COPY

TRC
Results you can rely on

Wannalancit Mills
650 Suffolk St., Suite 200
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

www.trcsolutions.com

January 23, 2018

NYSDEC
JAN 24 2018
Division of
Environmental Permits

Mr. John Petronella
NYSDEC Regional Permit Administrator
Region 3 Headquarters
21 South Putt Corners Road
New Paltz, New York 12561-1696

RE: Permit ID: 3-3356-00136/00001
CPV Valley, LLC
CPV Valley Energy Center
Air State Facility and Acid Rain Permit Renewal Applications

Dear Mr. Petronella:

On behalf of CPV Valley, LLC, TRC is submitting an original and one copy of the Air State Facility permit renewal application package for the CPV Valley Energy Center. In accordance with 6 NYCRR 621.11 and permit condition 3, sources must submit a major source air permit renewal application to the New York State Department of Environmental Conservation (NYSDEC) at least 180 days prior to the date of permit expiration. CPV Valley's Air State Facility permit expires on July 31, 2018, and therefore, an air permit renewal application is due to NYSDEC on or before February 1, 2018. CPV Valley, LLC is seeking the benefit of the State Administrative Procedures Act by submitting this timely and sufficient major source air permit renewal application to NYSDEC before the February 1, 2018 deadline. Minor administrative changes, such as, contact information has been updated. There are no changes in this permit renewal of the conditions of the existing permit. Note that the required documentation was submitted with the original application, and not duplicated with the renewal application.

Acid Rain Permit Renewal Application

EPA requires that Acid Rain permit renewal applications be submitted at least six months in advance of the expiration of the current Acid Rain permit, which expires on July 31, 2018 for the CPV Valley Energy Center. Therefore, CPV Valley, LLC is submitting the Acid Rain permit renewal application along with the Air State Facility permit renewal application.

The NYSDEC State Facility Air Permit Renewal Application forms provided as Attachment 1 include the current source identification information in Section II. Attachment 2 includes the Acid Rain permit renewal application forms.

TRC looks forward to working with NYSDEC to obtain approval of this Air State Facility Permit renewal. If you should have any questions or require further information regarding this submission, please feel free to contact me at llefebvre@trcsolutions.com or 978.970.5600 or Ted Main, TRC Principal Meteorologist, at 201.508.6960 or TMain@trcsolutions.com.

Sincerely,

TRC

Laura Lefebvre

Laura Lefebvre, PE
Senior Project Manager

cc: Christopher Hogan, DEC Central Office (two copies)
George Sweikert, Region III Air Pollution Control Engineer
John Breen, CPV Valley, LLC
Ben Stanley, DGC Operations, LLC
Peter Belmonte, PE, TRC
Theodore (Ted) Main, TRC Principal Consulting Meteorologist

Attachments: NYSDEC Permit Renewal Application Forms/Supporting Documentation
Acid Rain Permit Renewal Application

Attachment 1

NYSDEC State Facility Air Permit Renewal Application Forms and Supporting Documentation

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID	Application ID	Application Type
3-3356-00136	- - /	× State Facility Title V

Section I - Certification

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information required to complete this application, I believe the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Responsible Official John Breen	Title Asset Management Rep.
Signature	Date 1/22/18

Professional Engineer Certification

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments as they pertain to the practice of engineering. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Professional Engineer Peter Belmonte	NYS License No. 082540
Signature	Date 1/22/18

Section II - Identification Information

Type of Permit Action Requested

New × Renewal Significant Modification Administrative Amendment Minor Modification

Application for the construction of a new facility Application involves the construction of new emission unit(s)

Facility Information

Name CPV Valley Energy Center

Location Address 3330 Route 6

× City / Town / Village Middletown, NY Zip 10940

Owner/Firm Information

Business Taxpayer ID: 47-3947219

Name CPV Valley LLC.

Street Address 8403 Colesville Road Suite 915

City Silver Spring | State/Province MD | Country US | Zip 20910

Owner Classification: Federal State Municipal × Corporation/Partnership Individual

Owner/Firm Contact Information

Name John Breen Phone 781-848-5387

E-mail Address JBreen@cpv.com Fax

Affiliation Asset Management Represenative Title Asset Management Rep.

Street Address 50 Braintree Hill Office Park Suite 300

City Braintree | State/Province MA | Country US | Zip 02184

Facility Contact Information

Name Ben Stanley Phone 845-649-8300

E-mail Address ben.stanley@dgc-ops.com Fax

Affiliation Operator Title Plant Manager

Street Address 3330 Route 6

City Middletown | State/Province NY | Country US | Zip 10940

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00013-6

Project Description × Continuation Sheet(s)

Competitive Power Ventures, Inc. (CPV) is to construct, own and operate the CPV Valley Energy Center, a 630 megawatt (MW) natural gas-fired electric generating facility. The CPV Valley Energy Center will use ultra-low sulfur distillate oil for back-up for reliability purposes. The CPV facility will use "combined cycle" generation technology and will be comprised of two combined-cycle units, each consisting of a combustion turbine generator (CTG), a Heat Recovery Steam Generator (HRSG) with supplemental duct firing, and a steam turbine generator (STG).

Section III - Facility Information

Facility Classification

Hospital Residential Educational/Institutional Commercial Industrial × Utility

Affected States (Title V Applications Only)

Vermont Massachusetts Rhode Island Pennsylvania Tribal Land: _____
New Hampshire Connecticut New Jersey Ohio Tribal Land: _____

SIC Code(s)			NAICS Code(s)			
4911						

Facility Description × Continuation Sheet(s)

The CPV Valley Energy Center will consist of two dual fuel-fired Siemens F-class combustion turbine generators (CTGs), with a maximum heat input of 2,234 mm Btu/hr, each when operating on natural gas at base load, two 500 mmBtu/hr supplementary natural gas-fired duct burners, two heat recovery steam generators

Compliance Statements (Title V Applications Only)

I certify that as of the date of this application the facility is in compliance with all applicable requirements. Yes No

If one or more emission units at the facility are not in compliance with all applicable requirements at the time of signing this application (the 'NO' box must be checked), the noncomplying units must be identified in the "Compliance Plan" block on page 8 of this form along with the compliance plan information required. For all emission units at the facility that are operating in compliance with all applicable requirements, complete the following:

This facility will continue to be operated and maintained in such a manner as to assure compliance for the duration of the permit, except those emission units referenced in the compliance plan portion of this application.

For all emission units subject to any applicable requirements that will become effective during the term of the permit, this facility will meet such requirements on a timely basis.

Compliance certification reports will be submitted at least once per year. Each report will certify compliance status with respect to each applicable requirement, and the method used to determine the status.

Facility Applicable Federal Requirements × Continuation Sheet(s)

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
40	CFR	82	F						
40	CFR	72	A						
40	CFR	60	A						

Facility State Only Requirements × Continuation Sheet(s)

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	293							
6	NYCRR	202	1						
6	NYCRR	202	2						
6	NYCRR	621							

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID											
3	-	3	3	5	6	-	0	0	1	3	6

Section II - Identification Information

Project Description (continuation)

Auxiliary equipment will include a low nitrogen oxide (NOx) natural gas-fired auxiliary boiler, needed to keep the HRSGs warm during periods of turbine shutdown and to provide sealing steam during startups. The stacks for the facility will be 275 feet tall. The project will be located on an approximately 122-acre site in Wawayanda, Orange County, New York. The proposed project activities will be located on an approximately 21-acre area that is bounded to the east by State Route 17M/6; to the north by State Route 6 and to the south by Interstate 84.

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID											
3	-	3	3	5	6	-	0	0	1	3	6

Section III - Facility Information

Facility Description (continuation)

(HRSGs) and a single steam turbine generator (STG). Supporting ancillary equipment includes a 73.5 mmBtu/hr natural gas fired auxiliary boiler, a 15.43 mmBtu/hr ULSD emergency generator, two 5.02 mmBtu/hr dew point fuel gas heaters and a 2.27 mmBtu/hr ULSD fire water pump engine. The proposed CTGs will be fueled by natural gas. Ultra-low sulfur diesel may be used as backup fuel for up to 720 hours per year per turbine. The duct burners will fire natural gas exclusively. The CTGs will utilize dry low-NOx (DLN) combustors for gas firing and water injection for control of nitrogen oxides (NOx) when firing ultra-low sulfur diesel. Selective catalytic reduction (SCRs) systems will be used to further control NOx emissions. Oxidation catalysts and efficient combustion controls will be used to control emissions of carbon monoxide (CO) as well as volatile organic compounds (VOCs). Emissions of SO2 and PM/PM-10 will be minimized through the use of pipeline natural gas and ULSD as backup, as well as efficient combustion controls. Upon leaving the SCRs, turbines gases will be directed to individual stacks at 275 feet above grade with a flue diameter of 19 feet. In addition, CTGs inlet air will be cooled using an evaporative cooler when ambient temperatures are high, to improve CTGs efficiency.

The auxiliary boiler will employ low-NOx burners (LNB) and flue gas recirculation (FGR) to control emissions of NOx. The auxiliary boiler will operate as needed to keep the HRSG warm during periods of turbine shutdown and to provide sealing steam to the steam turbine in the case of warm and hot startups. Total boiler hours for the facility will be limited to 2,000 hours per year.

The dew point fuel gas heaters will employ a forced draft burners to reduce NOx emissions. The units will heat the natural gas to optimum firing temperature. The dew point heaters are proposed to operate up to 8,760 hours per year.

The emergency diesel fire pump will provide provide on-site fire fighting capability independent of the utility grid. The emergency diesel generator will be operated only for testing and to maintain operational readiness or if needed for emergency operation. Each emergency engine will be allowed to operate for up to 500 hours per year.

Only the facility's combustion turbines, duct burners and auxiliary boiler are subject to NYSDEC NOx RACT provisions.

The dew point heater, the emergency diesel generator and the emergency diesel fire pump are exempt activities pursuant to Part 201-3.2.

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section III - Facility Information

Facility Applicable Federal Requirements (continuation)

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
40	CFR	60	KKKK						
40	CFR	60	IIII						
40	CFR	52	HH						
40	CFR	75	A,B,C,D						
40	CFR	75	F,G						

Continuation Sheet 2 of 2

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3 - 3 3 5 6 - 0 0 1 3 6

Section III - Facility Information

Facility State Only Requirements (continuation)

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	200	3						
6	NYCRR	200	5						
6	NYCRR	200	6						
6	NYCRR	200	7						
6	NYCRR	201	1						
6	NYCRR	201	2						
6	NYCRR	201	3	1					
6	NYCRR	201	3	2					
6	NYCRR	201	3	3					
6	NYCRR	201	6						
6	NYCRR	215							
6	NYCRR	225	1	6	a				
6	NYCRR	225	1	6	b				
6	NYCRR	225	1	2	h				
6	NYCRR	227	1,2						
6	NYCRR	202	1	1					
6	NYCRR	202	1	2					
6	NYCRR	202	1	3					
6	NYCRR	202	1	5					
6	NYCRR	207							
6	NYCRR	211	1,2						
6	NYCRR	231	2						

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3 - 3 3 5 6 - 0 0 1 3 6

Section III - Facility Information

Facility State Only Requirements (continuation)

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	243							
6	NYCRR	244							
6	NYCRR	245							
6	NYCRR	227							
6	NYCRR	621	11						
6	NYCRR	621	13						
6	NYCRR	621	6	a					
6	NYCRR	201	1	4					
6	NYCRR	201	5						
6	NYCRR	201	7						
6	NYCRR	242	1	5					
6	NYCRR	231	5						
6	NYCRR	231	7						

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3 - 3 3 5 6 - 0 0 1 3 6

Facility Compliance Certification × Continuation Sheet(s)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	227	1	3	a				

× Applicable Federal Requirement _ State Only Requirement	Capping	CAS Number	Contaminant Name

Monitoring Information

× Work Practice Involving Specific Operations Ambient Air Monitoring Record Keeping/Maintenance Procedures

Compliance Activity Description

No owner or operator of a combustion installation shall operate the installation in such a way to emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test Method 9 in Appendix A of 40 CFR 60. The opacity standards apply at all times except during periods of start up, shutdown, and malfunction; and all other applicable conditions cited in section 40CFR 60.11.

Work Practice Type Code	Process Material Code	Process Material Description	Reference Test Method
			40 CFR 60, Method 9

Monitored Parameter Code	Monitored Parameter Description	Manufacturer's Name/Model Number
01	Opacity	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
20	0	136	Percent

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
18	6-min average	14	As required	10	Upon Request

Facility Emissions Summary × Continuation Sheet(s)

CAS Number	Contaminant Name	Potential to Emit (tons/yr)	Actual Emissions (pounds/yr)
0NY075 - 00 - 5	PM-10	95	
0NY750 - 02 - 5	PM-2.5	95	
007446 - 09 - 5	Sulfur Dioxide	42	
0NY210 - 00 - 0	Oxides of Nitrogen	186.8	
000630 - 08 - 0	Carbon Monoxide	344	
007439 - 92 - 1	Lead (elemental)	-	
0NY998 - 00 - 0	Total Volatile Organic Compounds	65	
0NY100 - 00 - 0	Total Hazardous Air Pollutants	-	
0NY750 - 00 - 0	Carbon Dioxide Equivalents	2,164,438	
007664-93-9	Sulfuric Acid	13	
007664-41-7	Ammonia	-	

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID											
3	-	3	3	5	6	-	0	0	1	3	6

Section III - Facility Information

Facility Emissions Summary (continuation)

CAS No.	Contaminant Name	PTE (lbs/yr)	PTE Range	Actual (lbs/yr)
106-99-0	1,3 Butadiene		Y	
71-55-6	1, 1, 1-Trichloroethane		Y	
56-49-5	3-Methylchloranthrene		Y	
57-97-6	7, 12-Dimethylbenz(a)anthracene		Y	
83-32-9	Acenaphthene		Y	
208-96-8	Acenaphthylene		Y	
75-07-0	Acetaldehyde		Y	
107-02-8	Acrolein		Y	
120-12-7	Anthracene		Y	
07440-38-2	Arsenic		Y	
56-55-3	Benz(a)anthracene		Y	
71-43-2	Benzene		Y	
50-32-8	Benzo(a)pyrene		Y	
205-99-2	Benzo(b)fluoranthene		Y	
191-24-2	Benzo(g, h, i)perylene		Y	
207-08-9	Benzo(k)fluoranthene		Y	
07740-41-7	Beryllium		Y	
07740-43-9	Cadmium		Y	
07740-47-3	Chromium		Y	
218-01-9	Chrysene		Y	
07740-48-4	Cobalt		Y	
53-70-3	Dibenzo(a, h)anthracene		Y	
106-46-7	Dichlorobenzene		Y	
100-41-4	Ethylbenzene		Y	
206-44-0	Fluoranthene		Y	
7782-96-5	Fluorene		Y	
50-00-0	Formaldehyde		Y	
110-54-3	Hexane		Y	
193-39-5	Indeno(1,2,3-cd)pyrene		Y	
07439-92-1	Lead		Y	

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3 - 3 3 5 6 - 0 0 1 3 6

Section III - Facility Information

Facility Emissions Summary (continuation)

CAS No.	Contaminant Name	PTE (lbs/yr)	PTE Range	Actual (lbs/yr)
07439-96-5	Manganese		Y	
07439-97-6	Mercury		Y	
133-02-7	Xylenes		Y	
91-20-3	Naphthalene		Y	
0770-02-0	Nickel		Y	
130498-29-2	PAH		Y	
85-01-8	Phenanthrene		Y	
	POM		Y	
75-56-9	Propylene Oxide		Y	
129-00-0	Pyrene		Y	
07782-49-2	Selenium		Y	
108-88-3	Toluene		Y	

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

ID (Old)
3-3356-00136

Section III - Facility Information

Facility Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
40	CFR	52	21	b	23				

☒ Applicable Federal Requirement
☐ State Only Requirement
☐ Capping

CAS No.	Contaminant Name
NY075-00-5	Particulate

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☒ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

Facility PM10 emissions are subject to BACT. The facility is proposing to limit the sulfur content of combustion fuel oil to 0.0015% sulfur by weight . The sulfur content of the fuel will be certified by the vendor and monitored by the facility.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
04	007	number 2 oil	ASTM D 2880-71

Parameter Code	Parameter Description	Manufacturer Name/Model No.
32	sulfur content	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0015		57	Percent by weight.

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
01	Maximum - not to be exceeded	11	per delivery	10	Upon Request

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Facility ID
3 - 3 3 5 6 - 0 0 1 3 6

Section III - Facility Information

Facility Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
40	CFR	52	21	b	23				

☒ Applicable Federal Requirement
☐ State Only Requirement
☐ Capping

CAS No.	Contaminant Name
7664-93-9	Sulfuric Acid

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☒ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

Facility sulfuric acid emissions are subject to BACT. The facility is proposing to limit the sulfur content of combustion fuel oil to 0.0015% sulfur by weight . The sulfur content of the fuel will be certified by the vendor and monitored by the facility.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
04	007	number 2 oil	ASTM D 2880-71

Parameter Code	Parameter Description	Manufacturer Name/Model No.
32	sulfur content	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0015		57	Percent by weight.

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
01	Maximum - not to be exceeded	11	per delivery	10	Upon Request

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Region										
3	-	3	3	5	6	-	0	0	1	3	6

Section III - Facility Information

Facility Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	201	7	2					

☒ Applicable Federal Requirement
☐ State Only Requirement
☐ Capping

CAS No.	Contaminant Name
0NY075-02-5	PM/PM-10/PM 2.5

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☒ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

Potential emissions of PM/PM-10/PM-2.5 will be limited to 95 tpy by an enforceable permit limit. Compliance shall be maintained by monthly calculation of rolling 12-month total PM emissions.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
04	318	Fuel	

Parameter Code	Parameter Description	Manufacturer Name/Model No.
38	Heat Input	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
95		38	tons per year

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
17	annual maximum rolled monthly	01	Continuous	15	Annually (calendar)

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3 - 3 3 5 6 - 0 0 1 3 6

Section IV - Emission Unit Information

Emission Unit Description	Continuation Sheet(s)
Emission Unit	U - 0 0 0 0 1

One Siemens SGT6-5000 F-Class combustion turbine rated at 1,998 mm Btu/hr at 51 °F (2,234 mmBtu/hr at -5°F) on natural gas and (2,145 mmBtu/hr at -5°F) on fuel oil (<0.0015% sulfur). The turbine is equipped with dry low-NOx combustors, steam injection, SCR and oxidation catalyst emission controls. This emission unit also contains a natural gas-fired duct burner rated at a maximum capacity of 500 mmBtu/hr.

Building Information — Continuation Sheet(s)

Building ID	Building Name	Length (ft)	Width (ft)	Orientation
GEN01	Generation Building	304	263	North
ACC01	Air Cooled Condenser	303	267	North
HRSG01	Heat Recovery Steam Generator	220	202	North

Emission Unit Emissions Summary — Continuation Sheet(s)

Emission Unit: U - 0 0 0 0 1

CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Emission Point Information

Continuation Sheet(s)

Emission Point	Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)	Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
EP001	464	275	162	228	195			72.4	1,231,680	546.98048	4584.69287		178	

Emission Source/Control Information

× Continuation Sheet(s)

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number	Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
CT001	C	08/2015	03/2018				Siemens SGT6-5000 Class-F Turbine	2234	25	mmBtu/hr				
DB001	C	08/2015	03/2018				Forney Duct Burner	500	25	mmBtu/hr				
DLN01	K	08/2015	03/2018		103	dry low NOx burner								

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Source/Control (continuation)

Emission Unit: U-00001

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
STI01	K	08/2015	03/2018		028	steam or water injection	
SCR01	K	08/2015	03/2018		033	selective catalytic reduction (SCR)	YARA SCR
OXY01	K	08/2015	03/2018		110	catalytic oxidation	SYNERGY

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Continuation Sheet 1 of 1

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Process Information × Continuation Sheet(s)

Emission Unit	U-0001		Process	P1A

Process Description

Process P1A represents natural gas firing in the Siemens SGT6-5000 Class-F combustion turbine, which is rated at 2,234 mmBtu/hr at -5°F (maximum heat input scenario). Dry low-NOx combustion technology, selective catalytic reduction (SCR) and oxidation catalyst will be used to minimize emissions of NOx, CO, and VOC. The quantity per hour throughput listed below represents the maximum firing rate (2,234 mm Btu/hr at -5°F) and the quantity per year throughput represents the turbine at the firing rate at the annual average ambient temperature of 51 °F (1,998 mmBtu/hr). Natural gas Higher Heating Value (HHV) is assumed to be 1,048 Btu/cubic foot.

Source Classification Code (SCC)	Total Throughput		Throughput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
2-01-002-01	2.13	16700	0115	million cubic feet of natural gas

Confidential / × Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hours/Day	Days/Year		
	24	365		

Emission Point Identifier(s)

CT001	DLN01	SCR01	OXY01			

Emission Source/Control Identifier(s)

Emission Unit	U-0001		Process	P2A

Process Description

Process P2A represents combined natural gas firing in the Siemens SGT6-5000 Class-F combustion turbine, which is rated at 2,234 mmBtu/hr at -5°F (maximum heat input scenario) and natural gas firing with in the duct burner, which is rated at 500 mmBtu/hr. Dry low-NOx combustion technology, selective catalytic reduction (SCR) and oxidation catalyst will be used to minimize emissions of NOx, CO, and VOC. The quantity per hour throughput listed below represents the maximum firing rate of the turbine (2,234 mmBtu/hr at -5°F) plus the duct burner at rated capacity (500 mm Btu/hr) and the quantity per year throughput represents 8,760 hours of natural gas firing in the turbine at the annual average ambient temperature of 51 °F (1,998 mmBtu/hr) plus 2,628 hours of natural gas firing in the duct burner at rated capacity (500 mmBtu/hr). Natural gas Higher Heating Value (HHV) is assumed to be 1,048 Btu/cubic foot.

Source Classification Code (SCC)	Total Throughput		Throughput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
2-01-002-01	2.61	17954	0115	million cubic feet of natural gas

Confidential / × Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hours/Day	Days/Year		
	24	365		

Emission Point Identifier(s)

CT001	DB001	DLN01	SCR01	OXY01		

Emission Source/Control Identifier(s)

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Process Information (continuation)

Emission Unit	U-00001	Process	P3A

Description

Process P3A represents fuel oil firing in the Class-F combustion turbine, which is rated at 2,145 mm Btu/hr at -5 F (maximum heat input scenario). Dry low-NOx combustion technology, steam or water injection, selective catalytic reduction (SCR) and oxidation catalyst will be used to minimize emissions of NOx, CO, and VOC. The quantity per hour throughput listed below represents the maximum firing rate (2,145 mm Btu/hr at -5 F) and the quantity per year fuel oil firing at the firing rate at -5 F ambient temperature. Fuel oil Higher Heating Value (HHV) is assumed to be 139,728 throughput represents 720 hours of Btu/gallon.

Source Classification Code (SCC)	Total Throughput Quantity/Hr	Total Throughput Quantity/Yr	Throughput Quantity Units Code	Throughput Quantity Units Description
2-01-001-01	15.351	11053	0607	1000 gallons burned

☐ Confidential
☒ Operating at Maximum Capacity

Operating Schedule Hrs/Day	Operating Schedule Days/Yr	Building	Floor/Location
24	30		

Emission Point Identifier(s)

CT001	DLN01	STI01	SCR01	OXY01		

Emission Source/Control Identifier(s)

Emission Unit	-	Process

Description

Source Classification Code (SCC)	Total Throughput Quantity/Hr	Total Throughput Quantity/Yr	Throughput Quantity Units Code	Throughput Quantity Units Description

☐ Confidential
☐ Operating at Maximum Capacity

Operating Schedule Hrs/Day	Operating Schedule Days/Yr	Building	Floor/Location

Emission Point Identifier(s)

Emission Source/Control Identifier(s)

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Description	Continuation Sheet(s)
Emission Unit	U-00002

One Siemens SGT6-5000 F-Class combustion turbine rated at 1,998 mm Btu/hr at 51 °F (2,234 mmBtu/hr at -5°F) on natural gas and (2,145 mmBtu/hr at -5°F) on fuel oil (<0.0015% sulfur). The turbine is equipped with dry low-NOx combustors, steam injection, SCR and oxidation catalyst emission controls. This emission unit also contains a natural gas-fired duct burner rated at a maximum capacity of 500 mmBtu/hr.

Building Information — Continuation Sheet(s)

Building ID	Building Name	Length (ft)	Width (ft)	Orientation
GEN02	Generation Building	304	263	North
ACC02	Air Cooled Condenser	303	267	North
HRSG02	Heat Recovery Steam Generator	220	202	North

Emission Unit	Emission Unit Emissions Summary			Continuation Sheet(s)
U-00002				
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Emission Point Information

Continuation Sheet(s)

Emission Point	EP002					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section	
					Length (in)	Width (in)
464	275	162	228	195		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
72.4	1,231,680	546.99053	4584.65455		305	

Emission Point						
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section	
					Length (in)	Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

Emission Point						
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section	
					Length (in)	Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

Emission Source/Control Information

× Continuation Sheet(s)

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
CT002	C	08/2015	03/2018				Siemens SGT6-5000 Class-F Turbine

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
2234	25	mmBtu/hr				

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
DB002	C	08/2015	03/2018				Forney Duct Burner

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
500	25	mmBtu/hr				

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
DLN02	K	08/2015	03/2018		103	dry low NOx burner	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Source/Control (continuation)

Emission Unit: U-00002

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
STI02	K	08/2015	03/2018		028	steam or water injection	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
SCR02	K	08/2015	03/2018		033	selective catalytic reduction (SCR)	YARA SCR

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.
OXY02	K	08/2015	03/2018		110	catalytic oxidation	SYNERGY

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Emission Source Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model No.

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Continuation Sheet 1 of 1

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Process Information × Continuation Sheet(s)

Emission Unit	U-0002		Process	P01

Process Description

Process P01 represents natural gas firing in the Siemens SGT6-5000 Class-F combustion turbine, which is rated at 2,234 mmBtu/hr at -5°F (maximum heat input scenario). Dry low-NOx combustion technology, selective catalytic reduction (SCR) and oxidation catalyst will be used to minimize emissions of NOx, CO, and VOC. The quantity per hour throughput listed below represents the maximum firing rate (2,234 mm Btu/hr at -5°F) and the quantity per year throughput represents the turbine at the firing rate at the annual average ambient temperature of 51 °F (1,998 mmBtu/hr). Natural gas Higher Heating Value (HHV) is assumed to be 1,048 Btu/cubic foot.

Source Classification Code (SCC)	Total Throughput		Throughput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
2-01-002-01	2.13	16700	0115	million cubic feet of natural gas

Confidential / × Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hours/Day	Days/Year		
	24	365		

Emission Point Identifier(s)

CT002	DLN02	SCR02	OXY02			

Emission Source/Control Identifier(s)

Emission Unit	U-0002		Process	P02

Process Description

Process P02 represents combined natural gas firing in the Siemens SGT6-5000 Class-F combustion turbine, which is rated at 2,234 mmBtu/hr at -5°F (maximum heat input scenario) and natural gas firing with the duct burner, which is rated at 500 mmBtu/hr. Dry low-NOx combustion technology, selective catalytic reduction (SCR) and oxidation catalyst will be used to minimize emissions of NOx, CO, and VOC. The quantity per hour throughput listed below represents the maximum firing rate of the turbine (2,234 mmBtu/hr at -5°F) plus the duct burner at rated capacity (500 mm Btu/hr) and the quantity per year throughput represents 8,760 hours of natural gas firing in the turbine at the annual average ambient temperature of 51 °F (1,998 mmBtu/hr) plus 2,628 hours of natural gas firing in the duct burner at rated capacity (500 mmBtu/hr). Natural gas Higher Heating Value (HHV) is assumed to be 1,048 Btu/cubic foot.

Source Classification Code (SCC)	Total Throughput		Throughput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
2-01-002-01	2.61	17954	0115	million cubic feet of natural gas

Confidential / × Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hours/Day	Days/Year		
	24	365		

Emission Point Identifier(s)

CT002	DB002	DLN02	SCR02	OXY02		

Emission Source/Control Identifier(s)

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Process Information (continuation)

Emission Unit	U-00002	Process	P03

Description

Process P03 represents fuel oil firing in the Siemens SGT6-5000 Class-F combustion turbine, which is rated at 2,145 mm Btu/hr at -5 F (maximum heat input scenario). Dry low-NOx combustion technology, steam or water injection, selective catalytic reduction (SCR) and oxidation catalyst will be used to minimize emissions of NOx, CO, and VOC. The quantity per hour throughput listed below represents the maximum firing rate (2,145 mm Btu/hr at -5 F) and the quantity per year fuel oil firing at the firing rate at -5 F ambient temperature. Fuel oil Higher Heating Value (HHV) is assumed to be 139,728 throughput represents 720 hours of Btu/gallon.

Source Classification Code (SCC)	Total Throughput Quantity/Hr	Total Throughput Quantity/Yr	Throughput Quantity Units Code	Throughput Quantity Units Description
2-01-001-01	15.351	11053	0607	1000 gallons burned

☐ Confidential
☒ Operating at Maximum Capacity

Operating Schedule Hrs/Day	Operating Schedule Days/Yr	Building	Floor/Location
24	30		

Emission Point Identifier(s)

CT002	DLN02	STI02	SCR02	OXY02		

Emission Source/Control Identifier(s)

Emission Unit		Process	

Description

Source Classification Code (SCC)	Total Throughput Quantity/Hr	Total Throughput Quantity/Yr	Throughput Quantity Units Code	Throughput Quantity Units Description

☐ Confidential
☐ Operating at Maximum Capacity

Operating Schedule Hrs/Day	Operating Schedule Days/Yr	Building	Floor/Location

Emission Point Identifier(s)

Emission Source/Control Identifier(s)

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3 - 3 3 5 6 - 0 0 1 3 6

Section IV - Emission Unit Information

Emission Unit Description Continuation Sheet(s)

Emission Unit: U - 0 0 0 0 3

One 73.5 mmBtu/hr auxiliary boiler that will fire natural gas exclusively. The boiler hours will be limited to 2000 hours per year. The boiler will operate primarily to assist with startups and shutdowns of the turbine.

Building Information Continuation Sheet(s)

Building ID	Building Name	Length (ft)	Width (ft)	Orientation
GEN02	Generation Building	304	263	North

Emission Unit: U - 0 0 0 0 3

Emission Unit Emissions Summary Continuation Sheet(s)

CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Emission Point Information

Continuation Sheet(s)

Emission Point	EP003					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
464	275	162	228	195		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
72.4	1,231,680	546.99053	4584.65455		305	

Emission Point						
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

Emission Point						
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section Length (in)	Cross Section Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

Emission Source/Control Information

Continuation Sheet(s)

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
AUX01	C	08/2015	03/2018			low NOx burner	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
73.5	25	mmBtu/hr				

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
LNB01	K	08/2015	03/2018		102	low NOx burner	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
FGR01	K	08/2015	03/2018		026	flue gas recirculation	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Process Information — Continuation Sheet(s)

Emission Unit	U-00003	Process	P3B

Process Description

Process P3B represents natural gas firing in the auxiliary boiler, which is rated at 73.5 mmBtu/hr. Total natural gas usage will not exceed 2,000 full load boiler hours per year. Natural gas Higher Heating Value (HHV) is assumed to be 1,048 Btu/cubic foot.

Source Classification Code (SCC)	Total Throughput		Throughput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
1-02-006-02	0.07	140.27	0115	million cubic feet of natural gas

Confidential	Operating Schedule		Building	Floor/Location
× Operating at Maximum Capacity	Hours/Day	Days/Year		
	24	365		

Emission Point Identifier(s)

AUX01	LNB01	FGR01				

Emission Source/Control Identifier(s)

Emission Unit	-	Process

Process Description

Source Classification Code (SCC)	Total Throughput		Throughput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description

Confidential	Operating Schedule		Building	Floor/Location
Operating at Maximum Capacity	Hours/Day	Days/Year		

Emission Point Identifier(s)

Emission Source/Control Identifier(s)

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3 - 3 3 5 6 - 0 0 1 3 6

Section IV - Emission Unit Information

Emission Unit Description Continuation Sheet(s)

Emission Unit U - 0 0 0 0 4

Kohler Power System
Model: 1000REOZDE
Engine Manufacturer: Detroit Diesel/MTU
Engine Model: 16V2000 G85 R163-8A37
Engine: type 4-Cycle,Turbocharged, Intercooled

Building Information Continuation Sheet(s)

Building ID	Building Name	Length (ft)	Width (ft)	Orientation
DGB01	Generation Building	39	22	

Emission Unit U - 0 0 0 0 4

Emission Unit Emissions Summary Continuation Sheet(s)

CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Emission Point Information

Continuation Sheet(s)

Emission Point	EP004					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section	
					Length (in)	Width (in)
464	50	27	18	764		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
104.3	11061	547.12988	4584.6514	DGB01	262	

Emission Point						
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section	
					Length (in)	Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

Emission Point						
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section	
					Length (in)	Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

Emission Source/Control Information

Continuation Sheet(s)

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
EG01	C	08/2015	03/2018				16V2000 G85 R163-8A37

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
15.43	0104	mmBtu/hr				

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Process Information									Continuation Sheet(s)		
Emission Unit	U	-	0	0	0	0	4		Process	P	0	4

Process Description

Process P04 represents the emergency generator firing on diesel fuel.

Source Classification Code (SCC)	Total Throughput		Throughput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
2-01-002-01	110.4	55216	0045	gallons

Confidential / * Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hours/Day	Days/Year		
*	500 Hours			

Emission Point Identifier(s)

EG01						

Emission Source/Control Identifier(s)

Emission Unit		-						Process			

Process Description

Source Classification Code (SCC)	Total Throughput		Throughput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description

Confidential / Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hours/Day	Days/Year		

Emission Point Identifier(s)

Emission Source/Control Identifier(s)

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Description

Continuation Sheet(s)

Emission Unit: U-00005

Fire Pump Diesel Engine
Cummins CFP9E-F20

Building Information

Continuation Sheet(s)

Building ID	Building Name	Length (ft)	Width (ft)	Orientation
FPB01	Fire Water Pump Building	22	10	

Emission Unit Emissions Summary

Emission Unit: U-00005

Continuation Sheet(s)

CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Emission Point Information

Continuation Sheet(s)

Emission Point	EP005					
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section	
					Length (in)	Width (in)
464	50	37	6	952		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
136.2	1605	546.81502	4584.66944	FPB01	161	

Emission Point						
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section	
					Length (in)	Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

Emission Point						
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section	
					Length (in)	Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal

Emission Source/Control Information

Continuation Sheet(s)

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
FP01	C	08/2015	03/2018				CFP9E-F20

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
2.27	0104	mmBtu/hr				

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00013-6

Process Information × Continuation Sheet(s)

Emission Unit	U-00005	Process	P05

Process Description

Process P05 represents fire pump firing diesel fuel.

Source Classification Code (SCC)	Total Throughput		Throughput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
2-01-002-01	16.3	8140	0115	gallons

Confidential / × Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hours/Day	Days/Year		
	500 Hours			

Emission Point Identifier(s)

EP01						

Emission Source/Control Identifier(s)

Emission Unit	-	Process	

Process Description

Source Classification Code (SCC)	Total Throughput		Throughput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description

Confidential / Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hours/Day	Days/Year		

Emission Point Identifier(s)

Emission Source/Control Identifier(s)

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3 - 3 3 5 6 - 0 0 1 3 6

Section IV - Emission Unit Information

Emission Unit Description	Continuation Sheet(s)
Emission Unit U - 0 0 0 0 6	
Two Fuel Gas Heaters: Model: Maxon OVENPAK® LE 45 Gas Burners – with SMARTLINK® DS Actuator	

Building Information				Continuation Sheet(s)
Building ID	Building Name	Length (ft)	Width (ft)	Orientation
None	Located Outdoor			

Emission Unit U - 0 0 0 0 6	Emission Unit Emissions Summary			Continuation Sheet(s)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS Number	Contaminant Name			
ERP (lbs/yr)	Potential to Emit		Actual Emissions	
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3 - 3 3 5 6 - 0 0 1 3 6

Emission Point Information

Continuation Sheet(s)

Emission Point							
EP006							
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section		
					Length (in)	Width (in)	
464	125		24	850			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal	
16.07	3029	546.95885	4584.58	Outdoors	156		
Emission Point							
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section		
					Length (in)	Width (in)	
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal	
Emission Point							
Ground Elevation (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section		
					Length (in)	Width (in)	
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal	

Emission Source/Control Information

Continuation Sheet(s)

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number
FGH1	C	08/2015	03/2018		102	Low NOx Burner	

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description
5.02	0104	mmBtu/hr				

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

Emission Source ID	Type	Date of Construction	Date of Operation	Date of Removal	Control Type Code	Control Type Description	Manufacturer's Name/Model Number

Design Capacity	Design Capacity Units Code	Design Capacity Units Description	Waste Feed Code	Waste Feed Description	Waste Type Code	Waste Type Description

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Process Information × Continuation Sheet(s)

Emission Unit	U-00006	Process	P06

Process Description

Process P06 represents two fuel gas heater operating on natural gas.

Source Classification Code (SCC)	Total Throughput		Throughput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description
2-01-002-01	5.02	1832	0104	million Btu heat input

Confidential / × Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hours/Day	Days/Year		
	24	365		

Emission Point Identifier(s)

FGH1						

Emission Source/Control Identifier(s)

Emission Unit	-	Process

Process Description

Source Classification Code (SCC)	Total Throughput		Throughput Quantity Units	
	Quantity/Hr	Quantity/Yr	Code	Description

Confidential / Operating at Maximum Capacity	Operating Schedule		Building	Floor/Location
	Hours/Day	Days/Year		

Emission Point Identifier(s)

Emission Source/Control Identifier(s)

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00013

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements							× Continuation Sheet(s)		
				Title	Type	Part	Subpart	Section	Subdiv.	Parag.	Subparag.	Cl.	Subcl.
U-00001				40	CFR	60	A						
U-00001				40	CFR	75	D						
U-00001				40	CFR	75	F	59					
U-00001				40	CFR	75	F	53	a,b,e,				

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements							× Continuation Sheet(s)		
				Title	Type	Part	Subpart	Section	Subdiv.	Parag.	Subparag.	Cl.	Subcl.
U-00001				6	NYCRR	242							
U-00001				6	NYCRR	243							
U-00001				6	NYCRR	244							
U-00001				6	NYCRR	245							

Emission Unit Compliance Certification Continuation Sheet(s)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	5	4					

× Applicable Federal Requirement | State Only Requirement | Capping

Emission Unit	Emission Point	Process	Emission Source	CAS Number	Contaminant Name
U-00001	EP001	P1A,P2A		NY210-00-0	Oxides of nitrogen

Monitoring Information

× Continuous Emission Monitoring
Intermittent Emission Testing
Ambient Air Monitoring
Monitoring of a Process or Control Device Parameters as a Surrogate
Work Practice Involving Specific Operations
Record Keeping/Maintenance Procedures

Compliance Activity Description

2.0 ppmvd (corrected to 15% 02) NOx emission limit for the combustion turbine (with and without the duct burner) based upon the Higher Heating Value (HHV) of the fuel. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will use CEMS to monitor NOx stack emissions. The emission limits represents LAER.

Work Practice Type Code	Process Material		Reference Test Method
	Code	Description	
			40 CFR Part 60, Appendix A, Method 7E

Monitored Parameter		Manufacturer's Name/Model Number
Code	Description	
23	Concentration	

Limit		Limit Units	
Upper	Lower	Code	Description
2.0		275	parts per million by volume (dry, corrected to 15% 02)

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
08	1-hour average	01	Continuous	07	Quarterly

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-33560-00136

Section IV - Emission Unit Information

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements (continuation)									
				Title	Type	Part	Subpart	Section	Subdiv.	Parag.	Subparag.	Clause	Subcl.
U-00001				40	CFR	75	F	58	b	2,3			
U-00001				40	CFR	75	F	54					
U-00001				40	CFR	75	G						
U-00001				40	CFR	82	F						
U-00001				40	CFR	72	A	6	a	3			
U-00001				40	CFR	72	A	9					
U-00001				40	CFR	60	KKKK	4320	a,b				
U-00001				40	CFR	60	KKKK	4325					
U-00001				40	CFR	60	KKKK	4330	a	1,2			
U-00001				40	CFR	60	KKKK	4333	a,b	1,2			
U-00001				40	CFR	60	KKKK	4335	b	1,2,3			
U-00001				40	CFR	60	KKKK	4350					
U-00001				40	CFR	60	KKKK	4365	a				
U-00001				40	CFR	60	KKKK	4375	a				
U-00001				40	CFR	60	KKKK	4380	b				
U-00001				40	CFR	60	KKKK	4395					
U-00001				40	CFR	60	KKKK	4400					
U-00001				40	CFR	60	KKKK	4405					
U-00001				40	CFR	60	KKKK	4345	a,b,c,d,e				
U-00001				40	CFR	75	B	10					
U-00001				40	CFR	75	B	11	d				
U-00001				40	CFR	75	B	11	d	2			
U-00001				40	CFR	75	B	12	c				
U-00001				40	CFR	75	B	13	b				
U-00001				40	CFR	75	C						
U-00001				40	CFR	60	TTTT						

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3 - 3 3 5 6 - 0 0 1 3 6

Section IV - Emission Unit Information

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements (continuation)									
				Title	Type	Part	Subpart	Section	Subdiv.	Parag.	Subparag.	Clause	Subcl.
U-00001				6	NYCRR	227	2	6					
U-00001				6	NYCRR	227	1	2	a	1			
U-00001				6	NYCRR	227	1	3					
U-00001				6	NYCRR	227	1	4	d				
U-00001				6	NYCRR	227	2	4	e	2			
U-00001				6	NYCRR	251	3	a					

Continuation Sheet 1 of 1

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements							× Continuation Sheet(s)		
				Title	Type	Part	Subpart	Section	Subdiv.	Parag.	Subparag.	Cl.	Subcl.
U-00002				40	CFR	60	A						
U-00002				40	CFR	75	D						
U-00002				40	CFR	75	F	59					
U-00002				40	CFR	75	F	53	a,b,e,				

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements							× Continuation Sheet(s)		
				Title	Type	Part	Subpart	Section	Subdiv.	Parag.	Subparag.	Cl.	Subcl.
U-00002				6	NYCRR	242							
U-00002				6	NYCRR	243							
U-00002				6	NYCRR	244							
U-00002				6	NYCRR	245							

Emission Unit Compliance Certification — Continuation Sheet(s)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	5	4					

× Applicable Federal Requirement — State Only Requirement — Capping

Emission Unit	Emission Point	Process	Emission Source	CAS Number	Contaminant Name
U-00002	EP002	P01,P02		NY210-00-0	Oxides of nitrogen

Monitoring Information

× Continuous Emission Monitoring
Intermittent Emission Testing
Ambient Air Monitoring
Monitoring of a Process or Control Device Parameters as a Surrogate
Work Practice Involving Specific Operations
Record Keeping/Maintenance Procedures

Compliance Activity Description

2.0 ppmvd (corrected to 15% 02) NOx emission limit for the combustion turbine (with and without the duct burner) based upon the Higher Heating Value (HHV) of the fuel. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will use CEMS to monitor NOx stack emissions. The emission limits represents LAER.

Work Practice Type Code	Process Material		Reference Test Method
	Code	Description	
			40 CFR Part 60, Appendix A, Method 7E

Monitored Parameter		Manufacturer's Name/Model Number
Code	Description	
23	Concentration	

Limit		Limit Units	
Upper	Lower	Code	Description
2.0		275	parts per million by volume (dry, corrected to 15% 02)

Averaging Method		Monitoring Frequency		Reporting Requirements	
Code	Description	Code	Description	Code	Description
08	1-hour average	01	Continuous	07	Quarterly

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00013

Section IV - Emission Unit Information

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements (continuation)									
				Title	Type	Part	Subpart	Section	Subdiv.	Parag.	Subparag.	Clause	Subcl.
U-00002				40	CFR	75	F	58	b	2,3			
U-00002				40	CFR	75	F	54					
U-00002				40	CFR	75	G						
U-00002				40	CFR	82	F						
U-00002				40	CFR	72	A	6	a	3			
U-00002				40	CFR	72	A	9					
U-00002				40	CFR	60	KKKK	4320	a,b				
U-00002				40	CFR	60	KKKK	4325					
U-00002				40	CFR	60	KKKK	4330	a	1,2			
U-00002				40	CFR	60	KKKK	4333	a,b	1,2			
U-00002				40	CFR	60	KKKK	4335	b	1,2,3			
U-00002				40	CFR	60	KKKK	4350					
U-00002				40	CFR	60	KKKK	4365	a				
U-00002				40	CFR	60	KKKK	4375	a				
U-00002				40	CFR	60	KKKK	4380	b				
U-00002				40	CFR	60	KKKK	4395					
U-00002				40	CFR	60	KKKK	4400					
U-00002				40	CFR	60	KKKK	4405					
U-00002				40	CFR	60	KKKK	4345	a,b,c,d,e				
U-00002				40	CFR	75	B	10					
U-00002				40	CFR	75	B	11	d				
U-00002				40	CFR	75	B	11	d	2			
U-00002				40	CFR	75	B	12	c				
U-00002				40	CFR	75	B	13	b				
U-00002				40	CFR	75	C						
U-00002				40	CFR	60	TTTT						

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements (continuation)									
				Title	Type	Part	Subpart	Section	Subdiv.	Parag.	Subparag.	Clause	Subcl.
U-00002				6	NYCRR	227	2	6					
U-00002				6	NYCRR	227	1	2	a	1			
U-00002				6	NYCRR	227	1	3					
U-00002				6	NYCRR	227	1	4	d				
U-00002				6	NYCRR	227	2	4	e	2			
U-00002				6	NYCRR	251	3	a					

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3 - 3 3 5 6 - 0 0 1 3 6

Section IV - Emission Unit Information

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements (continuation)									
				Title	Type	Part	Subpart	Section	Subdiv.	Parag.	Subparag.	Clause	Subcl.
U-00003				40	CFR	60	Dc	42c	d				
U-00003				40	CFR	60	Dc	43c	a	2			
U-00003				40	CFR	60	Dc	43c	c				

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3 - 3 3 5 6 - 0 0 1 3 6

Section IV - Emission Unit Information

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements (continuation)									
				Title	Type	Part	Subpart	Section	Subdiv.	Parag.	Subparag.	Clause	Subcl.
U-00003				6	NYCRR	227	2	4	d				
U-00003				6	NYCRR	227	2	6					

Continuation Sheet 2 of 2

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

(a)	(b)
3 - 3 3 5 6 - 0 0 1 3 6	

Section III - Facility Information

Facility Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement	☐ Capping	CAS No.	Contaminant Name
		007446-09-5	Sulfur Dioxide

Monitoring Information

☐ Continuous Emission Monitoring	☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Intermittent Emission Testing	☒ Work Practice Involving Specific Operations
☐ Ambient Air Monitoring	☐ Record Keeping/Maintenance Procedures

Description

Facility Sulfur Dioxide emissions are subject to BACT and the fuel sulfur limit listed in 6 NYCRR 225-1.2 (g). The facility is proposing to limit the sulfur content no greater than 0.0015% sulfur by weight. The sulfur content of the fuel will be certified by the vendor and monitored by the facility.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
04	007	number 2 oil	ASTM D 2880-71

Parameter Code	Parameter Description	Manufacturer Name/Model No.
32	sulfur content	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0015		57	Percent by weight.

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
01	Maximum - not to be exceeded	11	per delivery	13	Quarterly

Continuation Sheet 1 of 1

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID										
3	-	3	3	5	6	-	0	0	1	3	6

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	5	4					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP001	P3A	CT001	0NY210-00-0	Oxides of Nitrogen

Monitoring Information

☒ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 6.0 ppmvd (corrected to 15% 02) NOx emission limit when firing on fuel oil from the combustion turbine based upon Higher Heating Value (HHV) of the fuel oil. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will use CEMS to monitor NOx stack emissions. The emission limits represents LAER.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			40 CFR 60, Appendix A, Method 7E

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
6.0		275	parts per million by volume (dry, corrected to 15% 02)

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	01	Continuous	07	Quarterly

Continuation Sheet 2 of 2

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	5	4					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00002	EP002	P03	CT002	0NY210-00-0	Oxides of Nitrogen

Monitoring Information

☒ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 6.0 ppmvd (corrected to 15% 02) NOx emission limit when firing fuel oil from the combustion turbine based upon Higher Heating Value (HHV) of the fuel oil. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will use CEMS to monitor NOx stack emissions. The emission limits represents LAER.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			40 CFR 60, Appendix A, Method 7E

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
6.0		275	parts per million by volume (dry, corrected to 15% 02)

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	01	Continuous	07	Quarterly

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	5	4					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00003	EP003	P3B	AUX01	0NY210-00-0	Oxides of Nitrogen

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain 0.0450 lb/mmBtu NOx emission limit when firing natural gas from the auxiliary boiler based upon Higher Heating Value (HHV) of the natural gas. This emission limit applies at all loads except during startup and shutdown. The facility will use vendor emission guarantees and/or stack testing to ensure compliance with the LAER emission limit, as required.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			40 CFR 60, Appendix A, Method 7E

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.045		07	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	5	4					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP001	P1A,P3A	CT001	0NY998-00-0	VOC

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.7 ppmvd (corrected to 15% 02) VOC emission limit from the combustion turbine based upon Higher Heating Value (HHV) of the natural gas (without duct burner) and fuel oil. This emission limit applies at all loads except during startup, shutdown and fuel switching. Stack testing will be used to demonstrate compliance with the LAER emission limit.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			40 CFR Part 60, Appendix A, Method 25A

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.7		275	parts per million by volume (dry, corrected to 15% 02)

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	5	4					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP001	P2A	CT001	0NY998-00-0	VOC

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 1.8 ppmvd (corrected to 15% 02) VOC emission limit from the combustion turbine (with duct burner) based upon Higher Heating Value (HHV) of the natural gas. This emission limit applies at all loads except during startup, shutdown and fuel switching. Stack testing will be used to demonstrate compliance with the LAER emission limit.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			40 CFR Part 60, Appendix A, Method 25A

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
1.8		275	parts per million by volume (dry, corrected to 15% 02)

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	5	4					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00002	EP002	P01,P03	CT002	0NY998-00-0	VOC

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.7 ppmvd (corrected to 15% 02) VOC emission limit from the combustion turbine based upon Higher Heating Value (HHV) of the natural gas (without duct burner) and fuel oil. This emission limit applies at all loads except during startup, shutdown and fuel switching. Stack testing will be used to demonstrate compliance with the LAER emission limit.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			40 CFR Part 60, Appendix A, Method 25A

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.7		275	parts per million by volume (dry, corrected to 15% 02)

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	5	4					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00002	EP002	P02	CT002	0NY998-00-0	VOC

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 1.8 ppmvd (corrected to 15% 02) VOC emission limit from the combustion turbine (with duct burner) based upon Higher Heating Value (HHV) of the natural gas. This emission limit applies at all loads except during startup, shutdown and fuel switching. Stack testing will be used to demonstrate compliance with the LAER emission limit.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			40 CFR Part 60, Appendix A, Method 25A

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
1.8		275	parts per million by volume (dry, corrected to 15% 02)

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	5	4					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00003	EP003	P3B	AUX01	0NY998-00-0	VOC

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0038 lb/mmBtu VOC emission limit when firing on natural gas from the auxiliary boiler based upon Higher Heating Value (HHV) of the natural gas. This emission limit applies at all loads except during startup and shutdown. The facility will use vendor emission guarantees and/or stack testing to ensure compliance with the LAER emission limit, as required

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			40 CFR Part 60, Appendix A, Method 25A

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0038		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP001	P1A,P3A	CT001	000630-08-0	Carbon Monoxide

Monitoring Information

☒ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 2.0 ppmvd (corrected to 15% 02) CO emission limit for the combustion turbine based upon the Higher Heating Value (HHV) of the the natural gas (without duct burner) and fuel oil. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will use CEMS to monitor CO stack emissions. The emission limit represents BACT.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			40 CFR Part 60, Appendix A, Method 10

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
2.0		275	parts per million by volume (dry, corrected to 15% 02)

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	01	Continuous	07	Quarterly

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00002	EP002	P01,P03	CT002	000630-08-0	Carbon Monoxide

Monitoring Information

☒ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 2.0 ppmvd (corrected to 15% 02) CO emission limit for the combustion turbine based upon the Higher Heating Value (HHV) of the the natural gas (without duct burner) and fuel oil. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will use CEMS to monitor CO stack emissions. The emission limit represents BACT.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			40 CFR Part 60, Appendix A, Method 10

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
2.0		275	parts per million by volume (dry, corrected to 15% 02)

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	01	Continuous	07	Quarterly

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP001	P2A	CT001	000630-08-0	Carbon Monoxide

Monitoring Information

☒ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 3.4 ppmvd (corrected to 15% 02) CO emission limit for the combustion turbine (with duct burner) based upon the Higher Heating Value (HHV) of the natural gas. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will use CEMS to monitor CO stack emissions. The emission limit represents BACT.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			40 CFR Part 60, Appendix A, Method 10

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
3.4		275	parts per million by volume (dry, corrected to 15% 02)

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	01	Continuous	07	Quarterly

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3 - 3 3 5 6 - 0 0 1 3 6

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00002	EP002	P02	CT002	000630-08-0	Carbon Monoxide

Monitoring Information

☒ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 3.4 ppmvd (corrected to 15% 02) CO emission limit for the combustion turbine (with duct burner) based upon the Higher Heating Value (HHV) of the natural gas. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will use CEMS to monitor CO stack emissions. The emission limit represents BACT.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			40 CFR Part 60, Appendix A, Method 10

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
3.4		275	parts per million by volume (dry, corrected to 15% 02)

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	01	Continuous	07	Quarterly

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00003	EP003	P3B	AUX01	000630-08-0	Carbon Monoxide

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0721 lb/mmBtu CO emission limit when burning natural gas from the auxiliary boiler based upon Higher Heating Value (HHV) of the natural gas. This emission limit applies at all loads except during startup and shutdown. The facility will use vendor emission guarantees and/or stack testing to ensure compliance with the BACT emission limit, as required.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			40 CFR Part 60, Appendix A, Method 10

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0721		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP001	P1A,P2A	CT001	0NY075-00-0	PARTICULATES

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0073 lb/mmBtu PM emission limit with and without duct burner from the combustion turbine based upon Higher Heating Value (HHV) of the natural gas. The emission limits applies at all load except during startup, shutdown and fuel switching. The facility will demonstrate compliance with the BACT emission limit by stack testing.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			EPA RM 5, 201/201A or 202

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0073		7	pounds per Million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00013

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00002	EP002	P01,P02	CT002	0NY075-00-0	PARTICULATES

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0073 lb/mmBtu PM emission limit with and without duct burner from the combustion turbine based upon Higher Heating Value (HHV) of the natural gas. The emission limits applies at all load except during startup, shutdown and fuel switching. The facility will demonstrate compliance with the BACT emission limit by stack testing.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			EPA RM 5, 201/201A or 202

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0073		7	pounds per Million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00001-36

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP001	P1A,P2A	CT001	0NY075-00-5	PM-10

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0073 lb/mmBtu PM emission limit with and without duct burner from the combustion turbine based upon Higher Heating Value (HHV) of the natural gas. The emission limits applies at all load except during startup, shutdown and fuel switching. The facility will demonstrate compliance with the BACT emission limit by stack testing.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			EPA RM 5, 201/201A or 202

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0073		7	pounds per Million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00002	EP002	P01,P02	CT002	0NY075-00-5	PM-10

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0073 lb/mmBtu PM emission limit with and without duct burner from the combustion turbine based upon Higher Heating Value (HHV) of the natural gas. The emission limits applies at all load except during startup, shutdown and fuel switching. The facility will demonstrate compliance with the BACT emission limit by stack testing.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			EPA RM 5, 201/201A or 202

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0073		7	pounds per Million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00013

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP001	P3A	CT001	0NY075-00-0	Particulates

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0368 lb/mmBtu PM emission limit when firing fuel oil from the combustion turbine based upon Higher Heating Value (HHV) of the fuel oil. The emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will demonstrate compliance with the BACT emission limit by stack testing.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			EPA RM 5, 201/201A or 202

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0368		7	pounds per Million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP001	P3A	CT001	0NY075-00-5	PM-10

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0368 lb/mmBtu PM emission limit when firing fuel oil from the combustion turbine based upon Higher Heating Value (HHV) of the fuel oil. The emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will demonstrate compliance with the BACT emission limit by stack testing.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			EPA RM 5, 201/201A or 202

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0368		7	pounds per Million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00013-6

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00002	EP002	P03	CT002	0NY075-00-0	Particulates

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0368 lb/mmBtu PM emission limit when firing fuel oil from the combustion turbine based upon Higher Heating Value (HHV) of the fuel oil. The emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will demonstrate compliance with the BACT emission limit by stack testing.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			EPA RM 5, 201/201A or 202

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0368		7	pounds per Million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00002	EP002	P03	CT002	0NY075-00-5	PM-10

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0368 lb/mmBtu PM emission limit when firing fuel oil from the combustion turbine based upon Higher Heating Value (HHV) of the fuel oil. The emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will demonstrate compliance with the BACT emission limit by stack testing.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			EPA RM 5, 201/201A or 202

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0368		7	pounds per Million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00003	EP003	P3B	AUX01	0NY075-00-0	Particulates

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0063 lb/mmBtu PM emission limit when firing natural gas from the auxiliary boiler based on the Higher Heating Value (HHV) of the natural gas. This emission limit applies at all loads except during startup and shutdown. The facility will use vendor emission guarantees and/or stack testing to ensure compliance with the BACT emission limit, as required.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			EPA RM 5, 201A/201,and 202

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0063		7	pounds per Million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00003	EP003	P3B	AUX01	0NY075-00-5	PM-10

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0063 lb/mmBtu PM emission limit when firing natural gas from the auxiliary boiler based on the Higher Heating Value (HHV) of the natural gas. This emission limit applies at all loads except during startup and shutdown. The facility will use vendor emission guarantees and/or stack testing to ensure compliance with the BACT emission limit, as required.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			EPA RM 5, 201A/201,and 202

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	Concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0063		7	pounds per Million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-Hour Average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00013-6

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP001	P1A,P2A	CT001	007446-09-5	Sulfur Dioxide

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0022 lb/mmBtu SO2 emission limit from the combustion turbine (with and without duct burner) based on the Higher Heating Value (HHV) of the natural gas. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will demonstrate compliance with the BACT emission limit by limiting sulfur content of the natural gas to 0.8 grains/100 SCF. The sulfur content of the natural gas will be verified through a certification or analysis provided by the fuels supplier and monitored by the facility.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
04	012	natural gas	ASTM 5504

Parameter Code	Parameter Description	Manufacturer Name/Model No.
32	Sulfur Content	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.8		13	grains per 100 dscf

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
01	Maximum not to be exceeded	14	as required	10	Upon Request

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00013-6

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00002	EP002	P01,P02	CT002	007446-09-5	Sulfur Dioxide

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0022 lb/mmBtu SO2 emission limit from the combustion turbine (with and without duct burner) based on the Higher Heating Value (HHV) of the natural gas. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will demonstrate compliance with the BACT emission limit by limiting sulfur content of the natural gas to 0.8 grains/100 SCF. The sulfur content of the natural gas will be verified through a certification or analysis provided by the fuels supplier and monitored by the facility.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
04	012	natural gas	ASTM 5504

Parameter Code	Parameter Description	Manufacturer Name/Model No.
32	Sulfur Content	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.8		13	grains per 100 dscf

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
01	Maximum not to be exceeded	14	as required	10	Upon Request

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00013

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP001	P3A	CT001	007446-09-5	Sulfur Dioxide

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0015 lb/mmBtu SO2 emission limit when firing fuel oil from the combustion turbine based on the Higher Heating Value (HHV) of the fuel oil. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will demonstrate compliance with the BACT emission limit by maintaining compliance with the fuel oil sulfur limit of 0.0015%.The sulfur content of the fuel will be certified by the vendor and monitored by the facility.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
04	007	Number 2 Oil	ASTM D 2880-71

Parameter Code	Parameter Description	Manufacturer Name/Model No.
32	Sulfur Content	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0015		57	percent by weight

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
01	Maximum not to be exceeded	11	Per Delivery	10	Upon Request

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-33 56-00 13 6

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00002	EP002	P03	CT002	007446-09-5	Sulfur Dioxide

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0015 lb/mmBtu SO2 emission limit when firing fuel oil from the combustion turbine based on the Higher Heating Value (HHV) of the fuel oil. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will demonstrate compliance with the BACT emission limit by maintaining compliance with the fuel oil sulfur limit of 0.0015%.The sulfur content of the fuel will be certified by the vendor and monitored by the facility.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
04	007	Number 2 Oil	ASTM D 2880-71

Parameter Code	Parameter Description	Manufacturer Name/Model No.
32	Sulfur Content	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0015		57	percent by weight

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
01	Maximum not to be exceeded	11	Per Delivery	10	Upon Request

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00003	EP003	P3B	AUX01	007446-09-5	Sulfur Dioxide

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0022 lb/mm Btu SO2 emission limit from the auxiliary boiler based upon Higher Heating Value (HHV) of the natural gas. This emission limit applies at all loads except during startup and shutdown. The facility will demonstrate compliance with the BACT emission limit by limiting the sulfur content of the natural gas to 0.8 grains/100 scf.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			ASTM 5504

Parameter Code	Parameter Description	Manufacturer Name/Model No.
32	Sulfur Content	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.8		13	grains per 100 dscf

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
01	Maximum not to be exceeded	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP001	P1A,P2A	CT001	007664-93-9	Sulfuric Acid

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0007 lb/mmBtu sulfuric acid mist emission limit from the combustion turbine (with and without duct burner) based upon Higher Heating Value (HHV) of the natural gas. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will demonstrate compliance with the BACT emission limit by limiting sulfur content of the natural gas to 0.8 grains/100 scf. The sulfur content of the natural gas will be verified through a certification or analysis provided by the fuels supplier and monitored by the facility.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
04	012	Natural Gas	ASTM 5504

Parameter Code	Parameter Description	Manufacturer Name/Model No.
32	Sulfur Content	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.8		13	grains per 100 dscf

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
01	Maximum not to be exceeded	14	as required	10	Upon Request

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3355-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00002	EP002	P01,P02	CT002	007664-93-9	Sulfuric Acid

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0007 lb/mmBtu sulfuric acid mist emission limit from the combustion turbine (with and without duct burner) based upon Higher Heating Value (HHV) of the natural gas. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will demonstrate compliance with the BACT emission limit by limiting sulfur content of the natural gas to 0.8 grains/100 scf. The sulfur content of the natural gas will be verified through a certification or analysis provided by the fuels supplier and monitored by the facility.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
04	012	Natural Gas	ASTM 5504

Parameter Code	Parameter Description	Manufacturer Name/Model No.
32	Sulfur Content	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.8		13	grains per 100 dscf

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
01	Maximum not to be exceeded	14	as required	10	Upon Request Continuation

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP001	P3A	CT001	007664-93-9	Sulfuric Acid

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0005 lb/mm Btu sulfuric acid mist emission limit when firing fuel oil from the combustion turbine based upon Higher Heating Value (HHV) of the gas and fuel oil. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will demonstrate compliance with the BACT emission limit by maintaining compliance with the fuel oil sulfur limit of 0.0015%. The sulfur content of the fuel will be certified by the vendor and monitored by the facility.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
04	007	Number 2 Oil	ASTM D 2880-71

Parameter Code	Parameter Description	Manufacturer Name/Model No.
32	Sulfur Content	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0015		57	percent by weight

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
01	Maximum not to be exceeded	11	Per Delivery	10	Upon Request

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00002	EP002	P03	CT002	007664-93-9	Sulfuric Acid

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0005 lb/mm Btu sulfuric acid mist emission limit from the combustion turbine (with and without duct burner) based upon Higher Heating Value (HHV) of the gas and fuel oil. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will demonstrate compliance with the BACT emission limit by maintaining compliance with the fuel oil sulfur limit of 0.0015%. The sulfur content of the fuel will be certified by the vendor and monitored by the facility.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
04	007	Number 2 Oil	ASTM D 2880-71

Parameter Code	Parameter Description	Manufacturer Name/Model No.
32	Sulfur Content	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0015		57	percent by weight

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
01	Maximum not to be exceeded	11	Per Delivery	10	Upon Request

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00003	EP003	P3B	AUX01	007664-93-9	Sulfuric Acid

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 0.0002 lb/mm Btu sulfuric acid mist emission limit from the auxiliary boiler based upon Higher Heating Value (HHV) of the natural gas. This emission limit applies at all loads except during startup and shutdown. The facility will demonstrate compliance with the BACT emission limit by limiting the sulfur content of the natural gas to 0.8 grains/100 scf. The sulfur content of the natural gas will be verified through a certification or analysis provided by the fuels supplier and monitored by the facility.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
04	012	Natural Gas	ASTM 5504

Parameter Code	Parameter Description	Manufacturer Name/Model No.
32	Sulfur Content	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.8		13	grains per 100 dscf

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
01	Maximum not to be exceeded	14	as required	10	Upon Request

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
40	CFR	60	43	3	c				

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00003	EP003	P3B	AUX01		

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

No owner or operator of a combustion installation shall operate the installation in such a way to emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average in reference test Method 9 in Appendix A of 40 CFR 60.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			40 CFR 60, Method 9

Parameter Code	Parameter Description	Manufacturer Name/Model No.
01	Opacity	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
20	0	136	Percent

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
18	6-min average	13	single occurrence	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-33 56-00 13 6

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	200	7						

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001	EP001	P1A,P2A,P3A	CT001	007664-41-7	Ammonia

Monitoring Information

☒ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 5.0 ppmvd (corrected to 15% O2) limit applies during all turbine loads,all fuels being fired and all duct burner operations.. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will use CEMS to monitor Ammonia stack emissions

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
	154	Ammonia	40 CFR 75 & 40 CFR 60 Appendices A/B/F

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
5.0		275	parts per million by volume (dry, corrected to 15% 02)

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	01	Continuous	07	Quarterly

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-33561-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	200	7						

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00002	EP002	P01,P02,P03	CT002	007664-41-7	Ammonia

Monitoring Information

☒ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain a 5.0 ppmvd (corrected to 15% O2) limit applies during all turbine loads,all fuels being fired and all duct burner operations.. This emission limit applies at all loads except during startup, shutdown and fuel switching. The facility will use CEMS to monitor Ammonia stack emissions

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
	154	Ammonia	40 CFR 75 & 40 CFR 60 Appendices A/B/F

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
5.0		275	parts per million by volume (dry, corrected to 15% 02)

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	01	Continuous	07	Quarterly

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	200	7						

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
				007664-41-7	Ammonia

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☒ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will maintain records to verify concentration of ammonia stored on-site is less than 19%.The ammonia concentration will be certified by the vendor and monitored by the facility.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
04	154	Ammonia	

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
19		21	percent by volume

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
01	Maximum not to be exceeded	11	Per Delivery	15	annually (calendar)

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID										
3	-	3	3	5	6	-	0	0	1	3	6

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001/U-00002	EP001/EP002	P1A,PO1	CT001/CT002		

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility will have a heat rate of 7605 Btu/kW-hr (HHV) or less at ISO conditions without duct burner firing to achieve a design thermal efficiency.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			ASME PTC 46-1996

Parameter Code	Parameter Description	Manufacturer Name/Model No.
38	Heat Input	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
7605			BTU per kilowatt-hour

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
60	maximum - not to exceed stated value	09	annually	14	semi-annually (calendar)

This page intentionally left blank.

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	251	3	a					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00001/U-00002	EP001/EP002	P1A,P2A,P3A,P01,P02,P0	CT001/CT002	000124-38-9	Carbon Dioxide

Monitoring Information

☒ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

The facility are required to meet an emission rate of 925 pounds of CO2 per MW hour gross electrical output (output-based limit).These emission limits are measured on a 12-month rolling average basis, calculated by dividing the annual total of CO2 emissions over the relevant 12-month period by the annual total (gross) MW generated (output-based limit).

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method

Parameter Code	Parameter Description	Manufacturer Name/Model No.

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
925		8	pounds per megawatt hour

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
17	annual maximum rolled monthly	01	continuous	13	quarterly (calendar)

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	201	7						

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
				0NY075-02-5	PM 2.5

Monitoring Information

☐ Continuous Emission Monitoring
☐ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☒ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

Monthly facility-wide emissions of PM-2.5 will be calculated as the sum of monthly PM-2.5 emissions from individual emission units or source groups. Emissions will be calculated based on heat input (or, equivalently, from fuel use) and emission factors as described below. Annual facility-wide emissions will then be determined at the end of each month on a rolling 12-month basis in order to demonstrate compliance with the 95 ton per year cap.

Unit Op Load	Fuel	Grp	Emission Factor
CT only > 80%	Gas	1	0.0056
CT only < 80%	Gas	2	0.0073
CT + DB > 80%	Gas	3	0.0064
CT only > 85%	Oil	4	0.0247
CT only < 85%	Oil	5	0.0368
Aux Boiler All	Gas	6	0.0063
Gas Heater All	Gas	7	0.0076
EDG All	Oil	8	0.0091
EFP All	Oil	9	0.0429

In cases where fuel use (gallons of oil or SCF of gas) for a source group is monitored directly rather than heat input, the equivalent heat input will be determined by multiplying the monthly fuel usage for the source group by the corresponding fuel heating value (mmBtu/gallon or mmBtu/scf), using the higher heating. In cases where fuel use (gallons of oil or standard cubic feet of gas) for a source group is monitored directly rather than heat input, the equivalent heat input will be determined by multiplying the monthly fuel usage for the source group by the corresponding fuel heating value (mmBtu/gallon or mmBtu/scf), using the higher heating value basis for fuel.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
04	318	Fuel	

Parameter Code	Parameter Description	Manufacturer Name/Model No.
38	Heat Input	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
95		38	tons per year

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
17	annual maximum rolled monthly	01	CONTINUOUS	15	ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	5	4					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00004	EP004	P04		0NY998-00-0	VOC

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

LAER is 0.0331 lb/mmBtu. Will be achieved using good combustion controls. Emission testing to be performed upon request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			Method 25A

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0331		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	5	4					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00004	EP004	P04		0NY210-00-0	Oxides of Nitrogen

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

LAER is 4.77 grams per brake horsepower-hour. Will be achieved using good combustion controls. Emission testing to be performed upon request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			Method 7E

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
4.77		319	grams per brake horsepower-hour

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00004	EP004	P04		0NY075-00-0	PARTICULATES

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

BACT is 0.03 g/hp-hr. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			Method 201/201A and 202

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.03		319	grams per brake horsepower-hour

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00004	EP004	P04		0NY075-00-5	PM-10

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

BACT is 0.03 g/hp-hr. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			Method 201/201A and 202

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.03		319	grams per brake horsepower-hour

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-33561-00013-6

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00004	EP004	P04		007446-09-5	SULFUR DIOXIDE

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

BACT is 0.0014 lb/mmBtu. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			EPA approved methods

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0014		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00004	EP004	P04		007664-93-9	SULFURIC ACID

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

BACT is 0.00003 lb/mmBtu. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			EPA approved methods

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.00003		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-33 56-00 13 6

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00004	EP004	P04		000630-08-0	CARBON MONOXIDE

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

BACT is 0.45 g/hp-hr. Will be achieved using good combustion controls. Emission testing to be performed at the request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			Method 10

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.45		319	grams per brake horsepower-hour

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	5	4					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00005	EP005	P05		0NY210-00-0	Oxides of Nitrogen

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

LAER is 0.857 pounds per million Btus. Will be achieved using good combustion controls. Emission testing to be performed upon request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			Method 7E

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.857		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-33561-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	5	4					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00005	EP005	P05		0NY998-00-0	VOC

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

LAER is 0.3612 lb/mmBtu. Will be achieved using good combustion controls. Emission testing to be performed upon request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			Method 25A

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.3612		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00005	EP005	P05		000630-08-0	CARBON MONOXIDE

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

BACT is 0.75 lbs/mmBtus. Will be achieved using good combustion controls. Emission testing to be performed at the request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			Method 10

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.75		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00005	EP005	P05		0NY075-00-0	PARTICULATES

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

BACT is 0.043 lb/mmBtus. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			Method 201/201A and 202

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.043		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00005	EP005	P05		0NY075-00-5	PM-10

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

BACT is 0.043 lb/mmBtus. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			Method 201/201A and 202

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.043		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00005	EP005	P05		007446-09-5	SULFUR DIOXIDE

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

BACT is 0.0014 lb/mmBtu. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			EPA approved methods

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0014		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00005	EP005	P05		007664-93-9	SULFURIC ACID

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

BACT is 0.00003 lb/mmBtu. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			EPA approved methods

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.00003		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	5	4					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00006	EP006	P06		0NY210-00-0	Oxides of Nitrogen

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

LAER is 0.058 pounds per million Btus for each individual gas heater. Will be achieved using forced draft low NOx Burner. Emission testing to be performed upon request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			Method 7E

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.058		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00013

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	5	4					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00006	EP006	P06		0NY998-00-0	VOC

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

LAER is 0.011 lb/mmBtu. Will be achieved using good combustion controls. Emission testing to be performed upon request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			Method 25A

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.011		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00006	EP006	P06		007664-93-9	SULFURIC ACID

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

BACT is 0.0002 lb/mmBtu. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			EPA approved methods

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0002		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00006	EP006	P06		000630-08-0	CARBON MONOXIDE

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

BACT is 0.084 lbs/mmBtus.. Will be achieved using good combustion controls. Emission testing to be performed at the request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			Method 10

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.084		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-33561-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00006	EP006	P06		0NY075-00-0	PARTICULATES

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

BACT is 0.0076 lb/mmBtus.. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			Method 201/201A and 202

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0076		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00006	EP006	P06		0NY075-00-5	PM-10

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

BACT is 0.0076 lb/mmBtus.. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			Method 201/201A and 202

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0076		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application Form

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3-3356-00136

Section IV - Emission Unit Information

Emission Unit Compliance Certification (continuation)

Rule Citation

Title	Type	Part	Subpart	Section	Subdivision	Paragraph	Subparagraph	Clause	Subclause
6	NYCRR	231	7	6					

☒ Applicable Federal Requirement ☐ State Only Requirement ☐ Capping

Emission Unit	Emission Point	Process	Emission Source	CAS No.	Contaminant Name
U-00006	EP006	P06		007446-09-5	SULFUR DIOXIDE

Monitoring Information

☐ Continuous Emission Monitoring
☒ Intermittent Emission Testing
☐ Ambient Air Monitoring
☐ Monitoring of Process or Control Device Parameters as a Surrogate
☐ Work Practice Involving Specific Operations
☐ Record Keeping/Maintenance Procedures

Description

BACT is 0.0022 lb/mmBtu. Will be achieved using low sulfur fuel. Emission testing to be performed at the request of the Department.

Work Practice Type	Process Material Code	Process Material Description	Reference Test Method
			EPA approved methods

Parameter Code	Parameter Description	Manufacturer Name/Model No.
23	concentration	

Limit Upper	Limit Lower	Limit Units Code	Limit Units Description
0.0022		7	pounds per million Btus

Averaging Method Code	Averaging Method Description	Monitoring Frequency Code	Monitoring Frequency Description	Reporting Requirements Code	Reporting Requirements Description
08	1-hour average	14	as required	01	once / batch or monitoring occurrence

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3 - 3 3 5 6 - 0 0 1 3 6

Request for Emission Reduction Credits — Continuation Sheet(s)

Emission Source

Emission Reduction Description

Contaminant Emission Reduction Data

Baseline Period ____/____/_____ to ____/____/_____

Reduction Date	Reduction Method

CAS Number	Contaminant Name	ERC (lbs/yr) Netting	ERC (lbs/yr) Offset

Facility to Use Future Reduction

Name — Application ID - - /

Location Address

City/ Town / Village | State | Zip

Use of Emission Reduction Credits — Continuation Sheet(s)

Emission Source

Proposed Project Description

Contaminant Emissions Increase Data

CAS Number	Contaminant Name	Project Emission Potential (lbs/yr)

Statement of Compliance

All facilities under the ownership of this "owner/firm" are operating in compliance with all applicable requirements and state regulations including any compliance certification requirements under Section 114(a)(3) of the Clean Air Act Amendments of 1990, or are meeting the schedule of a consent order.

Source of Emission Reduction Credit - Facility

Name — Permit ID - - /

Location Address

City/ Town / Village | State | Zip

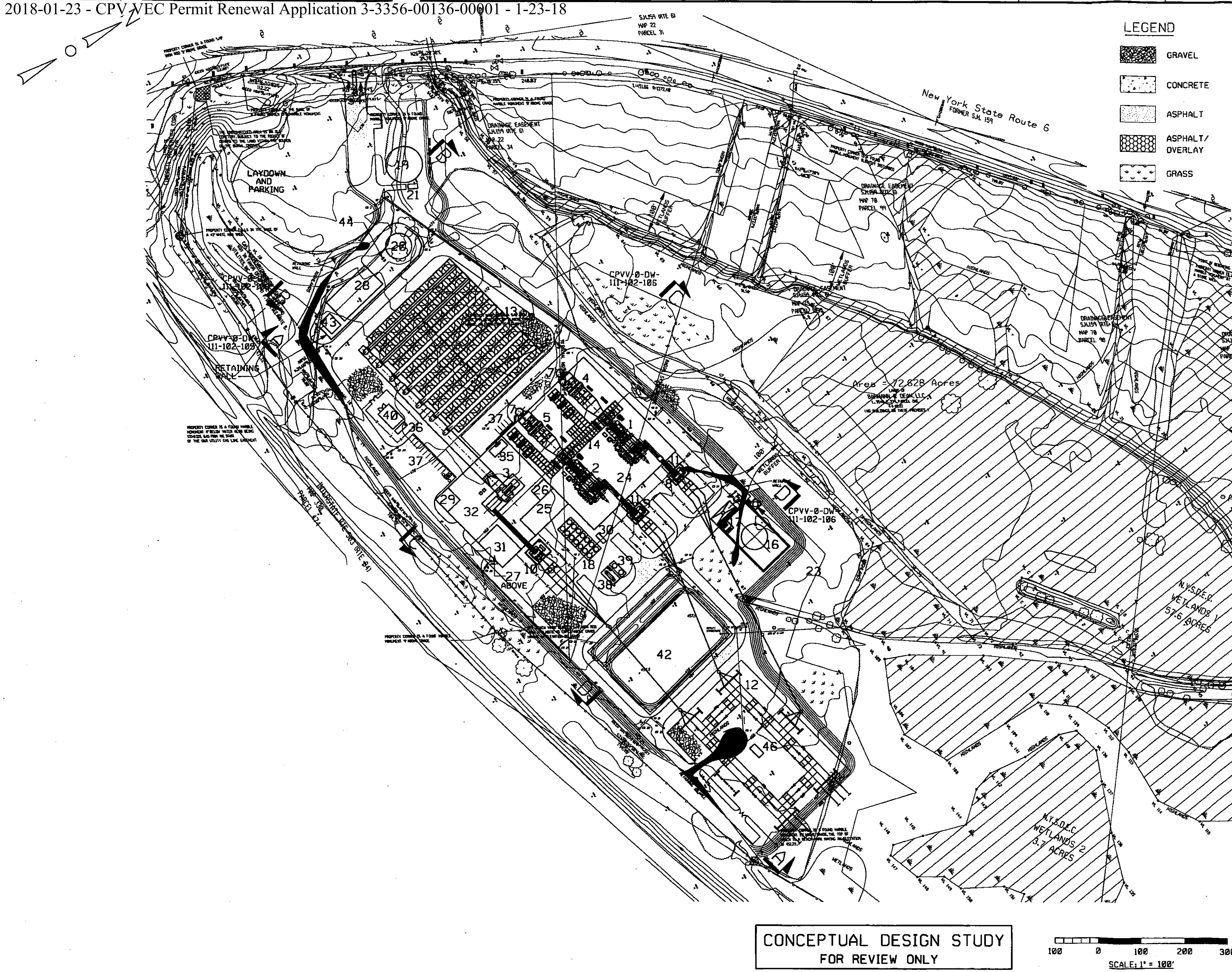
Emission Source	CAS Number	Contaminant Name	ERC (lbs/yr) Netting	ERC (lbs/yr) Offset

New York State Department of Environmental Conservation
Air Permit Application

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

DEC ID
3 - 3 3 5 6 - 0 0 1 3 6

Supporting Documentation and Attachments	
Required Supporting Documentation	**Date of Document**
List of Exempt Activities (attach form)	
× Plot Plan	11/2008
Process Flow Diagram	
Methods Used to Determine Compliance (attach form)	
Emissions Calculations	
Optional Supporting Documentation	**Date of Document**
Air Quality Model	
Confidentiality Justification	
Ambient Air Quality Monitoring Plan or Reports	
Stack Test Protocol	
Stack Test Report	
Continuous Emissions Monitoring Plan	
Lowest Achievable Emission Rate (LAER) Demonstration	
Best Available Control Technology (BACT) Demonstration	
Reasonably Available Control Technology (RACT) Demonstration	
Toxic Impact Assessment (TIA)	
Environmental Rating Demonstration	
Operational Flexibility Protocol/Description of Alternate Operating Scenarios	
× Title IV Permit Application	01/2018
Emission Reduction Credit (ERC) Quantification (attach form)	
Baseline Period Demonstration	
Use of Emission Reduction Credits (attach form)	
Analysis of Contemporaneous Emissions Increase/Decrease	
Other Supporting Documentation	**Date of Document**



LEGEND

- GRAVEL
- CONCRETE
- ASPHALT
- ASPHALT/ OVERLAY
- GRASS

EQUIPMENT DESCRIPTION

1 CTG #1
2 CTG #2
3 STG
4 HRSG #1
5 HRSG #2
6 NOT USED
7 HRSG STACK
8 GSU TRANSFORMER #1
9 GSU TRANSFORMER #2
10 GSU TRANSFORMER #3
11 AUXILIARY TRANSFORMER
12 SWITCHYARD
13 AIR COOLED CONDENSER
14 PIPE RACK
15 TRUCK UNLOADING AREA
16 FUEL OIL TANK
17 FUEL OIL PUMPS
18 AUXILIARY FIN-FAN COOLER
19 RECALIM/FIRE WATER STG TK (1,000,000 GAL)
20 DEMINERALIZED WATER TK (400,000 GAL)
21 FIRE WATER PUMP BUILDING
22 WTR TRT LV SWITCHGEAR & XFMRS
23 AQUEOUS AMMONIA TANK & PUMPS
24 COMBUSTION TURBINE BUILDING
25 ELECTRICAL EQUIPMENT ROOM
26 CONTROL ROOM
27 ADMINISTRATION OFFICES
28 WATER TREATMENT BUILDING
29 MAINTENANCE
30 OILY WATER SEPARATOR
31 WAREHOUSE
32 STEAM TURBINE GENERATOR BUILDING
33 PERIMETER FENCING
34 MAIN PLANT ENTRANCE/GUARD SHACK
35 AUX. BOILER
36 DEW POINT HEATER
37 PLANT PARKING
38 DIESEL GENERATOR
39 DIESEL GENERATOR AUX COOLER
40 NATURAL GAS METER. & FILTER AREA
41 NOT USED
42 STORM WATER POND
43 PROCESS WATER SUMP
44 CONDENSATE MAKE-UP PUMPS
45 NOT USED
46 SWITCHYARD CONTROL BLDG.

REV	DATE	DESCRIPTION	DESIGN	CHECKED	LEAD DESIGNER	ENGINEER/ TECH. SPEC	LEAD DISC ENGINEER	[illegible]	[illegible]
H	[illegible]	REMOVED SIEMENS FROM TITLE BLOCK	RAK	JEV					HNG
G	[illegible]	ADDED SIEMENS SGT6-5000F IN LIEW OF GE 7FA, REVISED SWITCHYARD ORIENTATION	JEV	JEV					HNG
F	[illegible]	REVISED SWITCHYARD AND ADDED LEGEND	JEV	JEV					HNG
E	[illegible]	UPDATED TO INCORPORATE COMMENTS	JEV	JEV					HNG
D	[illegible]	ADDED ELEVATION REFERENCES	JEV	JEV					HNG
C	[illegible]	GENERAL REVISION	JEV	JEV					HNG
B	[illegible]	OVERALL UPDATE FOR REVIEW	JEV	JEV					HNG
J	[illegible]	INCORPORATED COMMENTS	JEV	JEV					HNG

PRELIMINARY STATUS — DATE — REPRESENTS GENERAL DESIGN CONCEPTS BASED ON ASSUMPTIONS. REVIEWED NOT CHECKED.

LOE

APPROVED STATUS — DATE — REPRESENTS REVIEWED AND APPROVED DESIGN. ANY PORTION MARKED "HOLD" RETAINS PRELIMINARY STATUS.

LOE

ORIGINATING PERSONNEL — PROFESSIONAL ENGINEER'S SEAL

DRAWN BY: JEV
CHECKED BY:
LEAD DESIGNER: JE VEEN
ENGINEER/TECH SPECIALIST:
PROJECT ENGINEERING MANAGER:
PROJECT MANAGER: HN GOLDSTEIN

Zero Harm — Leadership, No Incidents, Safe Behavior

WorleyParsons resources & energy

CLIENT/PROJECT TITLE
CPV VALLEY LLC
CPV VALLEY ENERGY CENTER
FIGURE 2-2

GENERAL ARRANGEMENT
SITE PLAN
2x1 COMBINED CYCLE

SCALE: 1"=100' — DRAWING SIZE: ARCH D (36" x 24")
WORLEYPARSONS DWG. NO.: CPVV-0-DW-111-002-101 — REV: J

...\cpvv-0-dw-111-002-101.dgn 10/6/2008 3:19:14 PM

CONCEPTUAL DESIGN STUDY
FOR REVIEW ONLY

100 0 100 200 300
SCALE: 1" = 100'

Attachment 2

Title IV Acid Rain Permit Renewal Application

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258
Approval expires 11/30/2018

Acid Rain Permit Application

For more information, see instructions and 40 CFR 72.30 and 72.31.

This submission is: ☐ new ☐ revised ☒ for ARP permit renewal

STEP 1

Identify the facility name, State, and plant (ORIS) code.

Facility (Source) Name	State	Plant Code
CPV VALLEY ENERGY CENTER	NY	56940

STEP 2

Enter the unit ID# for every affected unit at the affected source in column "a."

a	b
Unit ID#	Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)
0001	Yes
0002	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes
	Yes

CPV VALLEY ENERGY CENTER
Facility (Source) Name (from STEP 1)

STEP 3

Read the standard requirements.

Permit Requirements

(1) The designated representative of each affected source and each affected unit at the source shall:
  (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
  (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;

(2) The owners and operators of each affected source and each affected unit at the source shall:
  (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
  (ii) Have an Acid Rain Permit.

Monitoring Requirements

(1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.

(2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.

(3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

(1) The owners and operators of each source and each affected unit at the source shall:
  (i) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
  (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.

(2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.

(3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
  (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
  (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).

(4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.

(5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.

(6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements

The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

CPV VALLEY ENERGY CENTER
Facility (Source) Name (from STEP 1)

STEP 3, Cont'd.

Excess Emissions Requirements

(1) The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
(2) The owners and operators of an affected source that has excess emissions in any calendar year shall:
  (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
  (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

(1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
  (i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
  (ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
  (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
  (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
(2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

(1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
(2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
(3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
(4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
(5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
(6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit.
(7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

CPV Valley Energy Center
Facility (Source) Name (from STEP 1)

STEP 3, Cont'd.

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;

(2) Limiting the number of allowances a source can hold; provided, that the number of allowances held by the source shall not affect the source's obligation to comply with any other provisions of the Act;

(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;

(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4

Read the certification statement, sign, and date.

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name JOHN F BREEN	
Signature	Date 1/22/2018

Instructions for the Acid Rain Program Permit Application

The Acid Rain Program requires the designated representative to submit an Acid Rain permit application for each source with an affected unit. A complete Certificate of Representation must be received by EPA before the permit application is submitted to the title V permitting authority. A complete Acid Rain permit application, once submitted, is binding on the owners and operators of the affected source and is enforceable in the absence of a permit until the title V permitting authority either issues a permit to the source or disapproves the application.

Please type or print. If assistance is needed, contact the title V permitting authority.

STEP 1 A Plant Code is a 4 or 5 digit number assigned by the Department of Energy's (DOE) Energy Information Administration (EIA) to facilities that generate electricity. For older facilities, "Plant Code" is synonymous with "ORISPL" and "Facility" codes. If the facility generates electricity but no Plant Code has been assigned, or if there is uncertainty regarding what the Plant Code is, send an email to the EIA. The email address is EIA-860@eia.gov.

STEP 2 In column "a," identify each unit at the facility by providing the appropriate unit identification number, consistent with the identifiers used in the Certificate of Representation and with submissions made to DOE and/or EIA. Do not list duct burners. For new units without identification numbers, owners and operators must assign identifiers consistent with EIA and DOE requirements. Each Acid Rain Program submission that includes the unit identification number(s) (e.g., Acid Rain permit applications, monitoring plans, quarterly reports, etc.) should reference those unit identification numbers in exactly the same way that they are referenced on the Certificate of Representation.

Submission Deadlines

For new units, an initial Acid Rain permit application must be submitted to the title V permitting authority 24 months before the date the unit commences operation. Acid Rain permit renewal applications must be submitted at least 6 months in advance of the expiration of the acid rain portion of a title V permit, or such longer time as provided for under the title V permitting authority's operating permits regulation.

Submission Instructions

Submit this form to the appropriate title V permitting authority. If you have questions regarding this form, contact your local, State, or EPA Regional Acid Rain contact, or call EPA's Acid Rain Hotline at (202) 343-9620.

Paperwork Burden Estimate

The public reporting and record keeping burden for this collection of information is estimated to average 8 hours per response. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW., Washington, D.C. 20460. Include the OMB control number in any correspondence. **Do not send the completed form to this address.**