

APPENDIX A

Title V Operating Permit and Application

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section I - Certification

Title V 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 pursuant to 6 NYCRR 201-6.3(d)] 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	Title
Signature	Date

State Facility Certification

I certify that this facility will be operated in conformance with all provisions of existing regulations.	
Responsible Official	Title
Signature	Date

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section II - Identification Information

Permit Type:	Air Title V Facility (ATV)
	New
General Permit Title:	
<input type="checkbox"/> Application involves construction of new facility	<input type="checkbox"/> Application involves construction of new emission unit(s)

Owner / Firm

Name	THE AMERICAN SUGAR REFINING COMPANY INC				
Street	1 FEDERAL ST				
City	YONKERS	State	NY	Country	USA
				Zip	10705 1079
Owner Classification	Corporation/Partnership			Taxpayer Id	133491638

Facility

Name	AMERICAN SUGAR REFINING COMPANY INC				
Address	ONE FEDERAL ST				
City	YONKERS	Zip	10705		

Owner / Firm Contact Mailing Address

Name	THOMAS MERRITT	Phone No.	9147098238
Affiliation		Fax No.	9147098335
Title			
Street	AMERICAN SUGAR REFINING CO INC		
	ONE FEDERAL ST		
City	YONKERS	State	NY
		Country	USA
		Zip	10705

Facility Contact Mailing Address

Name	THOMAS MERRITT	Phone No.	9147098238
Affiliation	.	Fax No.	9147098335
Title			
Street	AMERICAN SUGAR REFINING CO INC		
	ONE FEDERAL ST		
City	YONKERS	State	NY
		Country	USA
		Zip	10705

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section II - Identification Information

Project Description

REFINED SUGARS, INC. OPERATES A MANUFACTURING FACILITY THAT PROCESSES SUGAR FOR CONSUMER CONSUMPTION. THE AIR EMISSION SOURCES AT THIS FACILITY INCLUDE BOTH PROCESS AND COMBUSTION SOURCES. PROCESS SOURCES EMIT ONLY PARTICULATE EMISSIONS WHICH ARE MOSTLY CONTROLLED BY CENTRIFUGAL COLLECTORS AND FABRIC COLLECTORS. COMBUSTION SOURCES INCLUDE THE BOILER #3 (EP #21C), DIESEL ENGINE (EP #22), AND THE EXISTING COGENERATION SYSTEM (EP #23). THE OPERATIONS AT THE FACILITY HAVE NOT CHANGED FROM THE EXISTING NYSDEC PERMITS AND CURRENTLY COMPLY WITH THE SPECIAL CONDITIONS OF THE NYSDEC CERTIFICATE TO OPERATE. THEREFORE, THIS IS AN APPLICATION ON THE STATUS QUO.

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section III - Facility Information

Classification

☒ INDUSTRIAL

Affected States

CONNECTICUT

NEW JERSEY

SIC Codes

2062

Facility Description

THE PRIMARY FUNCTION OF THE FACILITY IS TO REFINER CANE SUGAR FOR CONSUMER USE IN THE FORM OF BROWN SUGAR, WHITE SUGAR, AND CONFECTIONARY SUGAR. THE RAW SUGAR GOES THROUGH A SERIES OF OPERATIONS INCLUDING CLARIFICATION, EVAPORATION, CRYSTALLIZATION IN ORDER TO PRODUCE THE FINAL PRODUCT. SMALL QUANTITIES OF PARTICULATES ARE EMITTED IN THE VARIOUS PROCESSES OF CRUSHING, EVAPORATION, AND CRYSTALLIZATION.

Compliance Statements (Title V 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 this facility that are operating in compliance with all applicable requirements complete the following:

- ☒ This facility will continue to be operated and maintained in such manner as to assure compliance for the duration of the permit, except those units referenced in the compliance plan portion of Section IV 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 all such requirements on a timely basis.
- ☒ Compliance certification reports will be submitted at least once a year. Each report will certify compliance status with respect to each requirement, and the method used to determine status.

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section III - Facility Information
Facility Compliance Certification

Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	201	7							
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

The facility will calculate its NOx emissions from all emission sources, the diesel engine, boiler # 3, the turbine co-generation system and the exempt combustion sources. The facility will monitor monthly fuel consumption records and calculate emission using the AP-42 emission factors.

<input checked="" type="checkbox"/> Capping	CAS No.	ONY210-00-0	Cont Name	OXIDES OF NITROGEN	
Monitoring Information <input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE					
Work Practice		Process Material			Ref Test Method
Type	Code	Description			
Parameter				Manufacturer Name/Model No.	
Code	Description				
ONY210000	OXIDES OF NITROGEN				
Limit		Limit Units			
Upper	Lower	Code	Description		
277		38	tons per year		
Averaging Method	Code	17	Desc	ANNUAL MAXIMUM ROLLED MONTHLY	
Monitoring Freq	Code	14	Desc	AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION	
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)	

Facility Emissions Summary

Cas No.	Contaminant Name	PTE		Actual (lbs/yr)
		(lbs/yr)	Range	
000630-08-0	CARBON MONOXIDE	236000		118 TPY
ONY100-00-0	HAP		A	
ONY210-00-0	OXIDES OF NITROGEN	552000		276
ONY075-00-0	PARTICULATES	84000		42
ONY075-00-5	PM-10	84000		42
007446-09-5	SULFUR DIOXIDE	156000		78
ONY998-00-0	VOC	44000		22



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Description

Emission Unit	E00001
---------------	--------

PROCESS SOURCES INCLUDING DRYERS, GRANULATORS, CONVEYING AND STORAGE SYSTEMS, AND OTHER MISCELLANEOUS SOURCES.

Building

Building	Building Name	Length	Width	Orient.
10	BUILDING 10			
11B	BUILDING 11B			
11-C&D	BUILDING 11-C&D			
12	BUILDING 12			
12E	BUILDING 12E			
12G	BUILDING 12G			
14A	BUILDING 14A			
9	BUILDING 9			
ADJ-12G	ADJACENT TO BUILDING 12G			
YARD	YARD			

Emission Point

Emission Unit	E00001	Emission Pt.	00001	Exit Temp (°F)	Cross Section	
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)		Length (in)	Width (in)
6	37	108	23			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	10		

Emission Unit	E00001	Emission Pt.	00003	Exit Temp (°F)	Cross Section	
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)		Length (in)	Width (in)
6	48	-97	36			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	10		

Emission Unit	E00001	Emission Pt.	00004	Exit Temp (°F)	Cross Section	
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)		Length (in)	Width (in)
6	8	125	24			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	11B		



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Point

Emission Unit	E00001	Emission Pt.	00006			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
6	80	-65	36			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	9		

Emission Unit	E00001	Emission Pt.	00007			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
6	61	47	6			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	12E		

Emission Unit	E00001	Emission Pt.	00008			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
7	44	2	7			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	14A		

Emission Unit	E00001	Emission Pt.	00009			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
7	26	2	6			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	14A		

Emission Unit	E00001	Emission Pt.	00011			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
75	100	25	20			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.033	4530.223			

Emission Unit	E00001	Emission Pt.	00012			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
6	142	-5	12			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	9		



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Point

Emission Unit	E00001	Emission Pt.	00014			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
6	76	110	29			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	11-C&D		

Emission Unit	E00001	Emission Pt.	00015			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
6	12	123	20			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	YARD		

Emission Unit	E00001	Emission Pt.	00016			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
7	44	2	7			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	14A		

Emission Unit	E00001	Emission Pt.	00017			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
7	26	2	6			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	14A		

Emission Unit	E00001	Emission Pt.	00018			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
6	12	-51	20			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	YARD		

Emission Unit	E00001	Emission Pt.	00019			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
6	12	-51	20			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	YARD		



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Point

Emission Unit	E00001	Emission Pt.	00020			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
6	40	-87	27			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	10		

Emission Unit	E00001	Emission Pt.	00021			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
10	150	94	120			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	12		

Emission Unit	E00001	Emission Pt.	00024			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
9	69	5			11	5
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	12G		

Emission Unit	E00001	Emission Pt.	00025			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
9	5	5			11	5
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	ADJ-12G		

Emission Unit	E00001	Emission Pt.	00026			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
9	102	-43			11	5
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	9		

Emission Unit	E00001	Emission Pt.	00027			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
8	116	-33	6			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	9		

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Source / Control

Emission Unit	E00001	Emission Source	00001		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
				AIR COOLING OF DRIED GRANULATED SUGAR	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00001	Emission Source	00003		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
				HOT AIR DRYING OF GRANULATED SUGAR	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00001	Emission Source	00004		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
				FOOD PROCESSING	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00001	Emission Source	00006		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
				FOOD PROCESSING	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00001	Emission Source	00007		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
				CONVEYING SOLIDS	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Source / Control

Emission Unit	E00001	Emission Source	00008		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
				CONVEYING SOLIDS	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00001	Emission Source	00009		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
				CONVEYING SOLIDS	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00001	Emission Source	00012		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
				CONVEYING SOLIDS	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00001	Emission Source	00014		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
				CONVEYING SOLIDS	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00001	Emission Source	00015		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
				BULK TRAILER MANHOLE EXHAUST	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Source / Control

Emission Unit	E00001	Emission Source	00016		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
I				CONVEYING	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00001	Emission Source	00017		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
I				CONVEYING	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00001	Emission Source	00018		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
I				BULK TRAILER MANHOLE EXHAUST	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00001	Emission Source	00019		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
I				BULK TRAILER MANHOLE EXHAUST	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00001	Emission Source	00020		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
I				HOT AIR DRYING	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Source / Control

Emission Unit	E00001	Emission Source	00021		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
I				VACUUM SYSTEM	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00001	Emission Source	00024		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
I				CONVEYING	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00001	Emission Source	00025		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
I				CONVEYING	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00001	Emission Source	00026		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
I				CONVEYING	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00001	Emission Source	00027		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
I				CONVEYING	
Design Capacity		Units Code		Desc	
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Process Information

Emission Unit	E00001	Process	00A		
Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units		
30200770	Quantity / Hr	Quantity / Yr	Code	Description	
<input type="checkbox"/> Confidential	Operating Schedule		Building	Floor / Location	
<input type="checkbox"/> Operating At Maximum Capacity	Hrs / Day	Days / Yr			
<input type="checkbox"/> Activity w/ Insignificant Emission			10		

Description

AIR COOLING AND HOT AIR DRYING OF GRANULATED SUGAR. THE REGULATORY REQUIREMENT CITED BY PART 212.9 (D) OF 0.03 GRAINS/DSCF IS MET.

Emission Source / Control Identifier(s)

00001 00003 00020

Emission Unit	E00001	Process	00B		
Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units		
30201599	Quantity / Hr	Quantity / Yr	Code	Description	
<input type="checkbox"/> Confidential	Operating Schedule		Building	Floor / Location	
<input type="checkbox"/> Operating At Maximum Capacity	Hrs / Day	Days / Yr			
<input type="checkbox"/> Activity w/ Insignificant Emission					

Description

EXHAUSTING, CONVEYING AND STORAGE SYSTEM. THE REGULATORY REQUIREMENT CITED BY PART 212.3 (B) OF 0.15 GRAINS/DSCF IS MET.

Emission Source / Control Identifier(s)

00004 00014

Emission Unit	E00001	Process	00C		
Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units		
30502740	Quantity / Hr	Quantity / Yr	Code	Description	
<input type="checkbox"/> Confidential	Operating Schedule		Building	Floor / Location	
<input type="checkbox"/> Operating At Maximum Capacity	Hrs / Day	Days / Yr			
<input type="checkbox"/> Activity w/ Insignificant Emission			9		

Description

CLASSIFYING OF REVIVIFIED BONE CHAR. THE REGULATORY REQUIREMENT CITED BY PART 212.3 (B) OF 0.15 GRAINS/DSCF IS MET.

Emission Source / Control Identifier(s)

00006

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Process Information

Emission Unit	E00001	Process	00D		
Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units		
	Quantity / Hr	Quantity / Yr	Code	Description	
30201599					
<input type="checkbox"/> Confidential	Operating Schedule		Building	Floor / Location	
<input type="checkbox"/> Operating At Maximum Capacity	Hrs / Day	Days / Yr			
<input type="checkbox"/> Activity w/ Insignificant Emission			12		

Description

VACUUM SYSTEM TO RECOVER GRANULATED SUGAR. THE REGULATORY REQUIREMENT CITED BY PART 212.3 (B) OF 0.15 GRAINS/DSCF IS MET.

Emission Source / Control Identifier(s)

00021

Emission Unit	E00001	Process	00E		
Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units		
	Quantity / Hr	Quantity / Yr	Code	Description	
30201599					
<input type="checkbox"/> Confidential	Operating Schedule		Building	Floor / Location	
<input type="checkbox"/> Operating At Maximum Capacity	Hrs / Day	Days / Yr			
<input type="checkbox"/> Activity w/ Insignificant Emission					

Description

CONVEYING AND STORAGE SYSTEM. THE REGULATORY REQUIREMENT CITED BY PART 212.3 (B) OF 0.15 GRAINS/DSCF IS MET.

Emission Source / Control Identifier(s)

00024

00025

00026

00027

Emission Unit	E00001	Process	00F		
Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units		
	Quantity / Hr	Quantity / Yr	Code	Description	
30201599					
<input type="checkbox"/> Confidential	Operating Schedule		Building	Floor / Location	
<input type="checkbox"/> Operating At Maximum Capacity	Hrs / Day	Days / Yr			
<input checked="" type="checkbox"/> Activity w/ Insignificant Emission					

Description

CONVEYING AND STORAGE SYSTEM. THE REGULATORY REQUIREMENT CITED BY PART 212.3 (B) OF 0.15 GRAINS/DSCF IS MET.

Emission Source / Control Identifier(s)

00007

00008

00009

00012

00016

00017

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Process Information

Emission Unit	E00001	Process	00G		
Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units		
	Quantity / Hr	Quantity / Yr	Code	Description	
30201599					
<input type="checkbox"/> Confidential	Operating Schedule		Building	Floor / Location	
<input type="checkbox"/> Operating At Maximum Capacity	Hrs / Day	Days / Yr			
<input checked="" type="checkbox"/> Activity w/ Insignificant Emission			YARD		

Description

BULK TRAILOR MANHOLE EXHAUST AT GRANULATED SUGAR LOADING SPOT. THE REGULATORY REQUIREMENT CITED BY PART 212.3 (B) OF 0.15 GRAINS/DSCF IS MET.

Emission Source / Control Identifier(s)

00015

00018

00019

Emission Unit Compliance Certification

Emission Unit	F-00001	Emission Point		Process		Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	212		6	a					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emissions of uncombined water.

<input type="checkbox"/> Capping	CAS No.	ONY075-00-0	Cont Name	PARTICULATES	
Monitoring Information			<input checked="" type="checkbox"/> INTERMITTENT EMISSION TESTING		
Work Practice	Process Material		Ref Test Method		
Type	Code	Description	Method 9		
Parameter		Manufacturer Name/Model No.			
Code	Description				
01	OPACITY				
Limit		Limit Units			
Upper	Lower	Code	Description		
20		136	percent		
Averaging Method	Code	60	Desc	MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DES	
Monitoring Freq	Code	03	Desc	DAILY	
Reporting Reqs	Code	15	Desc	ANNUALLY (CALENDAR)	

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00001	Emission Point		Process	00A	Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	212		9	d					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

The set limit based on permissible emission rates based on process weight. The process is described as "continuous process material dryers emitting solid particulates and water only".

<input type="checkbox"/> Capping	CAS No.	ONY075-00-0	Cont Name	PARTICULATES
Monitoring Information				
<input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE				
Work Practice	Process Material			Ref Test Method
Type	Code	Description		
Parameter				Manufacturer Name/Model No.
Code	Description			
ONY075000	PARTICULATES			
Limit		Limit Units		
Upper	Lower	Code	Description	
0.03		12	grains per dscf	
Averaging Method	Code	08	Desc	1-HOUR AVERAGE
Monitoring Freq	Code	17	Desc	ONCE DURING THE TERM OF THE PERMIT
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)

Emission Unit Emissions Summary

Emission Unit	E-00001				
CAS No.	Contaminant Name				
ONY075-00-0	PARTICULATES				
ERP (lb/yr)	PTE (lb/hr)	PTE (lb/yr)	Actual (lb/hr)	Actual (lb/yr)	
4628784	5.28	46287.84			



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Description

Emission Unit	E00002
---------------	--------

COMBUSTION SOURCES INCLUDING A BOILER, A DIESEL GENERATOR, AND ONE COGENERATION UNIT COMPRISING A GAS TURBINE AND A DUCT BURNER.

Building

Building	Building Name	Length	Width	Orient.
4	BUILDING 4			
4C	BUILDING 4C			
5A	BUILDING 5A			

Emission Point

Emission Unit	E00002	Emission Pt.	00022			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
23	25	8	20			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	4C		

Emission Unit	E00002	Emission Pt.	00023			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
23	70	15	46	300		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
83.03	57493	592.2	4531.35	5A		

Emission Unit	E00002	Emission Pt.	0021C			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
10	150	94	120			
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
		592.2	4531.35	4		

Emission Source / Control

Emission Unit	E00002	Emission Source	00022			
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.		
C		10/01/1979		POWERHOUSE DIESEL GENERATOR		
Design Capacity	22.96	Units Code	25	Desc	million Btu per hour	
Control Type	Code		Desc			
Waste Feed	Code		Desc			
Waste Type	Code		Desc			

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Source / Control

Emission Unit	E00002	Emission Source	00023		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
C		11/01/1991		GAS TURBINE / COGENERATION UNIT	
Design Capacity	167	Units Code	25	Desc	million Btu per hour
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	E00002	Emission Source	0021C		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
C		08/01/1982		BOILER #3	
Design Capacity	165.5	Units Code	25	Desc	million Btu per hour
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Process Information

Emission Unit	E00002	Process	C01		
Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units		
	Quantity / Hr	Quantity / Yr	Code	Description	
10100601					
<input type="checkbox"/> Confidential <input type="checkbox"/> Operating At Maximum Capacity <input type="checkbox"/> Activity w/ Insignificant Emission		Operating Schedule		Building	Floor / Location
		Hrs / Day	Days / Yr		
				4	

Description

BOILER #3 USING NATURAL GAS.

Emission Source / Control Identifier(s)

0021C

Emission Unit	E00002	Process	C02		
Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units		
	Quantity / Hr	Quantity / Yr	Code	Description	
10100501					
<input type="checkbox"/> Confidential <input type="checkbox"/> Operating At Maximum Capacity <input type="checkbox"/> Activity w/ Insignificant Emission		Operating Schedule		Building	Floor / Location
		Hrs / Day	Days / Yr		
				4	

Description

BOILER #3 USING NO. 2 FUEL OIL.

Emission Source / Control Identifier(s)

0021C



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Process Information

Emission Unit	E00002	Process	C05		
Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units		
	Quantity / Hr	Quantity / Yr	Code	Description	
20200102					
<input type="checkbox"/> Confidential	Operating Schedule		Building	Floor / Location	
<input type="checkbox"/> Operating At Maximum Capacity	Hrs / Day	Days / Yr			
<input type="checkbox"/> Activity w/ Insignificant Emission			4C		

Description

POWERHOUSE DIESEL GENERATOR BURNING NO. 2 FUEL OIL.

Emission Source / Control Identifier(s)

00022

Emission Unit	E00002	Process	C06		
Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units		
	Quantity / Hr	Quantity / Yr	Code	Description	
20200203					
<input type="checkbox"/> Confidential	Operating Schedule		Building	Floor / Location	
<input type="checkbox"/> Operating At Maximum Capacity	Hrs / Day	Days / Yr			
<input type="checkbox"/> Activity w/ Insignificant Emission			5A		

Description

GAS TURBINE / COGENERATION UNIT BURNING NATURAL GAS.

Emission Source / Control Identifier(s)

00023

Emission Unit	E00002	Process	C07		
Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units		
	Quantity / Hr	Quantity / Yr	Code	Description	
20200103					
<input type="checkbox"/> Confidential	Operating Schedule		Building	Floor / Location	
<input type="checkbox"/> Operating At Maximum Capacity	Hrs / Day	Days / Yr			
<input type="checkbox"/> Activity w/ Insignificant Emission			5A		

Description

GAS TURBINE / COGENERATION UNIT BURNING NO. 2 FUEL OIL.

Emission Source / Control Identifier(s)

00023

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Process Information

Emission Unit	E00002	Process	C08		
Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units		
20100201	Quantity / Hr	Quantity / Yr	Code	Description	
<input type="checkbox"/> Confidential	Operating Schedule		Building	Floor / Location	
<input type="checkbox"/> Operating At Maximum Capacity	Hrs / Day	Days / Yr			
<input type="checkbox"/> Activity w/ Insignificant Emission					

Description

EXISTING GAS TURBINE BURNING NATURAL GAS WITHOUT ITS ASSOCIATED DUCT BURNER

Emission Source / Control Identifier(s)

00023

Emission Unit	E00002	Process	C09		
Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units		
20200103	Quantity / Hr	Quantity / Yr	Code	Description	
<input type="checkbox"/> Confidential	Operating Schedule		Building	Floor / Location	
<input type="checkbox"/> Operating At Maximum Capacity	Hrs / Day	Days / Yr			
<input type="checkbox"/> Activity w/ Insignificant Emission					

Description

EXISTING GAS TURBINE BURNING No.2 OIL WITHOUT ITS ASSOCIATED DUCT BURNER

Emission Source / Control Identifier(s)

00023

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point		Process		Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	201	7							
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

The emission unit is capping its NOx emissions to 274.5 tons/year. The emission unit will calculate its NOx emissions from all emission sources, the diesel engine, boiler # 3, the turbine co-generation system. This calculation will be based on monthly fuel consumption records and the corresponding AP-42 emission factors.

<input checked="" type="checkbox"/> Capping	CAS No.	0NY210-00-0	Cont Name	OXIDES OF NITROGEN	
Monitoring Information			<input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE		
Work Practice		Process Material		Ref Test Method	
Type	Code	Description			
Parameter				Manufacturer Name/Model No.	
Code		Description			
0NY210000		OXIDES OF NITROGEN			
Limit		Limit Units			
Upper	Lower	Code	Description		
274.5		38	tons per year		
Averaging Method	Code	17	Desc	ANNUAL MAXIMUM ROLLED MONTHLY	
Monitoring Freq	Code	14	Desc	AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION	
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)	

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00022	Process		Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	6	c					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

The owner or operator of an internal combustion engine, when required to stack test under subdivision (a) of this section shall:

- (1) Submit a compliance test protocol to the department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
- (2) Utilize procedures set forth in 40CFR 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this subpart, and shall follow the procedures set forth in part 202 of this Title.

<input type="checkbox"/> Capping	CAS No.	0NY210-00-0	Cont Name	OXIDES OF NITROGEN
Monitoring Information				
				<input checked="" type="checkbox"/> INTERMITTENT EMISSION TESTING
Work Practice		Process Material		Ref Test Method
Type	Code	Description		
				Approved Method
Parameter				Manufacturer Name/Model No.
Code		Description		
0NY210000		OXIDES OF NITROGEN		
Limit		Limit Units		
Upper	Lower	Code	Description	
9		319	grams per brake horsepower-hour	
Averaging Method	Code	08	Desc	1-HOUR AVERAGE
Monitoring Freq	Code	14	Desc	AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Reqs	Code	10	Desc	UPON REQUEST BY REGULATORY AGENCY

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00022	Process	C05	Emission Source	00022			
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	4	f	2	ii			
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

Effective 5/31/95 any owner of stationary internal combustion lean burn engine of 225 HP or larger in the severe non-attainment area which provides primary power or is used for peak shaving generation, must comply with the following emission limit:

<input type="checkbox"/> Capping	CAS No.	0NY210-00-0	Cont Name	OXIDES OF NITROGEN	
Monitoring Information				<input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE	
Work Practice		Process Material		Ref Test Method	
Type	Code	Description			
				Approved Method	
		Parameter		Manufacturer Name/Model No.	
Code	Description				
0NY210000	OXIDES OF NITROGEN				
Limit		Limit Units			
Upper	Lower	Code	Description		
9		319	grams per brake horsepower-hour		
Averaging Method	Code	08	Desc	1-HOUR AVERAGE	
Monitoring Freq	Code	05	Desc	MONTHLY	
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)	

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00022	Process	C05	Emission Source	00022			
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	4	f	2	ii			
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

NOx emissions resulting from the operation of the diesel engine cannot exceed the upper limit amount stated below. This limit which is a function of the source's rating, the regulatory limit and the efficiency of the source was calculated as follows:

Diesel Engine's heat rating: 22.96 mmBTU/hr
 NOx regulatory limitation: 9 grams/ BHP*hr
 Conversion factor: 1 BTU = 3.929 * 10⁻⁴ HP*hr
 Diesel Engine's Efficiency: 60 %

Convert engine's rating to HP:
 22.96 (mmBTU/hr) * 3.929*10⁻⁴ (HP*hr/BTU) = 9021 HP

Convert HP to BHP:
 9021 HP * 0.6 = 5412.6 BHP

Calculate NOx emission:
 5412.6 BHP * 9 grams/BHP*hr = 48,713.4 grams/hr

Convert to lbs /hr:
 48,713.4 (grams/hr) / 453.53 (lbs/grams) = 107.4 lbs/ hour.

<input type="checkbox"/> Capping	CAS No.	0NY210-00-0	Cont Name	OXIDES OF NITROGEN	
Monitoring Information				<input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE	
Work Practice		Process Material		Ref Test Method	
Type	Code	Description			
				Approved Method	
Parameter		Limit		Manufacturer Name/Model No.	
Code	Description				
0NY210000	OXIDES OF NITROGEN				
Limit		Limit Units			
Upper	Lower	Code	Description		
107.41		3	pounds per hour		
Averaging Method	Code	08	Desc	1-HOUR AVERAGE	
Monitoring Freq	Code	05	Desc	MONTHLY	
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)	

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process		Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
40	CFR	60	Db	42b	j					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

Percent reduction requirements ARE NOT applicable to affected facilities combusting only very low sulfur oil. The owner or operator of an affected facility combusting very low sulfur oil shall demonstrate that the oil combusted during the reporting period, meets the definition of very low sulfur oil by maintaining receipts as described in 60.49b(r).

<input type="checkbox"/> Capping	CAS No.	007446-09-5	Cont Name	SULFUR DIOXIDE	
Monitoring Information				<input checked="" type="checkbox"/> RECORD KEEPING/MAINTENANCE PROCEDL	
Work Practice		Process Material		Ref Test Method	
Type	Code	Description			
Parameter				Manufacturer Name/Model No.	
Code	Description				
Limit		Limit Units			
Upper	Lower	Code	Description		
Averaging Method	Code	Desc			
Monitoring Freq	Code	14	Desc	AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION	
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)	

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C06	Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
40	CFR	60	GG	333						
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

No owner or operator subject to the provisions of this subpart shall burn in any stationary gas turbine any fuel which contains sulfur in excess of 0.8 percent by weight. The owner shall maintain records which shall indicate that the facility is in compliance with this limitation.

<input type="checkbox"/> Capping	CAS No.	007446-09-5	Cont Name	SULFUR DIOXIDE	
Monitoring Information				<input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE	
Work Practice		Process Material		Ref Test Method	
Type	Code	Description			
				ASTM Method	
Parameter				Manufacturer Name/Model No.	
Code		Description			
32		SULFUR CONTENT			
Limit		Limit Units			
Upper	Lower	Code	Description		
0.8		57	percent by weight		
Averaging Method	Code	01	Desc	MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/E	
Monitoring Freq	Code	14	Desc	AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION	
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)	

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C06	Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	4	e	2	i			
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

Combined cycle combustion units with maximum heat input rates of 10 mmBTU/hr or greater must comply with the following limit:

<input type="checkbox"/> Capping	CAS No.	0NY210-00-0	Cont Name	OXIDES OF NITROGEN
Monitoring Information				
<input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE				
Work Practice		Process Material		Ref Test Method
Type	Code	Description		
Parameter				Manufacturer Name/Model No.
Code	Description			
0NY210000	OXIDES OF NITROGEN			
Limit		Limit Units		
Upper	Lower	Code	Description	
42		275	parts per million by volume (dry, corrected to 15% O2)	
Averaging Method	Code	08	Desc	1-HOUR AVERAGE
Monitoring Freq	Code	05	Desc	MONTHLY
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)

May 24, 2007 12:05 pm

Emission Unit Compliance Certification

Description

Co-gen Rating: 167 mmBTU/hr
 NOx regulatory limitation: 42 ppmvd at 15% Oxygen
 Conversion factor: 1 ppm of NOx = 1.194*10^{^(-7)} lb/scf
 Equation used: $E = Cd * Fd * [20.9 / (20.9 - 15)]$, where : E = Emission in lbs/mmBTU
 Cd = NOx concentration (mass) in lb/scf
 Fd = fuel factor (scf/mmBTU)

Short term limit: $167 \text{ mmBTU/hr} * 0.1547 \text{ lb/mmBTU} = 25.84 \text{ lb/hr}$

Page 29 of 52

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C06	Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	6	c					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

The owner /operator of a combined cycle turbine, burning natural gas, when required to stack test under subdivision (a) of this section shall:

(1) Submit a compliance test protocol to the department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

(2) Utilize procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this subpart, and shall follow the procedures set forth in part 202 of this Title.

<input type="checkbox"/> Capping	CAS No.	0NY210-00-0	Cont Name	OXIDES OF NITROGEN	
Monitoring Information				<input checked="" type="checkbox"/> INTERMITTENT EMISSION TESTING	
Work Practice		Process Material			Ref Test Method
Type	Code	Description			
					Approved Method
Parameter				Manufacturer Name/Model No.	
Code		Description			
0NY210000		OXIDES OF NITROGEN			
Limit			Limit Units		
Upper	Lower	Code	Description		
42		275	parts per million by volume (dry, corrected to 15% O2)		
Averaging Method	Code	08	Desc	1-HOUR AVERAGE	
Monitoring Freq	Code	14	Desc	AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION	
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)	

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C06	Emission Source	00023			
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
40	CFR	60	GG							
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

Waiver of monitoring of fuel sulfur while the source operates on natural gas.

Monitoring of fuel sulfur will be conducted as per April 24, 1997 custom fuel monitoring schedule granted by EPA which is as follows:

A. Analysis for the fuel sulfur content of natural gas shall be conducted using one of the approved ASTM reference methods for the measurement of sulfur in gaseous fuels, or an approved alternative method. These reference methods are located in 40 CFR 60.335 (d).

B. Effective the date of this custom schedule (4/24/97), sulfur monitoring shall be conducted twice monthly for a period of six months. If this monitoring shows little variability in the fuel sulfur content and indicates consistent compliance with 40CFR 60.333, then fuel sulfur content shall be monitored quarterly for the next six quarters.

C. Upon completion of the six quarter monitoring period in item B, if the fuel sulfur content monitoring results show little variability and consistent compliance with 40 CFR 60.333, then fuel sulfur content shall be monitored semiannually. This semiannual monitoring shall be conducted during the first and third quarters of each calendar year.

D. Should any fuel sulfur monitoring, as required by item B and C above, indicate noncompliance with 40 CFR 60.333, the owner or operator shall notify EPA and the New York State Department of Environmental Conservation (NYSDEC) within 15 calendar days of the occurrence(s). Fuel sulfur content monitoring shall be conducted weekly during the interim period while the custom schedule is being reexamined by EPA.

E. Records of sample analysis and fuel pertinent to this custom fuel monitoring schedule shall be retained for a period of three (3) years, and be available for inspection by personnel of federal, state and local air pollution control agencies.

<input type="checkbox"/> Capping	CAS No.	007446-09-5	Cont Name	SULFUR DIOXIDE	
Monitoring Information				<input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE	
Work Practice		Process Material			Ref Test Method
Type	Code	Description			
Parameter					Manufacturer Name/Model No.
Code		Description			
32		SULFUR CONTENT			
Limit		Limit Units			
Upper	Lower	Code	Description		
0.8		57	percent by weight		
Averaging Method	Code	60	Desc	MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DES	
Monitoring Freq	Code	14	Desc	AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION	
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)	

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C06	Emission Source	00023			
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
40	CFR	60	GG							
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

Waiver of monitoring of fuel nitrogen while the source operates on natural gas:

Monitoring of fuel nitrogen will be conducted as per April 24, 1997 custom fuel monitoring schedule granted by EPA which is as follows:

Monitoring of fuel nitrogen shall not be required while natural gas is the only fuel fired in the gas turbine. Records of sample analysis and fuel supply pertinent to this custom fuel monitoring schedule shall be retained for a period of three (3) years and be available for inspection by personnel of federal, state and local air pollution control agencies.

<input type="checkbox"/> Capping	CAS No.	ONY210-00-0	Cont Name	OXIDES OF NITROGEN	
Monitoring Information				<input checked="" type="checkbox"/> RECORD KEEPING/MAINTENANCE PROCEDU	
Work Practice		Process Material			Ref Test Method
Type	Code	Description			
Parameter				Manufacturer Name/Model No.	
Code		Description			
Limit		Limit Units			
Upper	Lower	Code	Description		
Averaging Method	Code	60	Desc	MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DES	
Monitoring Freq	Code	14	Desc	AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION	
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)	

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C06	Emission Source	00023			
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
40	CFR	60	GG	334	a					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

The owner or operator of any stationary gas turbine subject to the provisions of 40 CFR60 subpart GG that is using water injection to control NOx emissions shall install and operate a continuous monitoring system to monitor and record fuel consumption and the ratio of water to fuel in the turbine. This system shall be accurate to within +/- 5% and shall be approved by the administrator. The facility is not currently monitoring the water to fuel ratio. The facility, unless it is granted a waiver from this requirement by EPA, must establish the water to fuel ratio range and begin monitoring within 180 days of the issuance date of this permit.

<input type="checkbox"/> Capping	CAS No.			Cont Name			
Monitoring Information				<input checked="" type="checkbox"/> RECORD KEEPING/MAINTENANCE PROCEDL			
Work Practice		Process Material			Ref Test Method		
Type	Code	Description					
		Parameter			Manufacturer Name/Model No.		
Code	Description						
Limit		Limit Units					
Upper	Lower	Code	Description				
Averaging Method	Code	Desc					
Monitoring Freq	Code	03	Desc	DAILY			
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)			

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C07	Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	6	c					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

The owner /operator of a combined cycle turbine, burning No. 2 oil, when required to stack test under subdivision (a) of this section shall:

(1) Submit a compliance test protocol to the department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

(2) Utilize procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this subpart, and shall follow the procedures set forth in part 202 of this Title.

<input type="checkbox"/> Capping	CAS No.	ONY210-00-0	Cont Name	OXIDES OF NITROGEN
Monitoring Information				
				<input checked="" type="checkbox"/> INTERMITTENT EMISSION TESTING
Work Practice	Process Material			Ref Test Method
Type	Code	Description		
				Approved Method
Parameter				Manufacturer Name/Model No.
Code	Description			
ONY210000	OXIDES OF NITROGEN			
Limit		Limit Units		
Upper	Lower	Code	Description	
65		275	parts per million by volume (dry, corrected to 15% O2)	
Averaging Method	Code	08	Desc	1-HOUR AVERAGE
Monitoring Freq	Code	14	Desc	AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C07	Emission Source	00023			
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
40	CFR	60	GG	334	a					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

The owner or operator of any stationary gas turbine subject to the provisions of 40 CFR60 subpart GG that is using water injection to control NOx emissions shall install and operate a continuous monitoring system to monitor and record fuel consumption and the ratio of water to fuel in the turbine. This system shall be accurate to within +/- 5% and shall be approved by the administrator.
The facility is not currently monitoring the water to fuel ratio. The facility, unless it is granted a waiver from this requirement by EPA, must establish the water to fuel ratio range and begin monitoring within 180 days of the issuance date of this permit.

<input type="checkbox"/> Capping	CAS No.			Cont Name		
Monitoring Information					<input checked="" type="checkbox"/> RECORD KEEPING/MAINTENANCE PROCEDL	
Work Practice		Process Material			Ref Test Method	
Type	Code	Description				
Parameter					Manufacturer Name/Model No.	
Code	Description					
Limit			Limit Units			
Upper	Lower	Code	Description			
Averaging Method	Code		Desc			
Monitoring Freq	Code	03	Desc	DAILY		
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)		

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C07	Emission Source	00023			
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	4	e	2	ii			
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

Combined cycle turbines with maximum heat input rates of 10 mmBTU/hr or greater must comply with the limit stated below. For units with a duct burner compliance will be based on the combination of the turbine and the duct burner when both fire, and the turbine alone when not duct firing.

Compliance with these emission limits shall be determined with a one hour average in accordance with the section 227-2.6 (a) (6).

<input type="checkbox"/> Capping	CAS No.	ONY210-00-0	Cont Name	OXIDES OF NITROGEN
Monitoring Information				
<input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE				
Work Practice		Process Material		Ref Test Method
Type	Code	Description		
Parameter				Manufacturer Name/Model No.
Code	Description			
ONY210000	OXIDES OF NITROGEN			
Limit		Limit Units		
Upper	Lower	Code	Description	
65		275	parts per million by volume (dry, corrected to 15% O2)	
Averaging Method	Code	08	Desc	1-HOUR AVERAGE
Monitoring Freq	Code	05	Desc	MONTHLY
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C07	Emission Source	00023			
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	4	e	2	ii			
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

NOx emissions resulting from the operation of the co-gen when it is operated on oil cannot exceed the upper limit amount stated below. This limit which is a function of the source's rating and the regulatory limit was calculated according to Method 19 as follows:

Co-gen Rating: 167 mmBTU/hr

NOx regulatory limitation: 65 ppmvd at 15% Oxygen

Conversion factor: 1 ppm of NOx = 1.194×10^{-7} lb/scf

Equation used: $E = Cd * Fd * [20.9 / (20.9 - 15)]$, where : E = Emission in lbs/mmBTU
Cd = NOx concentration (mass) in lb/scf
Fd = fuel factor (scf/mmBTU)

Then:

Cd = 65 ppmvd at 15% Oxygen

Fd = 9190 scf/mmBTU for No.2 oil.

$E = 65 * 1.194 \times 10^{-7} \text{ lb/scf} * 9190 \text{ scf/mmBTU} * [20.9 / (20.9 - 15)] = 0.2527 \text{ lb/mmBTU}$

Short term limit: $167 \text{ mmBTU/hr} * 0.2527 \text{ lb/mmBTU} = 42.2 \text{ lb/hr}$

<input type="checkbox"/> Capping	CAS No.	0NY210-00-0	Cont Name	OXIDES OF NITROGEN	
Monitoring Information				<input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE	
Work Practice		Process Material		Ref Test Method	
Type	Code	Description			
Parameter				Manufacturer Name/Model No.	
Code	Description				
0NY210000	OXIDES OF NITROGEN				
Limit		Limit Units			
Upper	Lower	Code	Description		
42.2		3	pounds per hour		
Averaging Method	Code	08	Desc	1-HOUR AVERAGE	
Monitoring Freq	Code	05	Desc	MONTHLY	
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)	

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C08	Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
40	CFR	60	GG							
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

Waiver of monitoring of fuel nitrogen while the source operates on natural gas:

Monitoring of fuel nitrogen will be conducted as per April 24, 1997 custom fuel monitoring schedule granted by EPA which is as follows:

Monitoring of fuel nitrogen shall not be required while natural gas is the only fuel fired in the gas turbine. Records of sample analysis and fuel supply pertinent to this custom fuel monitoring schedule shall be retained for a period of three (3) years and be available for inspection by personnel of federal, state and local air pollution control agencies.

<input type="checkbox"/> Capping	CAS No.	0NY210-00-0	Cont Name	OXIDES OF NITROGEN	
Monitoring Information				<input checked="" type="checkbox"/> RECORD KEEPING/MAINTENANCE PROCEDU	
Work Practice		Process Material			Ref Test Method
Type	Code	Description			
					Manufacturer Name/Model No.
Parameter					
Code		Description			
Limit		Limit Units			
Upper	Lower	Code	Description		
Averaging Method	Code	60	Desc	MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DES	
Monitoring Freq	Code	14	Desc	AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION	
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)	

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C08	Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
40	CFR	60	GG	333						
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

Waiver of monitoring of fuel sulfur while the source operates on natural gas.

Monitoring of fuel sulfur will be conducted as per April 24, 1997 custom fuel monitoring schedule granted by EPA which is as follows:

A. Analysis for the fuel sulfur content of natural gas shall be conducted using one of the approved ASTM reference methods for the measurement of sulfur in gaseous fuels, or an approved alternative method. These reference methods are located in 40 CFR 60.335 (d).

B. Effective the date of this custom schedule (4/24/97), sulfur monitoring shall be conducted twice monthly for a period of six months. If this monitoring shows little variability in the fuel sulfur content and indicates consistent compliance with 40CFR 60.333, then fuel sulfur content shall be monitored quarterly for the next six quarters.

C. Upon completion of the six quarter monitoring period in item B, if the fuel sulfur content monitoring results show little variability and consistent compliance with 40 CFR 60.333, then fuel sulfur content shall be monitored semiannually. This semiannual monitoring shall be conducted during the first and third quarters of each calendar year.

D. Should any fuel sulfur monitoring, as required by item B and C above, indicate noncompliance with 40 CFR 60.333, the owner or operator shall notify EPA and the New York State Department of Environmental Conservation (NYSDEC) within 15 calendar days of the occurrence(s). Fuel sulfur content monitoring shall be conducted weekly during the interim period while the custom schedule is being reexamined by EPA.

E. Records of sample analysis and fuel pertinent to this custom fuel monitoring schedule shall be retained for a period of three (3) years, and be available for inspection by personnel of federal, state and local air pollution control agencies.

<input type="checkbox"/> Capping	CAS No.	007446-09-5	Cont Name	SULFUR DIOXIDE	
Monitoring Information				<input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE	
Work Practice		Process Material		Ref Test Method	
Type	Code	Description			
Parameter				Manufacturer Name/Model No.	
Code	Description				
32	SULFUR CONTENT				
Limit		Limit Units			
Upper	Lower	Code	Description		
0.8		57	percent by weight		
Averaging Method	Code	60	Desc	MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DES	
Monitoring Freq	Code	08	Desc	SEMI-ANNUALLY	
Reporting Reqs	Code	16	Desc	AS REQUIRED - SEE MONITORING DESCRIPTION	

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C08	Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
40	CFR	60	GG	334	a					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

The owner or operator of any stationary gas turbine subject to the provisions of 40 CFR60 subpart GG that is using water injection to control NOx emissions shall install and operate a continuous monitoring system to monitor and record fuel consumption and the ratio of water to fuel in the turbine. This system shall be accurate to within +/- 5% and shall be approved by the administrator. The facility is not currently monitoring the water to fuel ratio. The facility, unless it is granted a waiver from this requirement by EPA, must establish the water to fuel ratio range and begin monitoring within 180 days of the issuance date of this permit.

<input type="checkbox"/> Capping	CAS No.		Cont Name	
Monitoring Information				
				<input checked="" type="checkbox"/> RECORD KEEPING/MAINTENANCE PROCED
Work Practice		Process Material		Ref Test Method
Type	Code	Description		
Parameter				Manufacturer Name/Model No.
Code	Description			
Limit		Limit Units		
Upper	Lower	Code	Description	
Averaging Method	Code	Desc		
Monitoring Freq	Code	03	Desc	DAILY
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C08	Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	4	e	2	i			
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

NOx emissions resulting from the operation of the turbine when it is operated on natural gas cannot exceed the upper limit amount stated below. This limit which is a function of the source's rating and the regulatory limit was calculated according to Method 19 as follows:

Turbine Rating: 58 mmBTU/hr
 NOx regulatory limitation: 42 ppmvd at 15% Oxygen
 Conversion factor: 1 ppm of NOx = 1.194×10^{-7} lb/scf
 Equation used: $E = Cd * Fd * [20.9 / (20.9 - 15)]$, where: E = Emission in lbs/mmBTU
 Cd = NOx concentration (mass) in lb/scf
 Fd = fuel factor (scf/mmBTU)

Then:
 Cd = 42 ppmvd at 15% Oxygen
 Fd = 8710 scf/mmBTU for natural gas

$$E = 42 * 1.194 * 10^{-7} \text{ lb/scf} * 8710 \text{ scf/mmBTU} * [20.9 / (20.9 - 15)] = 0.1547 \text{ lb/mmBTU}$$

Short term limit: 58 mmBTU/hr * 0.1547 lb/mmBTU = 8.97 lb/hr

<input type="checkbox"/> Capping	CAS No.	0NY210-00-0	Cont Name	OXIDES OF NITROGEN	
Monitoring Information				<input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE	
Work Practice		Process Material		Ref Test Method	
Type	Code	Description			
		Parameter		Manufacturer Name/Model No.	
Code	Description				
0NY210000	OXIDES OF NITROGEN				
Limit		Limit Units			
Upper	Lower	Code	Description		
8.97		3	pounds per hour		
Averaging Method	Code	08	Desc	1-HOUR AVERAGE	
Monitoring Freq	Code	05	Desc	MONTHLY	
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)	

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C08	Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	4	e	2	i			
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

Combined cycle combustion units with maximum heat input rates of 10 mmBTU/hr or greater must comply with the following limit:

<input type="checkbox"/> Capping	CAS No.	ONY210-00-0	Cont Name	OXIDES OF NITROGEN
Monitoring Information				
<input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE				
Work Practice		Process Material		Ref Test Method
Type	Code	Description		
Parameter				Manufacturer Name/Model No.
Code	Description			
ONY210000	OXIDES OF NITROGEN			
Limit		Limit Units		
Upper	Lower	Code	Description	
42		275	parts per million by volume (dry, corrected to 15% O2)	
Averaging Method	Code	08	Desc	1-HOUR AVERAGE
Monitoring Freq	Code	05	Desc	MONTHLY
Reporting Reqs	Code	15	Desc	ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C08	Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	6	c					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

The owner /operator of a combined cycle turbine, burning natural gas, when required to stack test under subdivision (a) of this section shall:

(1) Submit a compliance test protocol to the department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

(2) Utilize procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this subpart, and shall follow the procedures set forth in part 202 of this Title.

<input type="checkbox"/> Capping	CAS No.	0NY210-00-0	Cont Name	OXIDES OF NITROGEN	
Monitoring Information				<input checked="" type="checkbox"/> INTERMITTENT EMISSION TESTING	
Work Practice		Process Material		Ref Test Method	
Type	Code	Description			
				Approved Method	
Parameter				Manufacturer Name/Model No.	
Code		Description			
0NY210000		OXIDES OF NITROGEN			
Limit		Limit Units			
Upper	Lower	Code	Description		
42		275	parts per million by volume (dry, corrected to 15% O2)		
Averaging Method	Code	08	Desc	1-HOUR AVERAGE	
Monitoring Freq	Code	14	Desc	AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION	
Reporting Reqs	Code	10	Desc	UPON REQUEST BY REGULATORY AGENCY	

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C09	Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
40	CFR	60	GG	334	a					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

The owner or operator of any stationary gas turbine subject to the provisions of 40 CFR60 subpart GG that is using water injection to control NOx emissions shall install and operate a continuous monitoring system to monitor and record fuel consumption and the ratio of water to fuel in the turbine. This system shall be accurate to within +/- 5% and shall be approved by the administrator.
 The facility is not currently monitoring the water to fuel ratio. The facility, unless it is granted a waiver from this requirement by EPA, must establish the water to fuel ratio range and begin monitoring within 180 days of the issuance date of this permit.

<input type="checkbox"/> Capping	CAS No.		Cont Name	
Monitoring Information				
<input checked="" type="checkbox"/> RECORD KEEPING/MAINTENANCE PROCEDL				
Work Practice	Process Material			Ref Test Method
Type	Code	Description		
Parameter				Manufacturer Name/Model No.
Code	Description			
Limit		Limit Units		
Upper	Lower	Code	Description	
Averaging Method	Code	Desc		
Monitoring Freq	Code	03	Desc	DAILY
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)

May 24, 2007 12:05 pm

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C09	Emission Source	
---------------	---------	----------------	-------	---------	-----	-----------------	--

Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	4	e	2	ii			
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Turbine Rating: 58 mmBTU/hr
 NOx regulatory limitation: 65 ppmvd at 15% Oxygen
 Conversion factor: 1 ppm of NOx = 1.194*10⁻⁷ lb/scf
 Equation used: E = Cd * Fd * [20.9 / (20.9 - 15)] , where : E = Emission in lbs/mmBTU
 Cd = NOx concentration (mass) in lb/scf
 Fd = fuel factor (scf/mmBTU)

Short term limit: $58 \text{ mmBTU/hr} * 0.2527 \text{ lb/mmBTU} = 14.7 \text{ lb/hr}$

<input type="checkbox"/> Capping	CAS No.	0NY210-00-0	Cont Name	OXIDES OF NITROGEN
Monitoring Information			<input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE	
Work Practice	Process Material			Ref Test Method
Type	Code	Description		
Parameter			Manufacturer Name/Model No.	
Code	Description			
0NY210000	OXIDES OF NITROGEN			
Limit		Limit Units		
Upper	Lower		Code	Description
14.7			3	pounds per hour
Averaging Method	Code	08	Desc	1-HOUR AVERAGE
Monitoring Freq	Code	05	Desc	MONTHLY
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C09	Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	4	e	2	ii			
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

Combined cycle turbines with maximum heat input rates of 10 mmBTU/hr or greater must comply with the limit stated below. For units with a duct burner compliance will be based on the combination of the turbine and the duct burner when both fire, and the turbine alone when not duct firing.

Compliance with these emission limits shall be determined with a one hour average in accordance with the section 227-2.6 (a) (6).

<input type="checkbox"/> Capping	CAS No.	0NY210-00-0	Cont Name	OXIDES OF NITROGEN	
Monitoring Information				<input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE	
Work Practice		Process Material		Ref Test Method	
Type	Code	Description			
Parameter				Manufacturer Name/Model No.	
Code		Description			
0NY210000		OXIDES OF NITROGEN			
Limit		Limit Units			
Upper	Lower	Code	Description		
65		275	parts per million by volume (dry, corrected to 15% O2)		
Averaging Method	Code	08	Desc	1-HOUR AVERAGE	
Monitoring Freq	Code	05	Desc	MONTHLY	
Reporting Reqs	Code	15	Desc	ANNUALLY (CALENDAR)	

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	00023	Process	C09	Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	6	c					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

The owner /operator of a combined cycle turbine, burning No. 2 oil, when required to stack test under subdivision (a) of this section shall:

(1) Submit a compliance test protocol to the department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

(2) Utilize procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this subpart, and shall follow the procedures set forth in part 202 of this Title.

<input type="checkbox"/> Capping	CAS No.	0NY210-00-0	Cont Name	OXIDES OF NITROGEN	
Monitoring Information				<input checked="" type="checkbox"/> INTERMITTENT EMISSION TESTING	
Work Practice	Process Material			Ref Test Method	
Type	Code	Description			
					Approved Method
Parameter			Manufacturer Name/Model No.		
Code	Description				
0NY210000	OXIDES OF NITROGEN				
Limit		Limit Units			
Upper	Lower	Code	Description		
65		275	parts per million by volume (dry, corrected to 15% O2)		
Averaging Method	Code	08	Desc	1-HOUR AVERAGE	
Monitoring Freq	Code	14	Desc	AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION	
Reporting Reqs	Code	10	Desc	UPON REQUEST BY REGULATORY AGENCY	

**New York State Department of Environmental Conservation
Air Permit Application**



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	0021C	Process		Emission Source	
Rule Citation							
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag
6	NYCRR	227	2	4	b	1	
<input checked="" type="checkbox"/> Applicable Federal Requirement							

Description

Boiler # 3 will not exceed 49.65 lbs of NOx per hour. This limit is based on the heat rating value of the boiler of 165.5 mmBTU/hr, and the allowable NOx emissions to 0.3 lbs/mmBTU or less (required by 227-2.4(b)(1)). The boiler is allowed the flexibility to consume natural gas or No.2 oil interchangeably.

Fuel records and hours of operation shall be available to the Department representatives for review upon request. The hourly NOx emissions shall be calculated on a 12-month rolling average basis. Reports shall be submitted semiannually on a calendar basis.

The calculation of the hourly NOx emissions shall be a function of the monthly quantity of fuel or fuels fired, the heating value of each fuel, the hours that the boiler operated within the month and the corresponding emission factors as given by the AP-42 Tables. The following equation shall be used:

$$280 \text{ (lbs/mmCF)} * Y \text{ (mmCF)} / Hn \text{ (hrs)} + 24 \text{ (lbs/1000 gallons)} * X \text{ (1000 gallons)} / Ho \text{ (hrs)} = 49.65 \text{ lbs /hr.}$$

where: Y: is a variable which represents the quantity of natural gas fired for one month.

X: is a variable which represents the quantity of No. 2 Oil fired for one month.

280 lbs/mmCF is the emissions factor used for boilers operated on natural gas as per AP-42.

24 lbs/1000 gallons is the emissions factor used for boilers operated on No.2 oil as per AP-42.

Hn: hours of operation on natural gas per month.

Ho: hours of operation on No. 2 oil per month.

<input checked="" type="checkbox"/> Capping	CAS No.	0NY210-00-0	Cont Name	OXIDES OF NITROGEN
Monitoring Information				
<input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE				
Work Practice	Process Material			Ref Test Method
Type	Code	Description		
03				
Parameter				Manufacturer Name/Model No.
Code	Description			
0NY210000	OXIDES OF NITROGEN			
Limit		Limit Units		
Upper	Lower	Code	Description	
49.65		3	pounds per hour	
Averaging Method	Code	51	Desc	1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME
Monitoring Freq	Code	14	Desc	AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	0021C	Process		Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	4	b	1				
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

Any owner or operator of a large boiler must comply with the emission limit stated below. Compliance with these emission limits shall be determined with a one-hour average in accordance with the provisions of section 227-2.6 (a) (3) which states: "The owner/operator of large boilers shall measure NOx emissions by performing stack tests described in subdivision (c) of this section".

<input checked="" type="checkbox"/> Capping	CAS No.	ONY210-00-0	Cont Name	OXIDES OF NITROGEN	
Monitoring Information				<input checked="" type="checkbox"/> MONITORING OF PROCESS OR CONTROL DE	
Work Practice		Process Material		Ref Test Method	
Type	Code	Description			
Parameter				Manufacturer Name/Model No.	
Code		Description			
ONY210000		OXIDES OF NITROGEN			
Limit		Limit Units			
Upper	Lower	Code	Description		
0.3		7	pounds per million Btus		
Averaging Method	Code	08	Desc	1-HOUR AVERAGE	
Monitoring Freq	Code	17	Desc	ONCE DURING THE TERM OF THE PERMIT	
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)	

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Compliance Certification

Emission Unit	E-00002	Emission Point	0021C	Process		Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	6	c					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

Description

The owner /operator of Large and Mid-size boilers (100 to 250 mmBTU/hr), when required to stack test under subdivision (a) of this section shall:

- (1) submit a compliance test protocol for approval at least 90- days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and
- (2) Utilize procedures set forth in 40 CFR 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this subpart, and shall follow the procedures set forth in part 202 of this title.

<input type="checkbox"/> Capping	CAS No.	ONY210-00-0	Cont Name	OXIDES OF NITROGEN	
Monitoring Information				<input checked="" type="checkbox"/> INTERMITTENT EMISSION TESTING	
Work Practice		Process Material		Ref Test Method	
Type	Code	Description		Approved Method	
				Manufacturer Name/Model No.	
Parameter		Limit		Limit Units	
Code	Description		Code	Description	
			7	pounds per million Btus	
Averaging Method	Code	60	Desc	MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION	
Monitoring Freq	Code	14	Desc	AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION	
Reporting Reqs	Code	10	Desc	UPON REQUEST BY REGULATORY AGENCY	

Determination of Non-Applicability (Title V Only)

Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
40	CFR	60	Db	44b	k					
Emission Unit		Emission Point		Process		Emission Source		<input checked="" type="checkbox"/> Applicable Federal Requirement		
E-00002		00023								

Description

Refined Sugars, Inc., is combusting fuel that meets the definition of low nitrogen fuel. Facilities that combust, alone or in combination, only natural gas or distillate oil with nitrogen content of 0.30 weight percent or less, ARE NOT subject to the nitrogen oxides emissions limitations of 0.2 lbs/mmBTU, under this section.

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Section IV - Emission Unit Information

Emission Unit Emissions Summary

Emission Unit	E-00002				
CAS No.	Contaminant Name				
0NY210-00-0	OXIDES OF NITROGEN				
ERP (lb/yr)	PTE (lb/hr)	PTE (lb/yr)	Actual (lb/hr)	Actual (lb/yr)	
549000	199.3	549000			

Compliance Plan

For any emission units which are not in compliance at the time of the permit application, the applicant shall complete the following:

Emission Unit	E-00002	Process		Emission Source						
Consent Order	NONE	Certified progress reports submitted every 6 months beginning								10/30/2001
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
40	CFR	60	GG	334	a					

Remedial Measure/Intermediate Milestones	R / I	Date Sched
Submit compliance report or waiver by EPA	I	10/30/2001
Establish the range of the water to fuel ratio and begin its monitoring.	R	02/28/2002

New York State Department of Environmental Conservation
Air Permit Application



DEC ID: 3551800214

Application ID: 355180021400019

Received Date: 12/09/1998

Facility: AMERICAN SUGAR REFINING COMPANY INC

May 24, 2007 12:05 pm

Supporting Documentation

Document Description	Received Date
Alternative Fuel Monitoring Schedule	04/24/1997
Calculations	12/09/1998
EPA Memo Re: Technical Infeasibility of Monitoring Nitrogen in Fuel	04/24/1997
List of Exempt Activities (form attached)	12/09/1998
Operational Flexibility: Desc of Alternative Operating Scenarios and Protocols	12/09/1998
P.E. Certification (form attached)	12/09/1998
Plot Plan	12/09/1998

New York State Department of Environmental Conservation
Facility DEC ID: 3551800214



PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air Title V Facility
Permit ID: 3-5518-00214/00019
Mod 0 Effective Date: 02/11/2002 Expiration Date: 02/11/2007
Mod 1 Effective Date: 05/13/2005 Expiration Date: 02/11/2007

Permit Issued To: THE AMERICAN SUGAR REFINING COMPANY INC
1 FEDERAL ST
YONKERS, NY 10705-1079

Contact: THOMAS MERRITT
AMERICAN SUGAR REFINING CO INC
ONE FEDERAL ST
YONKERS, NY 10705
(914) 709-8238

Facility: AMERICAN SUGAR REFINING COMPANY INC
ONE FEDERAL ST
YONKERS, NY 10705

Contact: THOMAS MERRITT
AMERICAN SUGAR REFINING CO INC
ONE FEDERAL ST
YONKERS, NY 10705
(914) 709-8238

Description:

This modification of emission unit 00002, involves the retirement of a 22.5 mmbtu/hr diesel generator and the installation of a new boiler (#5) rated at 214 mmbtu/hr. The new boiler's emissions are capped to 22.5 tons of NOx per year. The diesel generator and the new boiler are part of emission unit 00002 whose emissions will remain capped to under 274.5 tons of NOx per year.

New York State Department of Environmental Conservation
Facility DEC ID: 3551800214



By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: ROBERT J STANTON
NYS DEC DIVISION OF AIR RESOURCES
21 SOUTH PUTT CORNERS RD
NEW PALTZ, NY 12561-1696

Authorized Signature: _____ Date: ____ / ____ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

Permit Modifications, Suspensions, and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal-REGION 3

HEADQUARTERS



DEC GENERAL CONDITIONS

****** General Provisions ******

For the purpose of your Title V permit, the following section contains state-only enforceable terms and conditions

GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1.1:

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301.2(m)

Item 2.1:

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 1-1: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 1-1.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 1-1.2:

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 1-1.3:

New York State Department of Environmental Conservation
Facility DEC ID: 3551800214



Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13(a)

Expired by Mod No: 1

Item 3.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Condition 1-2: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 1-2.1:

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

Condition 4: Permit Modifications, Suspensions, and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit. The grounds for modification, suspension or revocation include:

- a) the scope of the permitted activity is exceeded or a violation of any condition of the permit or provisions of the ECL and pertinent regulations is found;
- b) the permit was obtained by misrepresentation or failure to disclose relevant facts;
- c) new material information is discovered; or
- d) environmental conditions, relevant technology, or applicable law or regulation have materially changed since the permit was issued.



**** Facility Level ****

**Condition 5: Submission of Applications for Permit Modification or Renewal-REGION 3
HEADQUARTERS**
Applicable State Requirement: 6NYCRR 621.5(a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 3 Headquarters
Division of Environmental Permits
21 South Platt Corners Road
New Paltz, NY 12561-1696
(845) 256-3054

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: THE AMERICAN SUGAR REFINING COMPANY INC
1 FEDERAL ST
YONKERS, NY 10705-1079

Facility: AMERICAN SUGAR REFINING COMPANY INC
ONE FEDERAL ST
YONKERS, NY 10705

Authorized Activity By Standard Industrial Classification Code:
2062 - CANE SUGAR REFINING



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Facility Level

- 1-1 6NYCRR 201-6.5(a)(7): Fees
- 1-2 6NYCRR 201-6.5(c): Recordkeeping and reporting of compliance monitoring
- 1-3 6NYCRR 201-6.5(c)(2): Monitoring, Related Recordkeeping, and Reporting Requirements.
- 24 6NYCRR 201-6.5(c)(3)(ii): Compliance Certification
- 25 6NYCRR 201-6.5(e): Compliance Certification
- 31 6NYCRR 202-2.1: Compliance Certification
- 32 6NYCRR 202-2.5: Recordkeeping requirements
- 1-5 6NYCRR 201-6.5(a)(4): Standard Requirement - Provide Information
- 1-6 6NYCRR 201-6.5(a)(8): General Condition - Right to Inspect
- 1-7 6NYCRR 201-6.5(d)(5): Standard Requirements - Progress Reports
- 1-4 6NYCRR 201-6.5(f)(6): Off Permit Changes
- 1-8 40CFR 68: Accidental release provisions.
- 23 6NYCRR 201-6: Emission Unit Definition
- 27 6NYCRR 201 6.5(g): Non Applicable requirements
- 35 6NYCRR 225-1.2(a): Compliance Certification
- 37 40CFR 60.4, NSPS Subpart A: EPA Region 2 address.

Emission Unit Level

- 39 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 40 6NYCRR 201-6: Process Definition By Emission Unit

EU=E-00001

- 43 6NYCRR 212.6(a): Compliance Certification
- 44 40CFR 60.4, NSPS Subpart A: Duplicate copies of all correspondence must be sent to the regional NYSDEC office.

EU=E-00001,Proc=00A

- 45 6NYCRR 212.9(d): Particulate emission rate based on process weight
- 46 6NYCRR 212.9(d): Compliance Certification

EU=E-00001,EP=00001,Proc=00B

- 47 6NYCRR 212.3(b): Compliance Certification

EU=E-00001,EP=00001,Proc=00C

- 48 6NYCRR 212.3(b): Compliance Certification

EU=E-00001,EP=00001,Proc=00D

- 49 6NYCRR 212.3(b): Compliance Certification

EU=E-00001,EP=00001,Proc=00E

- 50 6NYCRR 212.3(b): Compliance Certification

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



EU=E-00001,EP=00001,Proc=00F

51 6NYCRR 212.3(b): Compliance Certification

EU=E-00001,EP=00001,Proc=00G

52 6NYCRR 212.3(b): Compliance Certification

EU=E-00002

1-9 6NYCRR 227-2.4(b)(1): Compliance Certification

54 40CFR 60.4, NSPS Subpart A: Duplicate copies of all correspondence
must be sent to the regional NYSDEC office.

EU=E-00002,EP=00022

55 6NYCRR 227-2.6(c): Compliance Certification

EU=E-00002,EP=00022,Proc=C05,ES=00022

56 6NYCRR 227-2.4(f)(2)(ii): Compliance Certification

57 6NYCRR 227-2.4(f)(2)(ii): Compliance Certification

EU=E-00002,EP=00023

58 40CFR 60.42b(j), NSPS Subpart Db: Compliance Certification

EU=E-00002,EP=00023,Proc=C06

59 6NYCRR 227-2.4(e)(2)(i): Compliance Certification

60 6NYCRR 227-2.4(e)(2)(i): Compliance Certification

61 6NYCRR 227-2.6(c): Compliance Certification

62 40CFR 60.333, NSPS Subpart GG: Compliance Certification

EU=E-00002,EP=00023,Proc=C06,ES=00023

63 40CFR 60, NSPS Subpart GG: Compliance Certification

64 40CFR 60, NSPS Subpart GG: Compliance Certification

65 40CFR 60.334(a), NSPS Subpart GG: Compliance Certification

EU=E-00002,EP=00023,Proc=C07

66 6NYCRR 227-2.6(c): Compliance Certification

EU=E-00002,EP=00023,Proc=C07,ES=00023

67 6NYCRR 227-2.4(e)(2)(ii): Compliance Certification

68 6NYCRR 227-2.4(e)(2)(ii): Compliance Certification

69 40CFR 60.334(a), NSPS Subpart GG: Compliance Certification

EU=E-00002,EP=00023,Proc=C08

70 6NYCRR 227-2.4(e)(2)(i): Compliance Certification

71 6NYCRR 227-2.4(e)(2)(i): Compliance Certification

72 6NYCRR 227-2.6(c): Compliance Certification

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



- 73 40CFR 60, NSPS Subpart GG: Compliance Certification
- 74 40CFR 60.333, NSPS Subpart GG: Compliance Certification
- 75 40CFR 60.334(a), NSPS Subpart GG: Compliance Certification

EU=E-00002,EP=00023,Proc=C09

- 76 6NYCRR 227-2.4(e)(2)(ii): Compliance Certification
- 77 6NYCRR 227-2.4(e)(2)(ii): Compliance Certification
- 78 6NYCRR 227-2.6(c): Compliance Certification
- 79 40CFR 60.334(a), NSPS Subpart GG: Compliance Certification

EU=E-00002,EP=0021C

- 82 6NYCRR 227-2.6(c): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 1-10 ECL 19-0301: Contaminant List
- 83 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 1-11 6NYCRR 201-7: Facility Permissible Emissions
- *1-12 6NYCRR 201-7: Capping Monitoring Condition
- 87 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

- 1-13 6NYCRR 201-7: Emission Unit Permissible Emissions

EU=E-00002

- *1-14 6NYCRR 201-7: Capping Monitoring Condition

EU=E-00002,EP=0021C,Proc=C10,ES=0022C

- *1-15 6NYCRR 201-7: Capping Monitoring Condition

EU=E-00002,EP=0021C,Proc=C11,ES=0022C

- *1-16 6NYCRR 201-7: Capping Monitoring Condition

NOTE: * preceding the condition number indicates capping. Mod 0 Permit Effective Date:
02/11/2002 Permit Expiration Date: 02/11/2007

Mod 1 Permit Effective Date: 05/13/2005

Permit Expiration Date: 02/11/2007



FEDERALLY ENFORCEABLE CONDITIONS

**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: Sealing - 6NYCRR Part 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Item C: Maintenance of Equipment - 6NYCRR Part 200.7



Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Item D: Unpermitted Emission Sources - 6NYCRR Part 201-1.2

If an existing emission source was subject to the permitting requirements of 6NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: Emergency Defense - 6NYCRR Part 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the



Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

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

Item F: Recycling and Salvage - 6NYCRR Part 201-1.7

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6NYCRR Part 201-1.8

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Item H: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item I: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR Part 201-3.2(a)

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

- Item J: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)**
The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.
- Item K: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)**
Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.
- Item L: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**
Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- Item M: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit



renewal application.

Item N: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item O: Providing Information Upon Request - 6 NYCRR Part 201-6.5(a)(4)

The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

Item P: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR Part 201-6.5(a)(5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item Q: Property Rights - 6 NYCRR Part 201-6.5(a)(6)

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

Item R: Fees - 6 NYCRR Part 201-6.5(a)(7)

The owner and/or operator of a stationary source shall pay fees to the department consistent with the fee schedule authorized by 6 NYCRR Subpart 482-2.

Item S: Right to Inspect - 6 NYCRR Part 201-6.5(a)(8)

Upon presentation of credentials and other documents, as



may be required by law, the permittee shall allow the Department or an authorized representative to perform the following:

- i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- iii. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Item T: Severability - 6 NYCRR Part 201-6.5(a)(9)

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

Item U: Progress Reports and Compliance Schedules - 6 NYCRR Part 201-6.5(d)(5)

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. Such progress reports shall contain the following:

- i. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- ii. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive



or corrective measures adopted.

Item V: Off Permit Changes - 6 NYCRR Part 201-6.5(f)(6)

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the Administrator and the Department with written notification in advance of the proposed changes within a minimum of 7 days as required by 6 NYCRR §201-6.5(f)(6).

Item W: Permit Shield - 6 NYCRR Part 201-6.5(g)

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

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or



contributing to such pollution;

ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;

iii. The applicable requirements of Title IV of the Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item X: Reopening for Cause - 6 NYCRR Part 201-6.5(i)

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

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

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

Proceedings to reopen and issue Title V facility permits

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

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

Item Y: Required Emission Tests - 6 NYCRR Part 202-1.1

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6NYCRR Part 202-1.

Item Z: Visible Emissions Limited - 6 NYCRR Part 211.3

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Item AA: Open Fires - 6 NYCRR Part 215

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities.

Item BB: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to



the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

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

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

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT
TO ANNUAL CERTIFICATIONS AT ALL TIMES**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

Condition 1-1: Fees
Effective between the dates of 05/13/2005 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(7)

Item 1-1.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

Condition 1-2: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 05/13/2005 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(c)

Item 1-2.1:

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;



- (iii) The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 1-3: Monitoring, Related Recordkeeping, and Reporting Requirements.

Effective between the dates of 05/13/2005 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(2)

Item 1-3.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 24: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(c)(3)(ii)

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency of every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 30 days after the end of a reporting period. All instances of deviations from permit



requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

(1) For emissions of a hazardous air pollutant or a toxic air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If any of the above conditions are met, the source must notify the permitting authority by telephone or facsimile based on the timetable listed in paragraphs (1) through (4) of this section. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of the occurrence. All deviations reported under paragraph (1) through (4) of this section must also be

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



identified in the 6 month monitoring report required above.

If the permittee seeks to have a violation excused as provided in 201-1.4, the permittee shall report such violations as required under 201-1.4(b). However, in no case may reports of any deviation be on a less frequent basis than those described in paragraphs (1) through (4) above. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

In the case of any emission testing performed during the previous six month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).



Condition 25: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(e)

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions;
 - and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit, including emission limitations, standards, or work practices. That is, the provisions labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.
- iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Compliance Monitoring and Enforcement (BCME) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

21 South Putt Corners Road
New Paltz, NY 12561-1696

The address for the BCME is as follows:

NYSDEC
Bureau of Compliance Monitoring
and Enforcement
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2003.
Subsequent reports are due on the same day each year

Condition 31: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 202-2.1

Item 31.1:
The Compliance Certification activity will be performed for the Facility.

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



Item 31.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

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

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 32: Recordkeeping requirements

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 202-2.5

Item 32.1:

(a) The following records shall be maintained for at least five years:

(1) a copy of each emission statement submitted to the department; and

(2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

**MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT
TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE**

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period. [NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 1-5: Standard Requirement - Provide Information

Effective between the dates of 05/13/2005 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(4)

Item 1-5.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that



New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 1-6: General Condition - Right to Inspect

Effective between the dates of 05/13/2005 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(a)(8)

Item 1-6.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

- (i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- (ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and
- (iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 1-7: Standard Requirements - Progress Reports

Effective between the dates of 05/13/2005 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(d)(5)

Item 1-7.1:

Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

- (i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- (ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 1-4: Off Permit Changes

Effective between the dates of 05/13/2005 and 02/11/2007

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



Applicable Federal Requirement: 6NYCRR 201-6.5(f)(6)

Item 1-4.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 1-8: Accidental release provisions.

Effective between the dates of 05/13/2005 and 02/11/2007

Applicable Federal Requirement: 40CFR 68

Item 1-8.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;

b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:

1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,

2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785



FEDERAL APPLICABLE REQUIREMENTS

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 23: Emission Unit Definition
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 201-6

Item 23.1(From Mod 1):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: E-00002

Emission Unit Description:

This emission comprises one boiler (# 3) rated at 165 mmbtu/hr, one cogeneration unit (gas turbine with a duct burner) rated at 167.5 mmbtu/hr, and a new boiler No. 5. rated at 214 mmbtu/hr. The new boiler is replacing a 22.5 mmbtu/hr diesel generator for which this modification is created.

Building(s): 4
4C
5A

Item 23.2(From Mod 0):

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: E-00001

Emission Unit Description:

PROCESS SOURCES INCLUDING DRYERS,
GRANULATORS, CONVEYING AND STORAGE SYSTEMS,
AND OTHER MISCELLANEOUS SOURCES.

Building(s): 10
11B
11-C&D
12
12E
12G
14A
9
ADJ-12G

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



YARD

Condition 27: Non Applicable requirements

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 201-6.5(g)

Item 27.1:

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

40CFR 60-Db.44b(k)

Emission Unit: E00002 Emission Point: 00023

Reason: Refined Sugars, Inc., is combusting fuel that meets the definition of low nitrogen fuel. Facilities that combust, alone or in combination, only natural gas or distillate oil with nitrogen content of 0.30 weight percent or less, ARE NOT subject to the nitrogen oxides emissions limitations of 0.2 lbs/mmBTU, under this section.

Condition 35: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 225-1.2(a)

Item 35.1:

The Compliance Certification activity will be performed for the Facility.

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

No person shall sell, purchase, or use oil whose sulfur
content is greater than 0.37% by weight.

Parameter Monitored: SULFUR 35

Upper Permit Limit: 0.37 percent by weight

Monitoring Frequency: PER DELIVERY

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY
TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 37: EPA Region 2 address.

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 37.1:

All requests, reports, applications, submittals, and other communications to the Administrator pursuant to this part shall be submitted in duplicate to the following address:

Director, Division of Enforcement and Compliance Assistance
USEPA Region 2
290 Broadway, 21st Floor
New York, NY 10007-1886

Copies of all correspondence to the administrator pursuant to this part shall also be submitted to the NYSDEC Regional Office issuing this permit (see address at the beginning of this permit) and to the following address:

NYSDEC
Bureau of Enforcement and Compliance Assurance
625 Broadway
Albany, NY 12233-3258

****** Emission Unit Level ******

Condition 39: Emission Point Definition By Emission Unit
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 201-6

Item 39.1(From Mod 1):

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-00002

Emission Point: 00023

Height (ft.): 70	Diameter (in.): 46	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 5A

Emission Point: 0021C

Height (ft.): 150	Diameter (in.): 120	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 4

Item 39.2(From Mod 0):

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-00001

Emission Point: 00001

Height (ft.): 37 Diameter (in.): 23
NYTMN (km.): 4531.35 NYTME (km.): 592.2 Building: 10

Emission Point: 00003

Height (ft.): 48 Diameter (in.): 36
NYTMN (km.): 4531.35 NYTME (km.): 592.2 Building: 10

Emission Point: 00004

Height (ft.): 8 Diameter (in.): 24
NYTMN (km.): 4531.35 NYTME (km.): 592.2 Building: 11B

Emission Point: 00006

Height (ft.): 80 Diameter (in.): 36
NYTMN (km.): 4531.35 NYTME (km.): 592.2 Building: 9

Emission Point: 00007

Height (ft.): 61 Diameter (in.): 6
NYTMN (km.): 4531.35 NYTME (km.): 592.2 Building: 12E

Emission Point: 00008

Height (ft.): 44 Diameter (in.): 7
NYTMN (km.): 4531.35 NYTME (km.): 592.2 Building: 14A

Emission Point: 00009

Height (ft.): 26 Diameter (in.): 6
NYTMN (km.): 4531.35 NYTME (km.): 592.2 Building: 14A

Emission Point: 00011

Height (ft.): 100 Diameter (in.): 20
NYTMN (km.): 4530.223 NYTME (km.): 592.033

Emission Point: 00012

Height (ft.): 142 Diameter (in.): 12
NYTMN (km.): 4531.35 NYTME (km.): 592.2 Building: 9

Emission Point: 00014

Height (ft.): 76 Diameter (in.): 29
NYTMN (km.): 4531.35 NYTME (km.): 592.2 Building: 11-C&D

Emission Point: 00015

Height (ft.): 12 Diameter (in.): 20
NYTMN (km.): 4531.35 NYTME (km.): 592.2 Building: YARD

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



Emission Point: 00016			
Height (ft.): 44	Diameter (in.): 7		
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 14A	
Emission Point: 00017			
Height (ft.): 26	Diameter (in.): 6		
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 14A	
Emission Point: 00018			
Height (ft.): 12	Diameter (in.): 20		
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: YARD	
Emission Point: 00019			
Height (ft.): 12	Diameter (in.): 20		
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: YARD	
Emission Point: 00020			
Height (ft.): 40	Diameter (in.): 27		
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 10	
Emission Point: 00021			
Height (ft.): 150	Diameter (in.): 120		
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 12	
Emission Point: 00024			
Height (ft.): 69	Length (in.): 11	Width (in.): 5	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 12G	
Emission Point: 00025			
Height (ft.): 5	Length (in.): 11	Width (in.): 5	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: ADJ-12G	
Emission Point: 00026			
Height (ft.): 102	Length (in.): 11	Width (in.): 5	
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 9	
Emission Point: 00027			
Height (ft.): 116	Diameter (in.): 6		
NYTMN (km.): 4531.35	NYTME (km.): 592.2	Building: 9	

Item 39.3(From Mod 0):

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: E-00002

Emission Point: 00022 Removal Date: 12/30/2004

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



Height (ft.): 25

Diameter (in.): 20

NYTMN (km.): 4531.35

NYTME (km.): 592.2

Building: 4C

Condition 40: Process Definition By Emission Unit

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 201-6

Item 40.1(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00002

Process: C01

Source Classification Code: 1-01-006-01

Process Description:

BOILER #3 USING NATURAL GAS.

It will be included in emission unit E00003 when it will start operating.

Emission Source/Control: 0021C - Combustion

Design Capacity: 165.5 million Btu per hour

Item 40.2(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00002

Process: C02

Source Classification Code: 1-01-005-01

Process Description:

BOILER #3 USING NO. 2 FUEL OIL.

It will be included in emission unit E00003 when it will start operating

Emission Source/Control: 0021C - Combustion

Design Capacity: 165.5 million Btu per hour

Item 40.3(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00002

Process: C05

Source Classification Code: 2-02-001-02

Process Description:

POWERHOUSE DIESEL GENERATOR BURNING NO. 2

FUEL OIL.

It will retire when emission unit E00003 starts operating.

Emission Source/Control: 00022 - Combustion

Design Capacity: 22.96 million Btu per hour

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Item 40.4(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00002
Process: C06 Source Classification Code: 2-02-002-03
Process Description:
GAS TURBINE / COGENERATION UNIT BURNING
NATURAL GAS.
It will be included in emission unit E00003
when it will start operating

Emission Source/Control: 00023 - Combustion
Design Capacity: 167 million Btu per hour

Item 40.5(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00002
Process: C07 Source Classification Code: 2-02-001-03
Process Description:
GAS TURBINE / COGENERATION UNIT BURNING
NO. 2 FUEL OIL.
It will be included in emission unit E00003
when it will start operating

Emission Source/Control: 00023 - Combustion
Design Capacity: 167 million Btu per hour

Item 40.6(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00002
Process: C08 Source Classification Code: 2-01-002-01
Process Description:
Existing gas turbine burning natural gas WITHOUT its duct
burner.
It will be included in emission unit E00003 when it will
start operating.

Emission Source/Control: 00023 - Combustion
Design Capacity: 167 million Btu per hour

Item 40.7(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00002

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



Process: C09

Source Classification Code: 2-02-001-03

Process Description:

Existing gas turbine burning No.2 oil WITHOUT its associated duct burner.

It will be included in emission unit E00003 when it will start operating.

Emission Source/Control: 00023 - Combustion

Design Capacity: 167 million Btu per hour

Item 40.8(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00002

Process: C10

Source Classification Code: 1-01-006-01

Process Description: Boiler #5 burning natural gas.

Emission Source/Control: 0022C - Combustion

Design Capacity: 214 million Btu per hour

Item 40.9(From Mod 1):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00002

Process: C11

Source Classification Code: 1-01-006-01

Process Description: Boiler #5 burning No. 2 oil.

Emission Source/Control: 0022C - Combustion

Design Capacity: 214 million Btu per hour

Item 40.10(From Mod 0):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00001

Process: 00A

Source Classification Code: 3-02-007-70

Process Description:

AIR COOLING AND HOT AIR DRYING OF
GRANULATED SUGAR. THE REGULATORY
REQUIREMENT CITED BY PART 212.9 (D) OF 0.03
GRAINS/DSCF IS MET.

Emission Source/Control: 00001 - Process

Emission Source/Control: 00003 - Process

Emission Source/Control: 00020 - Process

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



Item 40.11(From Mod 0):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00001

Process: 00B

Source Classification Code: 3-02-015-99

Process Description:

EXHAUSTING, CONVEYING AND STORAGE SYSTEM.
THE REGULATORY REQUIREMENT CITED BY PART
212.3 (B) OF 0.15 GRAINS/DSCF IS MET.

Emission Source/Control: 00004 - Process

Emission Source/Control: 00014 - Process

Item 40.12(From Mod 0):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00001

Process: 00C

Source Classification Code: 3-05-027-40

Process Description:

CLASSIFYING OF REVIVIFIED BONE CHAR. THE
REGULATORY REQUIREMENT CITED BY PART 212.3
(B) OF 0.15 GRAINS/DSCF IS MET.

Emission Source/Control: 00006 - Process

Item 40.13(From Mod 0):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00001

Process: 00D

Source Classification Code: 3-02-015-99

Process Description:

VACUUM SYSTEM TO RECOVER GRANULATED SUGAR.
THE REGULATORY REQUIREMENT CITED BY PART
212.3 (B) OF 0.15 GRAINS/DSCF IS MET.

Emission Source/Control: 00021 - Process

Item 40.14(From Mod 0):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00001

Process: 00E

Source Classification Code: 3-02-015-99

Process Description:

CONVEYING AND STORAGE SYSTEM. THE
REGULATORY REQUIREMENT CITED BY PART 212.3
(B) OF 0.15 GRAINS/DSCF IS MET.

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Emission Source/Control: 00024 - Process

Emission Source/Control: 00025 - Process

Emission Source/Control: 00026 - Process

Emission Source/Control: 00027 - Process

Item 40.15(From Mod 0):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00001

Process: 00F

Source Classification Code: 3-02-015-99

Process Description:

CONVEYING AND STORAGE SYSTEM. THE
REGULATORY REQUIREMENT CITED BY PART 212.3
(B) OF 0.15 GRAINS/DSCF IS MET.

Emission Source/Control: 00007 - Process

Emission Source/Control: 00008 - Process

Emission Source/Control: 00009 - Process

Emission Source/Control: 00012 - Process

Emission Source/Control: 00016 - Process

Emission Source/Control: 00017 - Process

Item 40.16(From Mod 0):

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: E-00001

Process: 00G

Source Classification Code: 3-02-015-99

Process Description:

BULK TRAILOR MANHOLE EXHAUST AT GRANULATED
SUGAR LOADING SPOT. THE REGULATORY
REQUIREMENT CITED BY PART 212.3 (B) OF 0.15
GRAINS/DSCF IS MET.

Emission Source/Control: 00015 - Process

Emission Source/Control: 00018 - Process

Emission Source/Control: 00019 - Process

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



Condition 43: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 212.6(a)

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00001

Item 43.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance with this requirement shall be determined by the facility owner/operator conducting a daily survey of visible emissions from the entire facility. If any visible emissions are identified, corrective action is required as per the attached maintenance procedures. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 44: Duplicate copies of all correspondence must be sent to the regional NYSDEC office.

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 44.1:

This Condition applies to Emission Unit: E-00001

Item 44.2:

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



All requests, reports, applications, submittals, and other communications to the administrator pursuant to this part shall be submitted in duplicate to the regional NYSDEC office issuing this permit.

Condition 45: Particulate emission rate based on process weight
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 212.9(d)

Item 45.1:

This Condition applies to Emission Unit: E-00001
Process: 00A

Item 45.2:

Processes subject to this provision must not emit permissible particulate emissions in excess of the limits shown in Table 4 of 6NYCRR Part 212.9(d) for the appropriate process weight of the process regulated.

Condition 46: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 212.9(d)

Item 46.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00001
Process: 00A

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 46.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The set limit based on permissible emission rates based on process weight. The process is described as "continuous process material dryers emitting solid particulates and water only".

Parameter Monitored: PARTICULATES
Upper Permit Limit: 0.03 grains per dscf
Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 47: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 212.3(b)

Item 47.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00001 Emission Point: 00001
Process: 00B

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than
0.150 grains of particulates per cubic foot of exhaust
gas, expressed at standard conditions on a dry gas basis.
Compliance testing will be conducted at the discretion of
the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.15 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 48: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 212.3(b)

Item 48.1:

The Compliance Certification activity will be performed for:

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



Emission Unit: E-00001 Emission Point: 00001
Process: 00C

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than
0.150 grains of particulates per cubic foot of exhaust
gas, expressed at standard conditions on a dry gas basis.
Compliance testing will be conducted at the discretion of
the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.15 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 49: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 212.3(b)

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00001 Emission Point: 00001
Process: 00D

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 49.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.150 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.15 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 50: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 212.3(b)

Item 50.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00001 Emission Point: 00001

Process: 00E

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 50.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.150 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.15 grains per dscf



New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 51: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 212.3(b)

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00001 Emission Point: 00001

Process: 00F

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than
0.150 grains of particulates per cubic foot of exhaust
gas, expressed at standard conditions on a dry gas basis.
Compliance testing will be conducted at the discretion of
the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.15 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Condition 52: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 212.3(b)

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00001 Emission Point: 00001
Process: 00G

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than
0.150 grains of particulates per cubic foot of exhaust
gas, expressed at standard conditions on a dry gas basis.
Compliance testing will be conducted at the discretion of
the Department.

Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.15 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST
METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 1-9: Compliance Certification
Effective between the dates of 05/13/2005 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(b)(1)

Item 1-9.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 1-9.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

NOx emission limits for large boilers, where compliance with the specific emission limit is verified through stack testing.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 0.3 pounds per million Btus

Reference Test Method: method 7

Monitoring Frequency: ONCE DURING THE TERM OF THE PERMIT

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

Subsequent reports are due every 6 calendar month(s).

Condition 54: Duplicate copies of all correspondence must be sent to the regional NYSDEC office.

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 40CFR 60.4, NSPS Subpart A

Item 54.1:

This Condition applies to Emission Unit: E-00002

Item 54.2:

All requests, reports, applications, submittals, and other communications to the administrator pursuant to this part shall be submitted in duplicate to the regional NYSDEC office issuing this permit.

Condition 55: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.6(c)

Item 55.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00022

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN



Item 55.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner or operator of an internal combustion engine, when required to stack test under subdivision (a) of this section shall:

(1) Submit a compliance test protocol to the department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

(2) Utilize procedures set forth in 40CFR 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this subpart, and shall follow the procedures set forth in part 202 of this Title.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 9 grams per brake horsepower-hour

Reference Test Method: Approved Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 56: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)(ii)

Item 56.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00022
Process: C05 Emission Source: 00022

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 56.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

NOx emissions resulting from the operation of the diesel engine cannot exceed the upper limit amount stated below. This limit which is a function of the source's rating, the regulatory limit and the efficiency of the source was calculated as follows:

Diesel Engine's heat rating: 22.96 mmBTU/hr
NOx regulatory limitation: 9 grams/
BHP*hr
Conversion factor: 1 BTU = 3.929 *
10⁽⁻⁴⁾ HP*hr
Diesel Engine's Efficiency: 60
%

Convert engine's rating to HP:
 $22.96 \text{ (mmBTU/hr)} * 3.929 * 10^{(-4)} \text{ (HP*hr/BTU)} = 9021 \text{ HP}$

Convert HP to BHP:
 $9021 \text{ HP} * 0.6 = 5412.6 \text{ BHP}$

Calculate NOx emission:
 $5412.6 \text{ BHP} * 9 \text{ grams/BHP*hr} = 48,713.4 \text{ grams/hr}$

Convert to lbs /hr:
 $48,713.4 \text{ (grams/hr)} / 453.53 \text{ (lbs/grams)} = 107.4 \text{ lbs/}$
hour.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 107.41 pounds per hour
Reference Test Method: Approved Method
Monitoring Frequency: MONTHLY
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 57: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(f)(2)(ii)

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



Item 57.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00022
Process: C05 Emission Source: 00022

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 57.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Effective 5/31/95 any owner of stationary internal
combustion lean burn engine of 225 HP or larger in the
severe non-attainment area which provides primary power or
is used for peak shaving generation, must comply with the
following emission limit:

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 9 grams per brake horsepower-hour
Reference Test Method: Approved Method
Monitoring Frequency: MONTHLY
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 58: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 40CFR 60.42b(j), NSPS Subpart Db

Item 58.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 58.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Percent reduction requirements ARE NOT applicable to affected facilities combusting only very low sulfur oil. The owner or operator of an affected facility combusting very low sulfur oil shall demonstrate that the oil combusted during the reporting period, meets the definition of very low sulfur oil by maintaining receipts as described in 60.49b(r).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 59: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(e)(2)(i)

Item 59.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C06

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 59.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

NOx emissions resulting from the operation of the co-gen when it is operated on natural gas cannot exceed the upper limit amount stated below. This limit which is a function of the source's rating and the regulatory limit was calculated according to Method 19 as follows:

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Co-gen Rating: 167
mmBTU/hr
NOx regulatory limitation: 42 ppmvd
at 15% Oxygen
Conversion factor: 1
ppm of NOx = 1.194×10^{-7} lb/scf

Equation used: $E =$
 $Cd * Fd * [20.9 / (20.9 - 15)]$, where : E
= Emission in lbs/mmBTU

$Cd =$
NOx concentration (mass) in lb/scf

$Fd =$
fuel factor (scf/mmBTU)

Then:
 $Cd = 42$ ppmvd at 15%Oxygen
 $Fd = 8710$ scf/mmBTU for natural gas

$E = 42 * 1.194 \times 10^{-7} \text{ lb/scf} * 8710$
 $\text{scf/mmBTU} * [20.9 / (20.9 - 15)] = 0.1547$
lb/mmBTU

Short term limit: $167 \text{ mmBTU/hr} * 0.1547$
lb/mmBTU = 25.84 lb/hr

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 25.84 pounds per hour
Monitoring Frequency: MONTHLY
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 60: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(e)(2)(i)

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



Item 60.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C06

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 60.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Combined cycle combustion units with maximum heat input
rates of 10 mmBTU/hr or greater must comply with the
following limit:

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 42 parts per million by volume (dry,
corrected to 15% O2)

Monitoring Frequency: MONTHLY

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 61: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.6(c)

Item 61.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C06

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 61.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



Monitoring Description:

The owner /operator of a combined cycle turbine, burning natural gas, when required to stack test under subdivision (a) of this section shall:

(1) Submit a compliance test protocol to the department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

(2) Utilize procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this subpart, and shall follow the procedures set forth in part 202 of this Title.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 42 parts per million by volume (dry, corrected to 15% O2)

Reference Test Method: Approved Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 62: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 40CFR 60.333, NSPS Subpart GG

Item 62.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C06

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 62.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

No owner or operator subject to the provisions of this subpart shall burn in any stationary gas turbine any fuel which contains sulfur in excess of 0.8 percent by weight. The owner shall maintain records which shall indicate that the facility is in compliance with this limitation.

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.8 percent by weight

Reference Test Method: ASTM Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 63: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 40CFR 60, NSPS Subpart GG

Item 63.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C06 Emission Source: 00023

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 63.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Waiver of monitoring of fuel sulfur while the source operates on natural gas.

Monitoring of fuel sulfur will be conducted as per April 24, 1997 custom fuel monitoring schedule granted by EPA which is as follows:



A. Analysis for the fuel sulfur content of natural gas shall be conducted using one of the approved ASTM reference methods for the measurement of sulfur in gaseous fuels, or an approved alternative method. These reference methods are located in 40 CFR 60.335 (d).

B. Effective the date of this custom schedule (4/24/97), sulfur monitoring shall be conducted twice monthly for a period of six months. If this monitoring shows little variability in the fuel sulfur content and indicates consistent compliance with 40CFR 60.333, then fuel sulfur content shall be monitored quarterly for the next six quarters.

C. Upon completion of the six quarter monitoring period in item B, if the fuel sulfur content monitoring results show little variability and consistent compliance with 40 CFR 60.333, then fuel sulfur content shall be monitored semiannually. This semiannual monitoring shall be conducted during the first and third quarters of each calendar year.

D. Should any fuel sulfur monitoring, as required by item B and C above, indicate noncompliance with 40 CFR 60.333, the owner or operator shall notify EPA and the New York State Department of Environmental Conservation (NYSDEC) within 15 calendar days of the occurrence(s). Fuel sulfur content monitoring shall be conducted weekly during the interim period while the custom schedule is being reexamined by EPA.

E. Records of sample analysis and fuel pertinent to this custom fuel monitoring schedule shall be retained for a period of three (3) years, and be available for inspection by personnel of federal, state and local air pollution control agencies.

Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.8 percent by weight
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 64: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 40CFR 60, NSPS Subpart GG

Item 64.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C06 Emission Source: 00023

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 64.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Waiver of monitoring of fuel nitrogen while the source
operates on natural gas:

Monitoring of fuel nitrogen will be conducted as per April
24, 1997 custom fuel monitoring schedule granted by EPA
which is as follows:

Monitoring of fuel nitrogen shall not be required while
natural gas is the only fuel fired in the gas turbine.
Records of sample analysis and fuel supply pertinent to
this custom fuel monitoring schedule shall be retained for
a period of three (3) years and be available for
inspection by personnel of federal, state and local air
pollution control agencies.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 65: Compliance Certification

Air Pollution Control Permit Conditions

Mod 1/Active

Page 50 of 77 FINAL

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 40CFR 60.334(a), NSPS Subpart GG

Item 65.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C06 Emission Source: 00023

Item 65.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any stationary gas turbine subject to the provisions of 40 CFR60 subpart GG that is using water injection to control NOx emissions shall install and operate a continuous monitoring system to monitor and record fuel consumption and the ratio of water to fuel in the turbine. This system shall be accurate to within +/- 5% and shall be approved by the administrator.

The facility is not currently monitoring the water to fuel ratio. The facility, unless it is granted a waiver from this requirement by EPA, must establish the water to fuel ratio range and begin monitoring within 180 days of the issuance date of this permit.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 66: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.6(c)

Item 66.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C07

Regulated Contaminant(s):

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 66.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner /operator of a combined cycle turbine, burning No. 2 oil, when required to stack test under subdivision (a) of this section shall:

(1) Submit a compliance test protocol to the department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

(2) Utilize procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this subpart, and shall follow the procedures set forth in part 202 of this Title.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 65 parts per million by volume (dry, corrected to 15% O₂)

Reference Test Method: Approved Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 67: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(e)(2)(ii)

Item 67.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023

Process: C07 Emission Source: 00023

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 67.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

NOx emissions resulting from the operation of the co-gen when it is operated on oil cannot exceed the upper limit amount stated below. This limit which is a function of the source's rating and the regulatory limit was calculated according to Method 19 as follows:

Co-gen Rating:

167 mmBTU/hr

NOx regulatory limitation: 65

ppmvd at 15% Oxygen

Conversion factor: 1

ppm of NOx = $1.194 \times 10^{(-7)}$ lb/scf

Equation used: $E =$

$Cd * Fd * [20.9 / (20.9 - 15)]$, where : E

= Emission in lbs/mmBTU

$Cd =$

NOx concentration (mass) in lb/scf

$Fd =$

fuel factor (scf/mmBTU)

Then:

$Cd = 65$ ppmvd at 15% Oxygen

$Fd = 9190$ scf/mmBTU for No.2 oil.

$E = 65 * 1.194 \times 10^{(-7)} \text{ lb/scf} * 9190$
 $\text{scf/mmBTU} * [20.9 / (20.9 - 15)] = 0.2527$
lb/mmBTU

Short term limit: $167 \text{ mmBTU/hr} * 0.2527$

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



lb/mmBTU = 42.2 lb/hr

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 42.2 pounds per hour
Monitoring Frequency: MONTHLY
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 68: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(e)(2)(ii)

Item 68.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C07 Emission Source: 00023

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 68.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Combined cycle turbines with maximum heat input rates of 10 mmBTU/hr or greater must comply with the limit stated below. For units with a duct burner compliance will be based on the combination of the turbine and the duct burner when both fire, and the turbine alone when not duct firing.
Compliance with these emission limits shall be determined with a one hour average in accordance with the section 227-2.6 (a) (6).

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 65 parts per million by volume (dry,
corrected to 15% O₂)
Monitoring Frequency: MONTHLY



New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 69: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 40CFR 60.334(a), NSPS Subpart GG

Item 69.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002

Emission Point: 00023

Process: C07

Emission Source: 00023

Item 69.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any stationary gas turbine subject to the provisions of 40 CFR60 subpart GG that is using water injection to control NOx emissions shall install and operate a continuous monitoring system to monitor and record fuel consumption and the ratio of water to fuel in the turbine. This system shall be accurate to within +/- 5% and shall be approved by the administrator.

The facility is not currently monitoring the water to fuel ratio. The facility, unless it is granted a waiver from this requirement by EPA, must establish the water to fuel ratio range and begin monitoring within 180 days of the issuance date of this permit.

Monitoring Frequency: DAILY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2002.

Subsequent reports are due every 6 calendar month(s).

Condition 70: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(e)(2)(i)

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Item 70.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C08

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 70.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

NOx emissions resulting from the
operation of the turbine when it is
operated on natural gas cannot exceed
the upper limit amount stated below. This
limit which is a function of the source's
rating and the regulatory limit was
calculated according to Method 19 as
follows:

Turbine Rating: 58
mmBTU/hr
NOx regulatory limitation: 42 ppmvd
at 15% Oxygen
Conversion factor: 1
ppm of NOx = $1.194 \times 10^{(-7)} \text{ lb/scf}$

Equation used: $E =$
 $C_d * F_d * [20.9 / (20.9 - 15)]$, where :
E = Emission in lbs/mmBTU

$C_d =$
NOx concentration (mass) in lb/scf

$F_d =$
fuel factor (scf/mmBTU)

Then:
 $C_d = 42 \text{ ppmvd at 15\%Oxygen}$
 $F_d = 8710 \text{ scf/mmBTU for natural gas}$

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



$$E = 42 * 1.194 * 10^{(-7)} \text{ lb/scf} * 8710 \\ \text{scf/mmBTU} * [20.9 / (20.9 - 15)] = 0.1547 \\ \text{lb/mmBTU}$$

$$\text{Short term limit: } 58 \text{ mmBTU/hr} * 0.1547 \\ \text{lb/mmBTU} = 8.97 \text{ lb/hr}$$

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 8.97 pounds per hour
Monitoring Frequency: MONTHLY
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 71: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(e)(2)(i)

Item 71.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C08

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 71.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Combined cycle combustion units with maximum heat input
rates of 10 mmBTU/hr or greater must comply with the
following limit:

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 42 parts per million by volume (dry,
corrected to 15% O₂)
Monitoring Frequency: MONTHLY

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2003.
Subsequent reports are due every 12 calendar month(s).

Condition 72: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.6(c)

Item 72.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C08

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 72.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner /operator of a combined cycle turbine, burning natural gas, when required to stack test under subdivision (a) of this section shall:

(1) Submit a compliance test protocol to the department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

(2) Utilize procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this subpart, and shall follow the procedures set forth in part 202 of this Title.

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 42 parts per million by volume (dry, corrected to 15% O2)
Reference Test Method: Approved Method
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



DESCRIPTION
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 73: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 40CFR 60, NSPS Subpart GG

Item 73.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C08

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 73.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

Waiver of monitoring of fuel nitrogen while the source
operates on natural gas:

Monitoring of fuel nitrogen will be conducted as per April
24, 1997 custom fuel monitoring schedule granted by EPA
which is as follows:

Monitoring of fuel nitrogen shall not be required while
natural gas is the only fuel fired in the gas turbine.
Records of sample analysis and fuel supply pertinent to
this custom fuel monitoring schedule shall be retained for
a period of three (3) years and be available for
inspection by personnel of federal, state and local air
pollution control agencies.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Condition 74: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 40CFR 60.333, NSPS Subpart GG

Item 74.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C08

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 74.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Waiver of monitoring of fuel sulfur while the source
operates on natural gas.

Monitoring of fuel sulfur will be conducted as per April
24, 1997 custom fuel monitoring schedule granted by EPA
which is as follows:

A. Analysis for the fuel sulfur content
of natural gas shall be conducted using one of the
approved ASTM reference methods for the measurement of
sulfur in gaseous fuels, or an approved alternative
method. These reference methods are located in 40 CFR
60.335 (d).

B. Effective the date of this custom
schedule (4/24/97), sulfur monitoring shall be conducted
twice monthly for a period of six months. If this
monitoring shows little variability in the fuel sulfur
content and indicates consistent compliance with 40CFR
60.333, then fuel sulfur content shall be monitored
quarterly for the next six quarters.

C. Upon completion of the six quarter
monitoring period in item B, if the fuel sulfur content
monitoring results show little variability and consistent
compliance with 40 CFR 60.333, then fuel sulfur content
shall be monitored semiannually. This semiannual

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



monitoring shall be conducted during the first and third quarters of each calendar year.

D. Should any fuel sulfur monitoring, as required by item B and C above, indicate noncompliance with 40 CFR 60.333, the owner or operator shall notify EPA and the New York State Department of Environmental Conservation (NYSDEC) within 15 calendar days of the occurrence(s). Fuel sulfur content monitoring shall be conducted weekly during the interim period while the custom schedule is being reexamined by EPA.

E. Records of sample analysis and fuel pertinent to this custom fuel monitoring schedule shall be retained for a period of three (3) years, and be available for inspection by personnel of federal, state and local air pollution control agencies.

Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.8 percent by weight
Monitoring Frequency: SEMI-ANNUALLY
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 75: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 40CFR 60.334(a), NSPS Subpart GG

Item 75.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C08

Item 75.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:

The owner or operator of any stationary gas turbine subject to the provisions of 40 CFR60 subpart GG that is using water injection to control NOx emissions shall install and operate a continuous monitoring system to monitor and record fuel consumption and the ratio of water to fuel in the turbine. This system shall be accurate to

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



within +/- 5% and shall be approved by the administrator.

The facility is not currently monitoring the water to fuel ratio. The facility, unless it is granted a waiver from this requirement by EPA, must establish the water to fuel ratio range and begin monitoring within 180 days of the issuance date of this permit.

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 76: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(e)(2)(ii)

Item 76.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C09

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 76.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

NOx emissions resulting from the operation of the turbine when it is operated on oil cannot exceed the upper limit amount stated below. This limit which is a function of the source's rating and the regulatory limit was calculated according to Method 19 as follows:

Turbine Rating:
58 mmBTU/hr
NOx regulatory limitation: 65 ppmvd
at 15% Oxygen

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



Conversion factor: 1
ppm of NO_x = 1.194×10^{-7} lb/scf

Equation used: $E = Cd * Fd * [20.9 / (20.9 - 15)]$, where : E
= Emission in lbs/mmBTU

Cd =
NO_x concentration (mass) in lb/scf

Fd =
fuel factor (scf/mmBTU)

Then:
Cd = 65 ppmvd at 15%Oxygen
Fd = 9190 scf/mmBTU for No. 2 oil.

$E = 65 * 1.194 \times 10^{-7} \text{ lb/scf} * 9190$
 $\text{scf/mmBTU} * [20.9 / (20.9 - 15)] = 0.2527$
lb/mmBTU

Short term limit: 58 mmBTU/hr * 0.2527
lb/mmBTU = 14.7 lb/hr

Parameter Monitored: OXIDES OF NITROGEN
Upper Permit Limit: 14.7 pounds per hour
Monitoring Frequency: MONTHLY
Averaging Method: 1-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 77: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.4(e)(2)(ii)

Item 77.1:
The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023



New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Process: C09

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 77.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Combined cycle turbines with maximum heat input rates of 10 mmBTU/hr or greater must comply with the limit stated below. For units with a duct burner compliance will be based on the combination of the turbine and the duct burner when both fire, and the turbine alone when not duct firing.

Compliance with these emission limits shall be determined with a one hour average in accordance with the section 227-2.6 (a) (6).

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 65 parts per million by volume (dry,
corrected to 15% O2)

Monitoring Frequency: MONTHLY

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2003.

Subsequent reports are due every 12 calendar month(s).

Condition 78: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.6(c)

Item 78.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023

Process: C09

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 78.2:

Compliance Certification shall include the following monitoring:

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner /operator of a combined cycle turbine, burning No. 2 oil, when required to stack test under subdivision (a) of this section shall:

(1) Submit a compliance test protocol to the department for approval at least 90 days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

(2) Utilize procedures set forth in 40 CFR part 60, Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this subpart, and shall follow the procedures set forth in part 202 of this Title.

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 65 parts per million by volume (dry, corrected to 15% O2)

Reference Test Method: Approved Method

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 1-HOUR AVERAGE

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 79: Compliance Certification

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 40CFR 60.334(a), NSPS Subpart GG

Item 79.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 00023
Process: C09

Item 79.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator of any stationary gas turbine subject to the provisions of 40 CFR60 subpart GG that is

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



using water injection to control NOx emissions shall install and operate a continuous monitoring system to monitor and record fuel consumption and the ratio of water to fuel in the turbine. This system shall be accurate to within +/- 5% and shall be approved by the administrator.

The facility is not currently monitoring the water to fuel ratio. The facility, unless it is granted a waiver from this requirement by EPA, must establish the water to fuel ratio range and begin monitoring within 180 days of the issuance date of this permit.

Monitoring Frequency: DAILY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2002.
Subsequent reports are due every 6 calendar month(s).

Condition 82: Compliance Certification
Effective between the dates of 02/11/2002 and 02/11/2007

Applicable Federal Requirement: 6NYCRR 227-2.6(c)

Item 82.1:

The Compliance Certification activity will be performed for:

Emission Unit: E-00002 Emission Point: 0021C

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 82.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

The owner /operator of Large and Mid-size boilers (100 to 250 mmBTU/hr), when required to stack test under subdivision (a) of this section shall:

(1) submit a compliance test protocol for approval at least 90- days prior to emission testing. The conditions of the testing and the locations of the sampling devices must be acceptable to the department; and

(2) Utilize procedures set forth in 40 CFR 60,

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Appendix A or any other method acceptable to the department and EPA for determining compliance with the appropriate NOx limit in section 227-2.4 of this subpart, and shall follow the procedures set forth in part 202 of this title.

Upper Permit Limit: 0.30 pounds per million Btus
Reference Test Method: Approved Method
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY



STATE ONLY ENFORCEABLE CONDITIONS

**** Facility Level ****

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

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

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

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

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

Condition 1-10: Contaminant List

Effective between the dates of 05/13/2005 and 02/11/2007

Applicable State Requirement: ECL 19-0301

Item 1-10.1:



New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN

CAS No: 0NY075-00-0

Name: PARTICULATES

CAS No: 007446-09-5

Name: SULFUR DIOXIDE

Condition 83: Unavoidable noncompliance and violations

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable State Requirement: 6NYCRR 201-1.4

Item 83.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

- (a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.
- (b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.
- (c) The Department may also require the owner and/or operator to include in reports described

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 1-11: Facility Permissible Emissions

Effective between the dates of 05/13/2005 and 02/11/2007

Applicable State Requirement: 6NYCRR 201-7

Item 1-11.1:

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 00NY210-00-0 (From Mod 1) PTE: 552,000 pounds per year
Name: OXIDES OF NITROGEN

Condition 1-12: Capping Monitoring Condition

Effective between the dates of 05/13/2005 and 02/11/2007

Applicable State Requirement: 6NYCRR 201-7

Item 1-12.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2
40CFR 52-A.21

Item 1-12.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 1-12.3:

The owner or operator of the permitted facility must maintain all required records on-site for a period of

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 1-12.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-12.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-12.6:

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 1-12.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

Facility wide NOx emissions CAP is set at 277 tons/year.

Manufacturer Name/Model Number: N/A

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 277 tons per year

Reference Test Method: fuel records

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

Subsequent reports are due every 6 calendar month(s).

Condition 87: Air pollution prohibited

Effective between the dates of 02/11/2002 and 02/11/2007

Applicable State Requirement: 6NYCRR 211.2

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



Item 87.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

****** Emission Unit Level ******

Condition 1-13: Emission Unit Permissible Emissions

Effective between the dates of 05/13/2005 and 02/11/2007

Applicable State Requirement: 6NYCRR 201-7

Item 1-13.1:

The sum of emissions from all regulated processes specified in this permit for the emission unit cited shall not exceed the following Potential to Emit (PTE) rates for each regulated contaminant:

Emission Unit: E-00002

CAS No: 0NY210000 (From Mod 1)

Name: OXIDES OF NITROGEN

PTE(s): 549,000 pounds per year

199.3 pounds per hour

Condition 1-14: Capping Monitoring Condition

Effective between the dates of 05/13/2005 and 02/11/2007

Applicable State Requirement: 6NYCRR 201-7

Item 1-14.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2

Item 1-14.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 1-14.3:

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Item 1-14.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-14.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-14.6:

The Compliance Demonstration activity will be performed for:

Emission Unit: E-00002

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 1-14.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

This emission unit is capping its emissions to 274.5
tons/yr.

Manufacturer Name/Model Number: N/A

Parameter Monitored: OXIDES OF NITROGEN

Upper Permit Limit: 274.5 tons per year

Reference Test Method: 40 CFR 60, Appendix A

Monitoring Frequency: SEMI-ANNUALLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

Subsequent reports are due every 6 calendar month(s).

Condition 1-15: Capping Monitoring Condition

Effective between the dates of 05/13/2005 and 02/11/2007

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Applicable State Requirement: 6NYCRR 201-7

Item 1-15.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2
40CFR 52-A.21

Item 1-15.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 1-15.3:

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

Item 1-15.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-15.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-15.6:

The Compliance Demonstration activity will be performed for:

Emission Unit: E-00002 Emission Point: 0021C
Process: C10 Emission Source: 0022C

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 1-15.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



Monitoring Description:

The allowable emissions for boiler # 5 (source 22D) are capped to be under 22.5 tons per year.

Natural gas supply to this boiler will be measured monthly with flow meters dedicated to this source.

The emission factors used to calculate NO_x emission is 0.036 lbs of NO_x per mmbtu of natural gas burned. The heating value of natural gas is 999btu/scf of natural gas.

If natural gas is only used, the annual quantity of natural gas to be burned by this boiler is limited to:

125,125,125 scf per year.

This limit is based on the following formula:

$$45,000 \text{ (lbs/yr)} = \{ (138,000 \text{ BTU/gallon} * 0.15 \text{ lbs of NO}_x / 10^6 \text{ BTU}) * (\text{gallons of No. 2 oil annually}) \} + \{ (999 \text{ BTU/SCF} * 0.036 \text{ lbs of NO}_x / 10^6 \text{ BTU}) * (\text{cubic feet of natural gas annually}) \}.$$

Max gallons natural gas per year = 125,125,125 scf.

Manufacturer Name/Model Number: N/A

Parameter Monitored: NATURAL GAS

Upper Permit Limit: 125,125,125 cubic feet

Reference Test Method: Fuel usage records

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2005.

Subsequent reports are due every 6 calendar month(s).

Condition 1-16: Capping Monitoring Condition

Effective between the dates of 05/13/2005 and 02/11/2007

Applicable State Requirement: 6NYCRR 201-7

Item 1-16.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2

New York State Department of Environmental Conservation

Permit ID: 3-5518-00214/00019

Facility DEC ID: 3551800214



40CFR 52-A.21

Item 1-16.2:

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 1-16.3:

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

Item 1-16.4:

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-16.5:

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-16.6:

The Compliance Demonstration activity will be performed for:

Emission Unit: E-00002 Emission Point: 0021C
Process: C11 Emission Source: 0022C

Regulated Contaminant(s):
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 1-16.7:

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The allowable emissions for boiler # 5 (source 22D) are capped to be under 22.5 tons per year.

Fuel supply to this boiler will be measured monthly with flow meters dedicated to it.

The emission factors used to calculate NOx emission is 0.15 lbs of NOx per mmbtu of oil burned.

New York State Department of Environmental Conservation
Permit ID: 3-5518-00214/00019 Facility DEC ID: 3551800214



The heating value of the No. 2 oil burned is reported to be: 138,000 BTU/gallon of No. 2 oil.
If No. 2 fuel is only used, the annual quantity of No. 2 oil to be burned by this boiler is limited to: 2,173,913 gallons/year

This limit is based on the following formula:
$$45,000 \text{ (lbs/yr)} = \{ (138,000 \text{ BTU/gallon} * 0.15 \text{ lbs of NOx} / 10^6 \text{ BTU}) * (\text{gallons of No. 2 oil annually}) \} + \{ (999 \text{ BTU/SCF} * 0.036 \text{ lbs of NOx} / 10^6 \text{ BTU}) * (\text{cubic feet of natural gas annually}) \}.$$

Max gallons No. 2 oil per year = 2,173,913 gallons/year.

Manufacturer Name/Model Number: N/A
Parameter Monitored: NUMBER 2 OIL
Upper Permit Limit: 2,173,213 gallons per year
Reference Test Method: Fuel Usage records
Monitoring Frequency: MONTHLY
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 7/30/2005.
Subsequent reports are due every 6 calendar month(s).