

**Division of Air Resources
Permit Review Report**

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

Facility Identification Data

Name: SELKIRK COGENERATION PROJECT

Address: 24 Power Park Dr

Selkirk, NY 12158

Owner/Firm

Name: SELKIRK COGEN PARTNERS LP

Address: 24 POWER PARK DR

SELKIRK, NY 12158-2299, USA

Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:

Name: ANGELIKA R STEWART

Address: NYSDEC

65561 St Hwy 10

Stamford, NY 12167

Phone:6076527741

Division of Air Resources:

Name: EDWARD A PELLEGRINI

Address: NYSDEC - REGION 4

1130 N WESTCOTT RD

SCHENECTADY, NY 12306

Air Permitting Facility Owner Contact:

Name: Timothy M Biittig

Address: PurEnergy Management Services, LLC

24 Power Park Dr

Selkirk, NY 12158

Phone:5184755773

**Permit Description
Introduction**

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

Summary Description of Proposed Project

Application for renewal of Air Title V permit. Transfer in ownership of Emission Units U-00004 (four auxiliary boilers) and U-00006 (emergency diesel generator) from Selkirk COgen Partners (SCP) to the adjacent SABIC Innovative Plastics US, LLC and removal from this permit. SCP will continue to operate and maintain U-00004 and U-00006 under contract with SABIC.

**Division of Air Resources
Permit Review Report**

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

Attainment Status

SELKIRK COGENERATION PROJECT is located in the town of BETHLEHEM in the county of ALBANY.

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*	MARGINAL 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:

Selkirk Cogeneration Project (SCP) is a 345 MW combined cycle cogeneration facility that generates electricity under contract to utility customers and provides steam to an industrial steam customer. The facility consists of two phases. Phase I consists of a GE Frame 7 Quiet Combustor gas turbine and associated heat recovery steam generator with supplemental firing and one steam turbine generator. Phase II consists of two GE Frame 7 Standard Combustor combustion turbines, two heat recovery steam generators with supplemental firing and one steam turbine generator. Each gas turbine is equipped with steam injection for NOx control. Units 2 and 3 are also equipped with selective catalytic reduction (SCR) to control the emissions of NOx. The facility was approved a BACT facility for PSD purposes.

Permit Structure and Description of Operations

The Title V permit for SELKIRK COGENERATION PROJECT 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

Division of Air Resources
Permit Review Report

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

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.

SELKIRK COGENERATION PROJECT is defined by the following emission unit(s):

Emission unit U00001 - Emission unit U-00001 consists of a General Electric Frame 7 Quiet Combustor turbine and associated heat recovery steam generator (HRSG) equipped with a duct burner. The turbine may operate on gas, oil, or gas/oil. The duct burner may operate only on gas. The rated heat input for this emission unit is 1161.9 MMBtu/hr. There is one emission point associated with this emission unit. The combustion turbine and HRSG are located outside, therefore no buildings are associated with this emission unit that contain emission points or processes as defined by the application instructions.

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

Process: 1AG Phase 1 GE Frame 7 combustion Turbine firing natural gas with or without the supplemental firing of the duct burner also firing natural gas and with the gas turbine unit operating at any load. NOx emissions are controlled with steam injection.

Process: 1AO Phase 1 GE Frame 7 combustion turbine firing oil with or without the supplemental firing of the duct burner firing natural gas and with the gas turbine operating at any load. NOx emissions are controlled with steam injection.

Note: This process is included to provide for operational flexibility as defined by NYCRR Part 201-6.4(f). Operational flexibility in this instance, ensures that the SCP can provide reliable power during times when natural gas is commercially unavailable by utilizing the facility's alternate ability to fire its combustion turbines on fuel oil. Also, under the provisions of operational flexibility, SCP is allowed to suspend the otherwise required fuel oil compliance testing and reporting provisions until SCP actually fires fuel oil for the first time in the permit term. At such time that the combustion turbines are fired on oil, then that date shall be the date of first fire, and the testing and reporting provisions of this condition and all other applicable state and federal requirements are activated.

Process: 1BG Phase 1 GE Frame 7 combustion turbine firing natural gas with or without the supplemental firing of the duct burner also firing natural gas and with the gas turbine unit operating at baseload.

Process: 1BO Phase 1 GE Frame 7 combustion turbine firing oil with or without the supplemental firing of the duct burner also firing natural gas and with the gas turbine operating at baseload.

Note: This condition is included to provide for operational flexibility as defined by NYCRR Part 201-6.4(f). Operational flexibility in this instance, ensures that the SCP can provide reliable power during times when natural gas is commercially unavailable by utilizing the facility's alternate ability to fire its combustion turbines on fuel oil. Also, under the provisions of operational flexibility, SCP is allowed to suspend the otherwise required fuel oil compliance testing and reporting provisions until SCP actually fires fuel oil for the first time in the permit term. At such time that the combustion turbines are fired on oil, then that date shall be the date of first fire, and the testing and reporting provisions of this condition and all other applicable state and federal requirements are activated.

Process: 1DB Phase1, unit 1, duct burner firing natural gas.

**Division of Air Resources
Permit Review Report**

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

Process: 1GL Phase 1 GE Frame 7 combustion turbine firing natural gas with or without the supplemental firing of the duct burner also firing natural gas and with the gas turbine operating at base low flow.

Process: 1HG GE Frame 7 combustion turbine firing natural gas with or without the supplemental firing of the duct burner also firing natural gas and with the gas turbine unit operating at or above base low flow. NOx emissions are controlled with steam injection.

Process: 1HO GE Frame 7 combustion turbine firing distillate oil or oil/gas with or without the supplemental firing of the duct burner firing natural gas and with the gas turbine operating at or above base low flow. NOx emissions are controlled with steam injection.

Note: This condition is included to provide for operational flexibility as defined by NYCRR Part 201-6.4(f). Operational flexibility in this instance, ensures that the SCP can provide reliable power during times when natural gas is commercially unavailable by utilizing the facility's alternate ability to fire it's combustion turbines on fuel oil. Also, under the provisions of operational flexibility, SCP is allowed to suspend the otherwise required fuel oil compliance testing and reporting provisions until SCP actually fires fuel oil for the first time in the permit term. At such time that the combustion turbines are fired on oil, then that date shall be the date of first fire, and the testing and reporting provisions of this condition and all other applicable state and federal requirements are activated.

Process: 1LF Phase 1 GE Frame 7 combustion turbine firing oil with or without the supplemental firing of the duct burner firing natural gas and with the gas turbine operating at base low flow.

Note: This condition is included to provide for operational flexibility as defined by NYCRR Part 201-6.4(f). Operational flexibility in this instance, ensures that the SCP can provide reliable power during times when natural gas is commercially unavailable by utilizing the facility's alternate ability to fire it's combustion turbines on fuel oil. Also, under the provisions of operational flexibility, SCP is allowed to suspend the otherwise required fuel oil compliance testing and reporting provisions until SCP actually fires fuel oil for the first time in the permit term. At such time that the combustion turbines are fired on oil, then that date shall be the date of first fire, and the testing and reporting provisions of this condition and all other applicable state and federal requirements are activated.

Process: 1LG GE Frame 7 combustion turbine firing natural gas with or without the supplemental firing of the duct burner also firing natural gas and with the gas turbine operating below the less of 784 MMBtu/hr and base low flow. NOx emissions are controlled with steam injection.

Process: 1LO GE Frame 7 combustion turbine firing distillate oil or oil/gas with or without the supplemental firing of the duct burner firing natural gas and with the gas turbine operating below the lesser of 784 MMBtu/hr and base low flow. NOx emissions from the gas turbine are controlled with steam injection.

Note: This condition is included to provide for operational flexibility as defined by NYCRR Part 201-6.4(f). Operational flexibility in this instance, ensures that the SCP can provide reliable power during times when natural gas is commercially unavailable by utilizing the facility's alternate ability to fire it's combustion turbines on fuel oil. Also, under the provisions of operational flexibility, SCP is allowed to suspend the otherwise required fuel oil compliance testing and reporting provisions until SCP actually fires fuel oil for the first time in the permit term. At such time that the combustion turbines are fired on oil, then that date shall be the date of first fire, and the testing and reporting provisions of this condition and all other applicable state and federal requirements are activated.

Process: 1MG GE Frame 7 combustion turbine firing natural gas with or without the supplemental firing of

**Division of Air Resources
Permit Review Report**

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

the duct burner firing natural gas and with the gas turbine operating between 784 mmBTU/hr and base low flow. NOx emissions from the gas turbine are controlled with steam injection.

Process: 1MO GE Frame 7 combustion turbine firing distillate oil/gas with or without the supplemental firing of the duct burner firing natural gas and with the gas turbine operating between 784 mmBTU/hr and base low flow. NOx emissions are controlled with steam injection.

Note: This condition is included to provide for operational flexibility as defined by NYCRR Part 201-6.4(f). Operational flexibility in this instance, ensures that the SCP can provide reliable power during times when natural gas is commercially unavailable by utilizing the facility's alternate ability to fire its combustion turbines on fuel oil. Also, under the provisions of operational flexibility, SCP is allowed to suspend the otherwise required fuel oil compliance testing and reporting provisions until SCP actually fires fuel oil for the first time in the permit term. At such time that the combustion turbines are fired on oil, then that date shall be the date of first fire, and the testing and reporting provisions of this condition and all other applicable state and federal requirements are activated.

Emission unit U00002 - Emission unit U-00002 consists of 2 General Electric Frame 7 Standard Combustor combustion turbines and associated heat recovery steam generators (HRSGs) each equipped with a duct burner. The turbines may operate on gas, oil or gas/oil. The duct burner may operate only on gas. The rated heat input for each turbine/HRSG combustion unit is 1192.3 MMBtu/hr making the total heat input for the emission unit 2384.6 MMBtu/hr. NOx emissions from the gas turbines/HRSGs are controlled with selective catalytic reduction. There are two emission points associated with this emission unit. The combustion turbines are located in the gas turbine building and HRSGs are located outside.

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

Process: 23G One or two GE Frame 7 combustion turbines firing natural gas with or without the supplemental firing of one or two duct burners firing gas with the gas turbines operating at any load. NOx emissions are controlled with steam injection and selective catalytic reduction.
The Design Capacities in this Process Description are for a single combustion turbine and duct burner.

Process: 23O One or two GE Frame 7 combustion turbines firing distillate oil or oil/gas with or without the supplemental firing of one or two duct burners firing natural gas with the gas turbine operating at any load. NOx emissions are controlled with steam injection and selective catalytic reduction.
The Design Capacities in this Process Description are for a single combustion turbine and duct burner.

Note: This condition is included to provide for operational flexibility as defined by NYCRR Part 201-6.4(f). Operational flexibility in this instance, ensures that the SCP can provide reliable power during times when natural gas is commercially unavailable by utilizing the facility's alternate ability to fire its combustion turbines on fuel oil. Also, under the provisions of operational flexibility, SCP is allowed to suspend the otherwise required fuel oil compliance testing and reporting provisions until SCP actually fires fuel oil for the first time in the permit term. At such time that the combustion turbines are fired on oil, then that date shall be the date of first fire, and the testing and reporting provisions of this condition and all other applicable state and federal requirements are activated.

Process: 2DB Phase 2, units 2 or 3, duct burner firing natural gas.

**Division of Air Resources
Permit Review Report**

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

Process: 2GB Phase 2 GE Frame 7 combustion turbine firing natural gas with or without the supplemental firing of the duct burner also firing natural gas and with the gas turbine unit operating at baseload.

Process: 2GL Phase 2 GE Frame combustion turbine firing natural gas with or without the supplemental firing of the duct burner also firing natural gas and with the gas turbine unit operating at base low flow.

Process: 2OB Phase 2 GE Frame combustion turbine firing oil with or without the supplemental firing of the duct burner firing natural gas and with the gas turbine unit operating at baseload.

Note: This condition is included to provide for operational flexibility as defined by NYCRR Part 201-6.4(f). Operational flexibility in this instance, ensures that the SCP can provide reliable power during times when natural gas is commercially unavailable by utilizing the facility's alternate ability to fire it's combustion turbines on fuel oil. Also, under the provisions of operational flexibility, SCP is allowed to suspend the otherwise required fuel oil compliance testing and reporting provisions until SCP actually fires fuel oil for the first time in the permit term. At such time that the combustion turbines are fired on oil, then that date shall be the date of first fire, and the testing and reporting provisions of this condition and all other applicable state and federal requirements are activated.

Process: 2OL Phase 2 GE Frame combustion turbine firing oil with or without the supplemental firing of the duct burner firing natural gas and with the gas turbine unit operating at base low flow.

Note: This condition is included to provide for operational flexibility as defined by NYCRR Part 201-6.4(f). Operational flexibility in this instance, ensures that the SCP can provide reliable power during times when natural gas is commercially unavailable by utilizing the facility's alternate ability to fire it's combustion turbines on fuel oil. Also, under the provisions of operational flexibility, SCP is allowed to suspend the otherwise required fuel oil compliance testing and reporting provisions until SCP actually fires fuel oil for the first time in the permit term. At such time that the combustion turbines are fired on oil, then that date shall be the date of first fire, and the testing and reporting provisions of this condition and all other applicable state and federal requirements are activated.

Emission unit U00005 - This emission unit consists of a 42,000 gallon ammonium hydroxide storage tank. Ammonium hydroxide is used to reduce NOx emissions and is injected into the exhaust gas prior to the selective catalytic reduction (SCR) unit. The tank has a vent that is maintained at 1-2 psi pressure to reduce or prevent the release of NH3 vapors.

Emission unit U00005 is associated with the following emission points (EP):
00005

Process: TNK This unit is a 42,000 gallon tank used to store ammonium hydroxide solution. The maximum amount of ammonium hydroxide stored is 37,800 gallons. Ammonium hydroxide is used to control nitrogen oxides in the gas turbine selective catalytic reduction control systems. The tank relief vent is maintained at 1-2 psi to reduce or prevent the release of ammonia vapors.

Title V/Major Source Status

SELKIRK COGENERATION PROJECT is subject to Title V requirements. This determination is based on the following information:

The facility is major because the potential emissions of nitrogen oxides, carbon monoxide, and Particulate

**Division of Air Resources
Permit Review Report**

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

matter exceed the major source thresholds contained in 6 NYCRR Part 201-6.

Program Applicability

The following chart summarizes the applicability of SELKIRK COGENERATION PROJECT 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)	NO
NSPS	YES
TITLE IV	YES
TITLE V	YES
TITLE VI	NO
RACT	YES
SIP	YES

NOTES:

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

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

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

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

**Division of Air Resources
Permit Review Report**

Permit ID: 4-0122-00078/00013
Renewal Number: 2
02/04/2022

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

4911	ELECTRIC SERVICES
4931	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

1-01-006-01	EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION
	ELECTRIC UTILITY BOILER - NATURAL GAS

**Division of Air Resources
Permit Review Report**

**Permit ID: 4-0122-00078/00013
Renewal Number: 2
02/04/2022**

2-01-001-01	Boilers > 100 MBtu/Hr except Tangential INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - DISTILLATE OIL (DIESEL)
2-01-002-01	Turbine INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - NATURAL GAS Turbine

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.

Cas No.	Contaminant	PTE lbs/yr	PTE tons/yr	Actual lbs/yr	Actual tons/yr
007664-41-7	AMMONIA		137		
000124-38-9	CARBON DIOXIDE		1869855		
0NY750-00-0	CARBON DIOXIDE EQUIVALENTS		1873097		
000630-08-0	CARBON MONOXIDE		1466		
007440-47-3	CHROMIUM	78			
000050-00-0	FORMALDEHYDE	18487			
007439-92-1	LEAD	95			
007439-96-5	MANGANESE	5294			
007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS	38			
0NY210-00-0	OXIDES OF NITROGEN		851		
0NY075-00-0	PARTICULATES		275		
0NY075-02-5	PM 2.5		212		
0NY075-00-5	PM-10		222		
007446-09-5	SULFUR DIOXIDE		21		
007664-93-9	SULFURIC ACID		4		
0NY100-00-0	TOTAL HAP	39271			
0NY998-00-0	VOC		67		

**Division of Air Resources
Permit Review Report**

Permit ID: 4-0122-00078/00013
Renewal Number: 2
02/04/2022

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

Division of Air Resources
Permit Review Report

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

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.
- 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

**Division of Air Resources
Permit Review Report**

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

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 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;

**Division of Air Resources
Permit Review Report**

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

(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	188	Powers and Duties of the Department with respect to air pollution control
FACILITY	40CFR 52-A.21	26, 27, 28, 29, 30, 31, 32, 33, 34, 35	Prevention of Significant Deterioration
U-00001	40CFR 52-A.21	63, 64	Prevention of Significant Deterioration
U-00001/00001	40CFR 52-A.21	69, 70, 71, 72, 73	Prevention of Significant Deterioration
U-00001/00001/1AG	40CFR 52-A.21	74, 75	Prevention of Significant Deterioration

**Division of Air Resources
Permit Review Report**

**Permit ID: 4-0122-00078/00013
Renewal Number: 2
02/04/2022**

U-00001/00001/1AG/OOGT1	40CFR 52-A.21	76, 77, 78	Prevention of Significant Deterioration
U-00001/00001/1AO	40CFR 52-A.21	79, 80	Prevention of Significant Deterioration
U-00001/00001/1AO/OOGT1	40CFR 52-A.21	81, 82, 83	Prevention of Significant Deterioration
U-00001/00001/1BG/OOGT1	40CFR 52-A.21	84, 85, 86, 87	Prevention of Significant Deterioration
U-00001/00001/1BO/OOGT1	40CFR 52-A.21	88, 89, 90, 91	Prevention of Significant Deterioration
U-00001/00001/1DB/OODB1	40CFR 52-A.21	92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103	Prevention of Significant Deterioration
U-00001/00001/1GL/OOGT1	40CFR 52-A.21	104, 105, 106, 107	Prevention of Significant Deterioration
U-00001/00001/1HG	40CFR 52-A.21	108, 109	Prevention of Significant Deterioration
U-00001/00001/1HG/OOGT1	40CFR 52-A.21	110	Prevention of Significant Deterioration
U-00001/00001/1HO	40CFR 52-A.21	111, 112	Prevention of Significant Deterioration
U-00001/00001/1HO/OOGT1	40CFR 52-A.21	113	Prevention of Significant Deterioration
U-00001/00001/1LF/OOGT1	40CFR 52-A.21	114, 115, 116, 117	Prevention of Significant Deterioration
U-00001/00001/1LG	40CFR 52-A.21	118, 119	Prevention of Significant Deterioration
U-00001/00001/1LG/OOGT1	40CFR 52-A.21	120	Prevention of Significant Deterioration
U-00001/00001/1LO	40CFR 52-A.21	121, 122	Prevention of Significant Deterioration
U-00001/00001/1LO/OOGT1	40CFR 52-A.21	123	Prevention of Significant Deterioration
U-00001/00001/1MG	40CFR 52-A.21	124, 125	Prevention of Significant Deterioration
U-00001/00001/1MG/OOGT1	40CFR 52-A.21	126	Prevention of Significant Deterioration
U-00001/00001/1MO	40CFR 52-A.21	127, 128	Prevention of Significant Deterioration
U-00001/00001/1MO/OOGT1	40CFR 52-A.21	129	Prevention of Significant Deterioration
U-00002	40CFR 52-A.21	133, 134, 135, 136	Prevention of Significant Deterioration
U-00002/-/23G	40CFR 52-A.21	137, 138, 139, 140, 141, 142	Prevention of Significant Deterioration

**Division of Air Resources
Permit Review Report**

**Permit ID: 4-0122-00078/00013
Renewal Number: 2
02/04/2022**

U-00002/-/23G/OGT23	40CFR 52-A.21	143, 144, 145, 146	Deterioration Prevention of Significant
U-00002/-/23O	40CFR 52-A.21	147, 148, 149, 150, 151, 152	Deterioration Prevention of Significant
U-00002/-/23O/OGT23	40CFR 52-A.21	153, 154, 155, 156, 157, 158	Deterioration Prevention of Significant
U-00002/-/2DB/ODB23	40CFR 52-A.21	161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172	Deterioration Prevention of Significant
U-00002/-/2GB/OGT23	40CFR 52-A.21	173, 174, 175, 176	Deterioration Prevention of Significant
U-00002/-/2GL/OGT23	40CFR 52-A.21	177, 178, 179, 180	Deterioration Prevention of Significant
U-00002/-/2OB/OGT23	40CFR 52-A.21	181, 182, 183, 184	Deterioration Prevention of Significant
U-00002/-/2OL/OGT23	40CFR 52-A.21	185, 186, 187	Deterioration Prevention of Significant
FACILITY	40CFR 60-A	36	Deterioration
FACILITY	40CFR 60-A.12	47	General provisions
FACILITY	40CFR 60-A.13	48	General provisions - Circumvention
FACILITY	40CFR 60-A.14	49	General provisions - Monitoring requirements
FACILITY	40CFR 60-A.15	50	General provisions - Modification
FACILITY	40CFR 60-A.4	37	General provisions - Reconstruction
FACILITY	40CFR 60-A.7 (a)	38	General provisions - Address
FACILITY	40CFR 60-A.7 (b)	39	Notification and Recordkeeping
FACILITY	40CFR 60-A.8 (a)	40	Notification and Recordkeeping
FACILITY	40CFR 60-A.8 (b)	41	Performance Tests
FACILITY	40CFR 60-A.8 (c)	42	Performance Tests
FACILITY	40CFR 60-A.8 (d)	43	Performance Tests
FACILITY	40CFR 60-A.8 (e)	44	Performance Tests
FACILITY	40CFR 60-A.8 (f)	45	Performance Tests
FACILITY	40CFR 60-A.9	46	General provisions - Availability of information
U-00001/-/1DB	40CFR 60-Db.44b (a) (4)	67	Standard for Nitrogen Oxides for Duct Burners Used in Combined Cycle Projects.
U-00002/-/2DB	40CFR 60-Db.44b (a) (4)	159	Standard for Nitrogen Oxides for Duct Burners Used in Combined Cycle Projects.
U-00001/-/1DB	40CFR 60-Db.49b	68	Reporting and Recordkeeping Requirements.
U-00002/-/2DB	40CFR 60-Db.49b	160	Reporting and Recordkeeping

**Division of Air Resources
Permit Review Report**

**Permit ID: 4-0122-00078/00013
Renewal Number: 2
02/04/2022**

FACILITY	40CFR 60-GG.334 (b)	51	Requirements. Monitoring of Operations: CEMS
FACILITY	40CFR 60-GG.334 (h)	52	Fuel Content
FACILITY	40CFR 60-GG.334 (h) (3)	53	Allowance not to monitor sulfur or nitrogen for natural gas
FACILITY	40CFR 60-GG.334 (j)	54	Reporting Requirements
FACILITY	40CFR 68	18	Chemical accident prevention provisions
U-00001	40CFR 75-B.10 (a)	65	Continuous emission monitoring - general operating requirements
U-00001	40CFR 75-B.10 (d)	66	Continuous emission monitoring - general operating requirements
FACILITY	40CFR 82-F	19	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	40CFR 97-A AAAA.406	55	Transport Rule (TR) NOx Annual Trading Program Standard Requirments
FACILITY	40CFR 97-CCCC.606	56	Transport Rule (TR) SO2 Group 1 Trading Program Standard Requirments
FACILITY	40CFR 97-GGGGG.1006	57	CSAPR NOx Ozone Season Group 3 Trading Program Standard Requirements
FACILITY	6NYCRR 200.6	1	Acceptable ambient air quality.
FACILITY	6NYCRR 200.7	10	Maintenance of equipment.
FACILITY	6NYCRR 201-1.4	189	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	11	Recycling and Salvage
FACILITY	6NYCRR 201-1.8	12	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.2 (a)	13	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3 (a)	14	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6	20, 58, 59	Title V Permits and the Associated Permit Conditions
U-00001	6NYCRR 201-6	60, 61	Title V Permits and the Associated Permit Conditions
U-00002	6NYCRR 201-6	130, 131, 132	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.4 (a) (4)	15	General Conditions - Requirement to Provide Information

**Division of Air Resources
Permit Review Report**

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

FACILITY	6NYCRR 201-6.4 (a) (7)	2	General Conditions - Fees
FACILITY	6NYCRR 201-6.4 (a) (8)	16	General Conditions - Right to Inspect
FACILITY	6NYCRR 201-6.4 (c)	3	Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.4 (c) (2)	4	Records of Monitoring, Sampling and Measurement
FACILITY	6NYCRR 201-6.4 (c) (3) (ii)	5	Reporting Requirements - Deviations and Noncompliance
FACILITY	6NYCRR 201-6.4 (d) (4)	21	Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4 (e)	6	Compliance Certification
FACILITY	6NYCRR 201-6.4 (f)	22	Operational Flexibility
FACILITY	6NYCRR 201-6.5 (a)	190	State Enforceable Requirements
FACILITY	6NYCRR 202-1.1	17	Required emissions tests.
FACILITY	6NYCRR 202-2.1	7	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	8	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.1	191	General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 211.2	23	General Prohibitions - visible emissions limited.
FACILITY	6NYCRR 215.2	9	Open Fires - Prohibitions
FACILITY	6NYCRR 225-1.2 (d)	24	Sulfur-in-Fuel Limitation - Distillate Oil
FACILITY	6NYCRR 227-1.4 (a)	25	Opacity Standard
U-00001	6NYCRR 227-2	62	Reasonably available control technology for NOx
FACILITY	6NYCRR 242-1.5	192	CO2 Budget Trading Program - Standard requirements
FACILITY	6NYCRR 242-8	193	CO2 Budget Trading Program - Monitoring and reporting
U-00001	6NYCRR 251.3 (b)	194	Emission limits for non-modified sources.

Applicability Discussion:

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

ECL 19-0301

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

6 NYCRR 200.6

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

Division of Air Resources
Permit Review Report

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

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.

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.

Division of Air Resources
Permit Review Report

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

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 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

**Division of Air Resources
Permit Review Report**

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

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, SELKIRK COGENERATION PROJECT 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 60.12

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

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 60.14

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

**Division of Air Resources
Permit Review Report**

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

40 CFR 60.15

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

40 CFR 60.334 (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.

40 CFR 60.334 (h)

This regulation requires the applicant to monitor the sulfur and nitrogen content of the fuel being burned in the turbine.

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 60.334 (j)

This regulation sets forth the reporting requirements for affected units that continuously monitor parameters or emissions or those that periodically determine the sulfur and/or nitrogen content of the fuel burned in a gas turbine.

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 60.44b (a) (4)

These standards apply to boilers firing natural gas and/or distillate oil as provided in 40 CFR 60.44b(a)(4) Duct Burners Used in a Combined Cycle System.

40 CFR 60.49b

This rule specifies the reporting and recordkeeping requirements for affected steam generating units.

40 CFR 60.7 (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.

40 CFR 60.7 (b)

**Division of Air Resources
Permit Review Report**

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

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 60.8 (a)

This regulation contains the requirements for the completion date and reporting of Performance Testing (stack testing), at the facility. Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, the owner or operator of the facility must conduct performance test(s) and furnish a written report of the test results.

40 CFR 60.8 (b)

This regulation contains the requirements for Performance test methods and procedures, to be used by the owner or operator, of the affected facility.

40 CFR 60.8 (c)

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

40 CFR 60.8 (d)

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

40 CFR 60.8 (e)

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

40 CFR 60.8 (f)

This regulation requires that Performance (stack) tests consist of three runs unless otherwise specified. The rule also designates the allowable averaging methods for the analysis of the results.

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 75.10 (a)

This section specifies the primary measurement requirements for opacity, and all SO₂, NO_x, and CO₂ emissions from the facility. It details how often measurements are to be made and the general type of systems to be used.

40 CFR 75.10 (d)

This section specifies the operating requirements of the monitoring systems. It requires the facility to ensure that all monitoring systems in operation and functioning as specified, at all times fuel is being burned, except as provided in § 75.11(e) and during other specified periods.

Division of Air Resources
Permit Review Report

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

40 CFR 97.1006

40 CFR Part 97 Subpart GGGGG the NO_x Ozone Season Cross State Air Pollution Rule (CSAPR) requires additional NO_x reductions from power plants located in twelve (12) states beginning with the 2021 ozone season. It is designed to reduce NO_x emissions during the ozone season (May - September) for large fossil fuel fired electric generating units that have a nameplate capacity of greater than 25 megawatts electrical and produce electricity for sale. The new Group 3 Trading Program would be in addition to the existing Groups 1 and 2 NO_x Ozone Trading Programs. The final rule does not include ozone season NO_x emission limits for non-EGUs.

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 (NO_x) and to hold TR annual NO_x 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 60, Subpart A

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

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.

Division of Air Resources
Permit Review Report

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

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 (d)

This subdivision sets the sulfur-in-fuel limitation for distillate oil fired emission sources throughout the State.

6 NYCRR 227-1.4 (a)

This subdivisions sets the opacity standard for subject stationary combustion installations.

6 NYCRR 242-1.5

His regulation requires that the facility hold enough carbon dioxide allowances in their carbon dioxide budget at least equal to the amount of carbon dioxide emitted from the facility each year.

6 NYCRR 251.3 (b)

Emission limits for non-modified sources.

6 NYCRR Subpart 227-2

This regulation limits the emission of oxides of nitrogen (NO_x) from stationary combustion installations (boilers, combustion turbines and internal combustion engines).

6 NYCRR Subpart 242-8

Citation 6NYCRR Part 242-8.5 requires that the record keeping and reporting requirements of 40 CFR Part 75.73 and 6NYCRR Part 242-2.1(e) be followed, that a CO₂ monitoring plan(s) be submitted, that the CO₂ emission monitor(s) be certified, and that CO₂ emissions be reported quarterly in an electronic format.

**Division of Air Resources
Permit Review Report**

**Permit ID: 4-0122-00078/00013
Renewal Number: 2
02/04/2022**

**Compliance Certification
Summary of monitoring activities at SELKIRK COGENERATION PROJECT:**

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

FACILITY	27	work practice involving specific operations
FACILITY	28	work practice involving specific operations
FACILITY	29	record keeping/maintenance procedures
FACILITY	30	record keeping/maintenance procedures
FACILITY	31	record keeping/maintenance procedures
FACILITY	32	record keeping/maintenance procedures
FACILITY	33	record keeping/maintenance procedures
FACILITY	34	record keeping/maintenance procedures
FACILITY	35	record keeping/maintenance procedures
U-00001	63	work practice involving specific operations
U-00001	64	record keeping/maintenance procedures
U-00001/00001	69	work practice involving specific operations
U-00001/00001	70	work practice involving specific operations
U-00001/00001	71	work practice involving specific operations
U-00001/00001	72	record keeping/maintenance procedures
U-00001/00001	73	work practice involving specific operations
U-00001/00001/1AG	74	continuous emission monitoring (cem)
U-00001/00001/1AG	75	continuous emission monitoring (cem)
U-00001/00001/1AG/OOGT1	76	intermittent emission testing
U-00001/00001/1AG/OOGT1	77	intermittent emission testing
U-00001/00001/1AG/OOGT1	78	intermittent emission testing
U-00001/00001/1AO	79	continuous emission monitoring (cem)
U-00001/00001/1AO	80	continuous emission monitoring (cem)
U-00001/00001/1AO/OOGT1	81	intermittent emission testing
U-00001/00001/1AO/OOGT1	82	intermittent emission testing
U-00001/00001/1AO/OOGT1	83	intermittent emission testing
U-00001/00001/1BG/OOGT1	84	intermittent emission testing
U-00001/00001/1BG/OOGT1	85	intermittent emission testing
U-00001/00001/1BG/OOGT1	86	intermittent emission testing
U-00001/00001/1BG/OOGT1	87	intermittent emission testing
U-00001/00001/1BO/OOGT1	88	intermittent emission testing
U-00001/00001/1BO/OOGT1	89	intermittent emission testing
U-00001/00001/1BO/OOGT1	90	intermittent emission testing
U-00001/00001/1BO/OOGT1	91	intermittent emission testing
U-00001/00001/1DB/OODB1	92	intermittent emission testing
U-00001/00001/1DB/OODB1	93	intermittent emission testing
U-00001/00001/1DB/OODB1	94	intermittent emission testing
U-00001/00001/1DB/OODB1	95	intermittent emission testing
U-00001/00001/1DB/OODB1	96	intermittent emission testing
U-00001/00001/1DB/OODB1	97	intermittent emission testing
U-00001/00001/1DB/OODB1	98	intermittent emission testing
U-00001/00001/1DB/OODB1	99	intermittent emission testing
U-00001/00001/1DB/OODB1	100	intermittent emission testing
U-00001/00001/1DB/OODB1	101	intermittent emission testing
U-00001/00001/1DB/OODB1	102	intermittent emission testing
U-00001/00001/1DB/OODB1	103	intermittent emission testing
U-00001/00001/1GL/OOGT1	104	intermittent emission testing
U-00001/00001/1GL/OOGT1	105	intermittent emission testing
U-00001/00001/1GL/OOGT1	106	intermittent emission testing
U-00001/00001/1GL/OOGT1	107	intermittent emission testing
U-00001/00001/1HG	108	continuous emission monitoring (cem)
U-00001/00001/1HG	109	continuous emission monitoring (cem)

**Division of Air Resources
Permit Review Report**

**Permit ID: 4-0122-00078/00013
Renewal Number: 2
02/04/2022**

U-00001/00001/1HG/OOGT1	110	intermittent emission testing
U-00001/00001/1HO	111	continuous emission monitoring (cem)
U-00001/00001/1HO	112	continuous emission monitoring (cem)
U-00001/00001/1HO/OOGT1	113	intermittent emission testing
U-00001/00001/1LF/OOGT1	114	intermittent emission testing
U-00001/00001/1LF/OOGT1	115	intermittent emission testing
U-00001/00001/1LF/OOGT1	116	intermittent emission testing
U-00001/00001/1LF/OOGT1	117	intermittent emission testing
U-00001/00001/1LG	118	continuous emission monitoring (cem)
U-00001/00001/1LG	119	continuous emission monitoring (cem)
U-00001/00001/1LG/OOGT1	120	intermittent emission testing
U-00001/00001/1LO	121	continuous emission monitoring (cem)
U-00001/00001/1LO	122	continuous emission monitoring (cem)
U-00001/00001/1LO/OOGT1	123	intermittent emission testing
U-00001/00001/1MG	124	continuous emission monitoring (cem)
U-00001/00001/1MG	125	continuous emission monitoring (cem)
U-00001/00001/1MG/OOGT1	126	intermittent emission testing
U-00001/00001/1MO	127	continuous emission monitoring (cem)
U-00001/00001/1MO	128	continuous emission monitoring (cem)
U-00001/00001/1MO/OOGT1	129	intermittent emission testing
U-00002	133	work practice involving specific operations
U-00002	134	record keeping/maintenance procedures
U-00002	135	record keeping/maintenance procedures
U-00002	136	work practice involving specific operations
U-00002/-/23G	137	continuous emission monitoring (cem)
U-00002/-/23G	138	continuous emission monitoring (cem)
U-00002/-/23G	139	continuous emission monitoring (cem)
U-00002/-/23G	140	continuous emission monitoring (cem)
U-00002/-/23G	141	continuous emission monitoring (cem)
U-00002/-/23G	142	continuous emission monitoring (cem)
U-00002/-/23G/OGT23	143	intermittent emission testing
U-00002/-/23G/OGT23	144	intermittent emission testing
U-00002/-/23G/OGT23	145	intermittent emission testing
U-00002/-/23G/OGT23	146	intermittent emission testing
U-00002/-/230	147	continuous emission monitoring (cem)
U-00002/-/230	148	continuous emission monitoring (cem)
U-00002/-/230	149	continuous emission monitoring (cem)
U-00002/-/230	150	continuous emission monitoring (cem)
U-00002/-/230	151	continuous emission monitoring (cem)
U-00002/-/230	152	continuous emission monitoring (cem)
U-00002/-/230/OGT23	153	intermittent emission testing
U-00002/-/230/OGT23	154	intermittent emission testing
U-00002/-/230/OGT23	155	intermittent emission testing
U-00002/-/230/OGT23	156	intermittent emission testing
U-00002/-/230/OGT23	157	intermittent emission testing
U-00002/-/230/OGT23	158	intermittent emission testing
U-00002/-/2DB/ODB23	161	intermittent emission testing
U-00002/-/2DB/ODB23	162	intermittent emission testing
U-00002/-/2DB/ODB23	163	intermittent emission testing
U-00002/-/2DB/ODB23	164	intermittent emission testing
U-00002/-/2DB/ODB23	165	intermittent emission testing
U-00002/-/2DB/ODB23	166	intermittent emission testing
U-00002/-/2DB/ODB23	167	intermittent emission testing
U-00002/-/2DB/ODB23	168	intermittent emission testing
U-00002/-/2DB/ODB23	169	intermittent emission testing
U-00002/-/2DB/ODB23	170	intermittent emission testing
U-00002/-/2DB/ODB23	171	intermittent emission testing
U-00002/-/2DB/ODB23	172	intermittent emission testing
U-00002/-/2GB/OGT23	173	intermittent emission testing
U-00002/-/2GB/OGT23	174	intermittent emission testing
U-00002/-/2GB/OGT23	175	intermittent emission testing
U-00002/-/2GB/OGT23	176	intermittent emission testing
U-00002/-/2GL/OGT23	177	intermittent emission testing
U-00002/-/2GL/OGT23	178	intermittent emission testing
U-00002/-/2GL/OGT23	179	intermittent emission testing

**Division of Air Resources
Permit Review Report**

Permit ID: 4-0122-00078/00013

Renewal Number: 2

02/04/2022

U-00002/-/2GL/OGT23	180	intermittent emission testing
U-00002/-/2OB/OGT23	181	intermittent emission testing
U-00002/-/2OB/OGT23	182	intermittent emission testing
U-00002/-/2OB/OGT23	183	intermittent emission testing
U-00002/-/2OB/OGT23	184	intermittent emission testing
U-00002/-/2OL/OGT23	185	intermittent emission testing
U-00002/-/2OL/OGT23	186	intermittent emission testing
U-00002/-/2OL/OGT23	187	intermittent emission testing
FACILITY	52	record keeping/maintenance procedures
FACILITY	53	record keeping/maintenance procedures
FACILITY	54	record keeping/maintenance procedures
U-00001	65	record keeping/maintenance procedures
U-00001	66	record keeping/maintenance procedures
FACILITY	55	record keeping/maintenance procedures
FACILITY	56	record keeping/maintenance procedures
FACILITY	57	record keeping/maintenance procedures
U-00001	60	continuous emission monitoring (cem)
U-00001	61	continuous emission monitoring (cem)
U-00002	130	continuous emission monitoring (cem)
U-00002	131	continuous emission monitoring (cem)
U-00002	132	continuous emission monitoring (cem)
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	7	record keeping/maintenance procedures
FACILITY	24	work practice involving specific operations
FACILITY	25	record keeping/maintenance procedures
U-00001	62	continuous emission monitoring (cem)
FACILITY	192	record keeping/maintenance procedures
FACILITY	193	record keeping/maintenance procedures
U-00001	194	continuous emission monitoring (cem)

Basis for Monitoring

This facility is an electrical generating facility which makes its operations subject to the monitoring provisions as stated in 40 CFR Part 75. This requires the facility to continuously monitor NOx, carbon monoxide, and ammonia slip in order to demonstrate compliance with the PSD limits.

6 NYCRR Part 227-2, NOx RACT: The combustion turbines and duct burners in this permit are subject to LAER requirements for NOx which are more stringent than the applicable NOx RACT requirements. Further, the LAER conditions currently in the permit require the facility to install, maintain, and operate NOx CEMS in accordance with 40 CFR Part 75. Accordingly, the Department has streamlined this permit to include only the the more stringent LAER conditions for NOx emissions. By complying with these requirements the facility is also complying with the applicable provisions of NOx RACT.

40 CFR Part 60, Subpart KKKK - Standards of Performance for Stationary Combustion Turbines - Although there are some conditions with NOx and SO2 limits with regards to subpart KKKK, many of the requirements on subpart KKKK are less stringent than the corresponding requirements that LAER imposes. The LAER conditions currently in the permit already require the facility to install, maintain, and operate NOx and SO2 CEMS in accordance with Part 75. Accordingly, the Department has streamlined this permit to include mostly the more stringent LAER conditions for NOx and SO2 emissions. By complying with these requirements the facility is also complying with the applicable provisions of Subpart KKKK.

40 CFR Part 60 Subpart TTTT - Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units - This rule doesn't apply to this facility because this facility was built prior to January 8,

**Division of Air Resources
Permit Review Report**

**Permit ID: 4-0122-00078/00013
Renewal Number: 2
02/04/2022**

2014 and has not reconstructed or modified to an extent that would make the facility subject to this regulation.