency is once per term when the unit operates greater than 750 hours per year.

Condition 59- 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. Fuel oil is restricted to 10,300,000 gallons per year to restrict emissions of sulfur dioxide. Total annual fuel oil shall be calculated on a 365 day rolling total and reported semi annually.

Condition 60 – 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. To avoid being subject to PSD, the facility shall monitor and record NO_x and PM-10 emissions to maintain emissions below the significance levels of PSD (and part 231-2 for NO_x). Compliance shall be determined by summing the individual monthly emissions during any consecutive 12 month period. The owner/operator shall submit a semi-annual report stating whether this condition has been complied with. The equations provided in this condition shall be used to determine compliance. The facility shall maintain and operate a device that records each hour of operation of the evaporative cooler. The facility shall also maintain a written or electronic log of when the evaporative cooler operates. If the PSD & Part 231-2 significance levels are exceeded, the facility will submit records to the Department within 30 days of the end of the month in which the significance exceedance occurred.

Condition 61 – 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. To limit emissions of VOCs from the facility, when firing on No. 2 distillate oil the combustion turbine must not operate below a minimum load corresponding to the ambient temperature as indicated in attachment 1. This condition shall be continuously monitored and reported on semi annually.

Condition 62 – 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. To limit emissions of VOCs from the facility, when the combustion turbine is firing on natural gas the turbine must not operate below minimum load of 21 megawatt except for startup or shutdown. This condition will be averaged over 1 hour, monitored continuously, and reported on semi annually.

Condition 63 – 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. To limit emissions of sulfur dioxide, fuel oil use in the turbine is limited to 2000 hours per year. Compliance will be determined by an annual maximum rolled daily and reported upon semi annually.

Condition 64 – 6 NYCRR 227-1.3 (a) - No person shall operate a stationary combustion installation which exhibits greater than 20 percent opacity (six minutes average), except for one six minute period per hour of not more than 27 percent opacity. Further, the department reserves the right to perform or require the

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performance of a method 9 opacity evaluation at any time during facility operation. The permittee will perform observations of visible emissions and shall investigate and correct any excess visible emissions.

Condition 73 – 40CFR 60.334(h)(3), NSPS Subpart GG - The owner or operator of the facility may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine if the gaseous fuel is demonstrated to meet the definition of natural gas. This condition will be reported upon semi annually.

Condition 74 - 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. CO emissions are limited to 630 pounds for the first hour of turbine startup when combusting No. 2 fuel oil without operating simultaneously with the duct burner. Startup is limited to 2 hours. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly

Condition 75 - 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. CO emissions are limited to 350 pounds during shutdown when operating the turbine on NO. 2 fuel oil without operating simultaneously with the duct burner. Shutdown is limited to one hour. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 76 - 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. CO emissions are limited to 70 pounds for the second hour of turbine startup when combusting No. 2 fuel oil without operating simultaneously with the duct burner. Startup is limited to 2 hours. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly

Condition 77 - 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. CO emissions are limited to 70 pounds for the second hour of turbine startup when combusting No. 2 fuel oil when operating simultaneously with the duct burner. Startup is limited to 2 hours. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly

Condition 78 - 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. CO emissions are limited to 630 pounds for the first hour of turbine startup when combusting No. 2 fuel oil when operating simultaneously with the duct burner. Startup is limited to 2 hours. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly

Condition 79 - 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. CO emissions are limited to 350 pounds during shutdown when operating the turbine on NO. 2 fuel oil when operating simultaneously with the duct burner. Shutdown is limited to one hour. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 80 - 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. CO emissions are limited to 630 pounds for the first hour of turbine startup when combusting natural gas without operating simultaneously with the duct burner. Startup is limited to 2 hours. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly

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Condition 81 - 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. CO emissions are limited to 300 pounds during shutdown when operating the turbine on natural gas without operating simultaneously with the duct burner. Shutdown is limited to one hour. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 81 - 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. CO emissions are limited to 55 pounds for the second hour of turbine startup when combusting natural gas without operating simultaneously with the duct burner. Startup is limited to 2 hours. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly

Condition 83 – 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. Particulate emissions are limited 5.8 pounds per hour as verified by once per term emissions testing. This condition applies to testing of the turbine while combusting natural gas without running simultaneously with the duct burner. The monitoring frequency is once per term of the permit if the unit operates greater than 750 hours in any one year.

Condition 84 - 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. NO_x emissions are limited to 21.6 pounds per hour from the combustion turbine when operating on natural gas without operating simultaneously with the duct burner. This is a PSD avoidance mass emission limit for NO_x emissions. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 85 - 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. CO emissions are limited to 55 pounds for the second hour of turbine startup when combusting natural gas and operating simultaneously with the duct burner. Startup is limited to 2 hours. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly

Condition 86 - 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. CO emissions are limited to 300 pounds during shutdown when operating the turbine on natural gas and operating simultaneously with the duct burner. Shutdown is limited to one hour. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 87 - 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. CO emissions are limited to 630 pounds for the first hour of turbine startup when combusting natural gas and operating simultaneously with the duct burner. Startup is limited to 2 hours. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly

Condition 88 - 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. Particulate emissions are limited 10.3 pounds per hour as verified by once per term emissions testing. This condition applies to testing of the turbine while combusting natural gas and running simultaneously with the duct burner. The monitoring frequency is once per term of the permit if the unit operates greater than 750 hours in any one year.

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Condition 89 - 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. NO_x emissions are limited to 23.6 pounds per hour from the combustion turbine when operating on natural gas and operating simultaneously with the duct burner. This is a PSD avoidance mass emission limit for NO_x emissions. Emissions are to be continuously monitored utilizing CEMs to create a 1 hour average. This condition shall be reported upon quarterly.

Condition 90 – 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. Each emergency diesel generator shall operate for no longer than 30 minutes in any 24 hour period. This condition is to be continuously monitored and shall be reported upon annually.

Condition 91 – 6 NYCRR Subpart 201-7 - This condition contains an emission cap for the purpose of limiting emissions from the facility to avoid being subject to 40 CFR 52.21. The two emergency diesel generators are to operate for no more than a cumulative total of 52 hrs per year. Compliance will be determined as an annual maximum rolled daily and reported annually.

Condition 92- 40 CFR 52.21, Subpart A - The two emergency diesel generators shall not operate simultaneously except for periods of startup, shutdown, testing, or malfunction. This condition will be reported upon annually.

Condition 93- 40CFR 52.21, Subpart A - The emergency diesel generators shall only fire number 2 distillate fuel oil. This condition will be reported upon annually.

Condition 94 - 40CFR 52.21, Subpart A - The emergency diesel generators shall not operate simultaneously with the gas turbine except during periods of startup, shutdown, malfunction, or testing. This condition will be reported on annually.

Condition 95- 40CFR 52.21, Subpart A - Only one emergency diesel generator shall operate simultaneously with the auxiliary boiler. This condition will be reported upon annually.

Condition 96- 40CFR 60.48c(g), NSPS Subpart Dc - The owner or operator of an affected facility shall record and maintain records of the amounts of each fuel combusted during each day. This condition will be monitored daily and be reported upon semi annually.

Condition 97- 40CFR 60.48c(i), NSPS Subpart Dc - All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record, for determining compliance with the NSPS requirements. Further, records shall be maintained for a minimum of five years to achieve compliance with the requirements of Title V.