



Consolidated Edison Company  
of New York, Inc.  
4 Irving Place  
New York NY 10003  
www.conEd.com

October 25, 2018

Stephen A Watts, Regional Permit Administrator  
New York State Department of  
Environment Conservation,  
Region 2, New York City,  
1 Hunter's Point Plaza,  
47 - 40 21<sup>st</sup> Street  
Long Island City, NY 11101-5407

**RE: Consolidated Edison Company of New York, Inc.  
59<sup>th</sup> Street Station (DEC ID#: 2-6202-00032)  
Air Title V Facility Permit Renewal 3 Application**

Dear Mr. Watts:

Enclosed please find a completed Title V Permit Renewal 3 application for the above referenced facility. This renewal application is being submitted at least 6 months prior to the expiration date of the May 6<sup>th</sup>, 2019 for this facility's Air Facility Title V permit.

If you have any questions regarding this renewal, please contact me by phone at (212) 460-1223 or by email at [ogunsolaf@coned.com](mailto:ogunsolaf@coned.com).

Sincerely,

Olufemi Ogunsola  
Sr. Engineer  
Air Resources Section, EH&S

CC: Denise Grattan, NYSDEC, Region 2 via email  
Cicily Nirappel, NYSDEC, Region 2 via email  
Thomas John, NYSDEC, Region 2 via email

DEC ID: 2620200032

Application ID: 262020003200013

Renewal Number: 3

Facility: CON ED-59TH ST STATION

October, 2018

### Section I - Certification Permit Application 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. submitted. Based on my inquiry of the person or persons directly responsible for gathering the information 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.

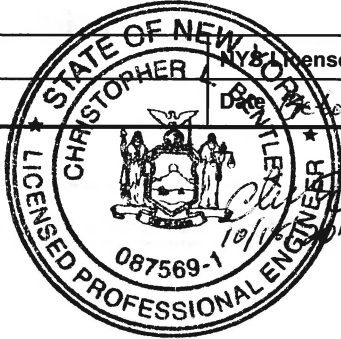
Responsible Official <i>Constantine Sanoulis</i> <b>SANOULIS</b>	Title Vice President, Steam Operations
Signature <i>Sanoulis</i>	Date <b>10/24/18</b>

### Professional Engineer Certification

I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments as they pertain to the practice of engineering.

I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Professional Engineer Christopher L. Bentley, PE	NYS License No. 087569
Signature <i>Christopher Bentley</i>	Date <b>October 18, 2018</b>



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### Section II - Identification Information

Permit Type:	Air Title V Facility (ATV)
	RENEWAL
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	CONSOLIDATED EDISON COMPANY OF NEW YORK INC				
Street	4 IRVING PL				
City	NEW YORK	State	NY	Country	USA
		Zip	10003		3502
Owner Classification	Corporation/Partnership			Taxpayer Id	135009340

### Facility

Name	CON ED-59TH ST STATION				
Address	850 12TH AVE				
City	NEW YORK	Zip	10019		

### Owner / Firm Contact Information

Name	FEMI OGUNSOLA	Phone No.	2124601223		
Affiliation		Fax No.	2129828194		
Title					
Street	CONSOLIDATED EDISON CO OF NY INC				
	4 IRVING PL RM 15 NE				
City	NEW YORK	State	NY	Country	USA
		Zip	10003		3502
E-mail	ogunsolaf@coned.com				

### Facility Contact Information

Name	FEMI OGUNSOLA	Phone No.	2124601223		
Affiliation		Fax No.	2129828194		
Title					
Street	CONSOLIDATED EDISON CO OF NY INC				
	4 IRVING PL RM 15 NE				
City	NEW YORK	State	NY	Country	USA
		Zip	10003		3502
E-mail	ogunsolaf@coned.com				

### Project Description

Application for renewal of Air Title V Facility.

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### Section III - Facility Information Classification

UTILITY

#### Affected States

CONNECTICUT      NEW JERSEY

#### SIC Codes

4961      4911      4931

#### NAICS Codes

2211

### Facility Description

This facility operates two (2) very large boilers(114,& 115), each rated at 805 MMBtu/hr boilers, three (3) large boilers, each rated at 180 MMBtu/hr boilers, and one (1) 220 MMBtu/hr combustion turbine. All boilers have the capability to combust residual oil and natural gas. The combustion turbine burns distillate oil and natural gas. All boilers are used to generate steam only.

### 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 of section IV 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.

### Facility Applicable Federal Requirements

Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
40	CFR	63	JJJJJ							
40	CFR	68								
40	CFR	82	F							
6	NYCRR	200		3						
6	NYCRR	200		6						
6	NYCRR	200		7						
6	NYCRR	201	1	7						
6	NYCRR	201	1	8						
6	NYCRR	201	3	2	a					
6	NYCRR	201	3	3	a					
6	NYCRR	201	6	4	a	4				
6	NYCRR	201	6	4	a	7				
6	NYCRR	201	6	4	a	8				

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### Section III - Facility Information Facility Applicable Federal Requirements

Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	201	6	4	c					
6	NYCRR	201	6	4	c	2				
6	NYCRR	201	6	4	c	3	ii			
6	NYCRR	201	6	4	d	4				
6	NYCRR	201	6	4	e					
6	NYCRR	201	6	4	f	6				
6	NYCRR	202	1	1						
6	NYCRR	202	2	1						
6	NYCRR	202	2	5						
6	NYCRR	211		1						
6	NYCRR	215		2						
6	NYCRR	225		1	a	3				
6	NYCRR	225	1	2	g					
6	NYCRR	225	1	2	h					
6	NYCRR	225	1	5	c					
6	NYCRR	225	1	6	f					
6	NYCRR	249		3	d					
6	NYCRR	207								
6	NYCRR	201	3							
6	NYCRR	201	6							

### Facility State Only Requirements

Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	201	1	4						
6	NYCRR	211		2						
	ECL	19	0301							

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### 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	227	1	3						
<input checked="" type="checkbox"/> Applicable Federal Requirement										

#### Description

In response to New York State Department of Environmental Conservation opacity regulations, Con Edison installed and certified Lear Siegler RM41 transmissometers on applicable Fossil Power stacks during the early 1980s. In 1994 and 1995, as part of Con Edison's Continuous Emissions Monitoring System (CEMS) program, existing equipment at all facilities was replaced with new state-of-the-art Land Model 4500 units. New recorders were installed and digital opacity indicators were placed in control rooms so that Station operators would have real-time opacity readings. Con-Edison's opacity monitors shall be operated and maintained in accordance with the requirements of 40 CFR Part 75.

#### 1. Opacity Incident Reporting:

Con Edison shall prepare opacity incident reports consistent with the requirements of this paragraph. The term "opacity incident" as used in this condition means smoke emissions which exhibit greater than 20% opacity (6-minute average). Opacity incident report shall be maintained by Con Edison for a period of three years and shall be made available for inspection by the Department on demand. To provide a consistent and permanent record of all reportable opacity events, incident reporting was initiated in 1994. The reports consist of documenting incident events by way of Incident Reports in Con Edison's Central information database system. Incident Reports identify personnel on duty, a brief summary of the incident and as necessary a sequence of events, a preliminary cause analysis and associated corrective action requirements. All opacity Incident Reports are available electronically to cognizant Con Edison departments and personnel for their information, review and use. Incident Reports form the basis for more detailed root cause analysis, corrective actions, design modifications and project/program development and implementation.

#### 2. Opacity Reporting Compliance Audits:

Con Edison shall conduct monthly opacity reporting compliance audits consistent with the requirements of this paragraph. Monthly opacity reporting compliance audits have been performed since April, 1994 and shall continue to be performed to ensure compliance with applicable regulatory reporting requirements. Audits include a detailed review of all opacity charts or recording device data for the prior month, confirmation that all indicated events were properly reported and documented, charts properly marked, survey sheets completed and all documentation retained. Comprehensive audit reports shall continue to be prepared to identify all relevant observations. Items tabulated include missing chart hours and survey sheets, events greater than 20% opacity, events greater than 40% opacity, total incidents, incidents reported and events covered by Incident Reports.

#### 3. Awareness, Communications and Training:

Con Edison shall comply with the opacity awareness, communications and training provisions of this paragraph. Several significant initiatives have been undertaken to ensure and reinforce personnel understanding of the regulatory and operational requirements associated with this opacity. Awareness has been heightened by consistently and effectively communicating mandates throughout all levels of Con Edison's Steam Operations organization. Opacity audit results, significant or unusual exceedances, trends, goals, new developments and/or opacity reduction initiatives shall be included as agenda items, when appropriate, at a variety of meetings, including the monthly meeting of the Steam Operations Vice President with the Plant Managers, the Steam Operations Program Managers Meeting, and/or the Operations and Maintenance Managers Meeting in order to promote continuing improvement in opacity awareness and compliance. Some of the opacity exceedances will be included in the review and discussion agenda of each monthly Incident Report Review Meeting, which is attended by key Steam Operations managers from each station, as well as EH&S and Central Engineering personnel. At the local generating station level, opacity understanding and awareness shall be communicated on an ongoing basis from station management to supervisory and operating and maintenance personnel. Such communications shall be reinforced by operator interaction with personnel assigned as Opacity Auditors. Formal operator training is required of all personnel in order to receive their Air Pollution Control Certificates. A formal Air Pollution Control Refresher Course has been developed by the Company and was given to all control room operators by December 1998. Training of newly positioned control room operator continues on an ongoing basis. It shall provide training in opacity regulatory requirements, fundamentals of combustion, and the balance between NO<sub>x</sub> control and opacity and continuous emissions monitoring interface.

#### 4. Preventive Maintenance:

Con Edison shall conduct, on an ongoing basis, a preventive maintenance program as described in this paragraph. Review of opacity-related Incident Reports by Con Edison has identified equipment deficiencies, both in design and maintenance. The consistent and repetitive nature of maintenance-related deficiencies has indicated the need for a comprehensive boiler component opacity reduction preventive maintenance program. The program has been fully operational since mid-1996. It consists of three phases defined as follows:

Phase 1 - identify essential program elements including repetitive deficiencies;

Phase 2 - develop procedures for each identified element;

Phase 3 - consists of ongoing implementation of preventive maintenance.

The primary elements of Con Edison's ongoing preventive maintenance program for opacity reductions consist of regular inspection, calibration, and/or servicing of the following equipment in each of the generating stations:

- CEMS stack opacity monitoring equipment;
- Boiler control and instrumentation;
- Fuel oil and gas meters;
- Fuel oil pumps and strainers;
- Boiler fireside tubes (to minimize ash build-up);
- Air preheaters (to minimize ash build-up);
- Control-air air compressors;
- Fuel oil regulators;
- Atomizing steam regulators;
- Fan dampers and actuators; and
- Oil guns and tips.

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### Section III - Facility Information Facility Compliance Certification

This program may be revised by adding appropriate new maintenance requirements and deleting ineffective or obsolete maintenance activities based on operating experience or changes in equipment operation. The Department shall be notified of all significant additions and deletions to the preventive maintenance program via Con Edison's quarterly report to the Department.

**5. Root Cause Analysis and Corrective Actions:**

Con Edison shall conduct root cause analyses as described in this paragraph and shall take all corrective actions that are deemed necessary to maintain full compliance with the State's opacity requirements. A comprehensive Root Cause Analysis program, including deficiency categorization and correction of categorized deficiencies was implemented in April 1995. Incident categories include oil, air, atomizing steam, ignition, burner and combustion control system deficiencies. Analysis, categorization and corrective action development shall be performed monthly by the facility's Boiler System Engineer and other station personnel. Corrections due to equipment failure, malfunction and marginal design shall be accomplished by corrective maintenance and simple design basis enhancement activities. Correction of operation deviations include focused training, minimized soot blowing and increased boiler fireside washes. Significant design basis deficiencies shall be corrected by the development and implementation of design basis enhancement projects, including, but not limited to, fuel switching and ignition and control system retrofits.

**6. Quarterly Reports:**

Con Edison shall submit to the Department quarterly reports each May 15, August 15, November 15 and February 15, which describe activities and progress that Con Edison has made during the preceding quarter in carrying out the requirements of paragraphs 1 through 5 above in this condition. Penalties will not be assessed for excess opacity emission events attributable solely to equipment malfunctions or boiler start-ups or shut-downs, (as those terms are defined in 40 CFR § 60.2); provided that, Con Edison identifies those events in its quarterly excess emission reports, certifies that the events were not preventable and the Department does not dispute Con Edison's claim that such events were not preventable. When requested by the Department, Con Edison shall make available to the Department any incident reports and root cause analysis that it prepared for such events. Con Edison shall expressly identify in its quarterly excess emission reports instances of excess opacity attributable to soot blowing, operator error, or careless operation of properly functioning equipment.

#### Contaminants

Capping	CAS No.	Contaminant Name
<input type="checkbox"/>	0NY075-00-0	PARTICULATES

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	16	Desc	AS REQUIRED - SEE MONITORING DESCRIPTION			

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### 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	227	2	5	b					
<input checked="" type="checkbox"/> <del>Applicable Federal Requirement</del>										

#### Description

Effective through June 30, 2014

Con Edison's system-wide averaging of NO<sub>x</sub> emissions from its facilities shall be performed in accordance with the December 7, 2009 NO<sub>x</sub> RACT Compliance Plan and the NO<sub>x</sub> RACT Operating Plan, approved by the Department.

Monitoring Performed For							
Emission Unit	590005	Emission Point		Process	GTD	Emission Source	GT001
<del>Monitoring Performed For</del>							

Monitoring Performed For							
Emission Unit	590005	Emission Point		Process	GTN	Emission Source	GT001
<del>Monitoring Performed For</del>							

Monitoring Performed For							
Emission Unit	590020	Emission Point		Process	NG1	Emission Source	00114
<del>Monitoring Performed For</del>							

Monitoring Performed For							
Emission Unit	590020	Emission Point		Process	NG1	Emission Source	00115
<del>Monitoring Performed For</del>							

Monitoring Performed For							
Emission Unit	590020	Emission Point		Process	NG2	Emission Source	00116
<del>Monitoring Performed For</del>							

Monitoring Performed For							
Emission Unit	590020	Emission Point		Process	NG2	Emission Source	00117
<del>Monitoring Performed For</del>							

Monitoring Performed For							
Emission Unit	590020	Emission Point		Process	NG2	Emission Source	00118
<del>Monitoring Performed For</del>							

Monitoring Performed For							
Emission Unit	590020	Emission Point		Process	RO1	Emission Source	00114
<del>Monitoring Performed For</del>							

Monitoring Performed For							
Emission Unit	590020	Emission Point		Process	RO1	Emission Source	00115
<del>Monitoring Performed For</del>							

Monitoring Performed For							
Emission Unit	590020	Emission Point		Process	RO2	Emission Source	00116
<del>Monitoring Performed For</del>							

Monitoring Performed For							
Emission Unit	590020	Emission Point		Process	RO2	Emission Source	00117
<del>Monitoring Performed For</del>							

Monitoring Performed For							
Emission Unit	590020	Emission Point		Process	RO2	Emission Source	00118
<del>Monitoring Performed For</del>							



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**Section III - Facility Information**  
**Facility Compliance Certification**  
**Contaminants**

Capping	CAS No.	Contaminant Name
<input type="checkbox"/>	ONY210-00-0	OXIDES OF NITROGEN

Monitoring Information				
<input checked="" type="checkbox"/> RECORD KEEPING/MAINTENANCE PROCEDURES				
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	01	Desc	CONTINUOUS
Reporting Reqs	Code	13	Desc	QUARTERLY (CALENDAR)

**Facility Emissions Summary**

Cas No.	Contaminant Name	PTE		Actual	
		(lbs/yr)	(tons/yr)	(lbs/yr)	(tons/yr)
000630-08-0	CARBON MONOXIDE	1,604,374	802	384,443	192
007439-92-1	LEAD	109.5	0.06	5.43	0.003
ONY210-00-0	OXIDES OF NITROGEN	2,994,460	1,497	736,785	368
ONY075-00-0	PARTICULATES	1,316,252	658	73,856	36.9
ONY075-00-5	PM-10	1,065,971	533	65,998	33.0
007446-09-5	SULFUR DIOXIDE	3,943,938	1,972	122,082	61.0
ONY100-00-0	TOTAL HAP	43,091	21.6	1,506	0.75
ONY998-00-0	VOC	105,141	52.6	26,327	13.2

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### Section IV - Emission Unit Information

#### Emission Unit Description

<b>Emission Unit</b>	590005
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One (1) simple cycle combustion turbine utilized to generate electricity with maximum rated heat input of 220 mmbtu/hr and a rated electric output of 14 MW. The turbine burns distillate oil and natural gas. The turbine burns distillate oil and natural gas.

#### Building

Building	Building Name	Length	Width	Orient.
BOILERHS	BOILER HOUSE			

#### Emission Point

Emission Unit	590005	Emission Pt.	GT001			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
					Length (in)	Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
17	119	10	144	660		
68	920000	584.959	4513.957	BOILERHS		

#### Emission Source / Control

Emission Unit	590005	Emission Source		GT001		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.		
C		06/01/1969		Pratt Whitney FT 4A		
Design Capacity	220	Units Code	25	Desc	million Btu per hour	
Control Type	Code		Desc			
Waste Feed	Code		Desc			
Waste Type	Code		Desc			

#### Process Information

Emission Unit	590005	Process	GTD			
Source Classification Code (SCC)	Total Thruput			Thruput Quantity Units		
	Quantity / Hr	Quantity / Yr	Code	Description		
20100101						
<input type="checkbox"/> Confidential	<b>Operating Schedule</b>		<b>Building</b>	<b>Floor / Location</b>		
<input type="checkbox"/> Operating At Maximum Capacity	<b>Hrs / Day</b>	<b>Days / Yr</b>				
	4		BOILERHS	West End Floor 1		

#### Description

This process includes: one (1) combustion turbine, rated at 220 MMBtu/hr. This process covers the combustion of distillate oil in this turbine.

<b>Emission Point Identifier(s)</b>
<b>Emission Source / Control Identifier(s)</b>

GT001

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### Section IV - Emission Unit Information

#### Process Information

Emission Unit	590005	Process	GTN	
Source Classification Code (SCC)	Total Thruput			Thruput Quantity Units
	Quantity / Hr	Quantity / Yr	Code	Description
20100201				
<input type="checkbox"/> Confidential	Operating Schedule		Building	Floor / Location
<input type="checkbox"/> Operating At Maximum Capacity	Hrs / Day	Days / Yr		
	4			

#### Description

This process includes: one (1) combustion turbine, rated at 220 MMBtu/hr. This process covers the combustion of natural gas in this turbine.

Emission Point Identifier(s)
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GT001

Emission Source / Control Identifier(s)
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GT001

#### Emission Unit Applicable Federal Requirements

Emission Unit	5-90005			Emission Point	GT001			Process	GTN			Emission Source	GT001	
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item				
6	NYCRR	227	1	3										

Emission Unit	5-90005			Emission Point	GT001			Process	GTN			Emission Source	GT001	
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item				
6	NYCRR	227		2	b	1								

Emission Unit	5-90005			Emission Point	GT001			Process	GTN			Emission Source	GT001	
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item				
6	NYCRR	227	1	3	a									

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### Section IV - Emission Unit Information

#### Emission Unit Compliance Certification

Emission Unit	5-90005	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	5							
<input checked="" type="checkbox"/> State Only Requirement										

#### Description

Operating Limits for Combustion Turbine – Emission Unit 5-90005, Processes GTD and GTN

This condition becomes effective upon the commencement of gas-burning operating capability of the combustion turbine.

The facility is authorized to operate the combustion turbine as stated in this condition:

(a) Except as provided in (c) and (d) below, the combustion turbine shall be operated with a limitation of a maximum of four (4) hours of operation per day (consecutive or otherwise).

(b) Except as further provided in (d) below, the combustion turbine shall burn natural gas for its normal operation and testing. However, this restriction does not apply when testing the combustion turbine to confirm its capability to run on distillate oil is required, or during stack testing required once per term of this permit, when the combustion turbine shall also fire distillate oil.

(c) Periodic testing of the combustion turbine is subject to a maximum of four (4) hours per day except during: (i) the once per term particulate matter emission testing as required by this permit; and (ii) the initial startup, tuning, testing and commissioning of the combustion turbine after it is converted to burn natural gas.

(d) The four (4) hour operating limitation shall not apply during the following events:

1. When an emergency black start is needed for the Station;
2. When an emergency black start is needed for the Con Edison Energy Control Center;
3. During the summer (peak load) months, during an emergency condition or to avoid an emergency condition in the Con Edison 49th Street load pocket;
4. During the non-summer months, during an emergency condition or to avoid an emergency condition in the 49th Street load pocket when one major piece of equipment is off-line for maintenance and two major pieces of equipment fail;
5. When the NYISO or Con Edison operate in a "condition yellow" (i.e., when the system is one contingency from requiring voltage reduction or load shedding to maintain system integrity); or
6. When NYISO declares an emergency or when Con Edison or NYISO declares a maximum generation condition.

In the event of a condition specified in paragraphs (d)1 or 2 above, the combustion turbine shall be permitted to run using distillate oil. In the event of a condition specified in paragraphs (d)3, 4, 5 or 6 above, the combustion turbine shall be permitted to run using distillate oil for any period when the gas supply to the combustion turbine is curtailed.

The data from the unit's NOx RACT monitoring system shows the daily operating hours of the combustion turbine. The facility will also keep an operating log at the facility to verify the hours of operation of the CT.

Monitoring Information				
<input checked="" type="checkbox"/> WORK PRACTICE INVOLVING SPECIFIC OPERATIONS				
Work Practice	Process Material			Ref Test Method
Type	Code	Description		
01				
Parameter				Manufacturer Name/Model No.
Code	Description			
Limit		Limit Units		
Upper	Lower	Code	Description	
4		28	hours	
Averaging Method	Code	74	Desc	24 HOUR MAXIMUM
Monitoring Freq	Code	03	Desc	DAILY
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)

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### Section IV - Emission Unit Information

### Emission Unit Compliance Certification

Emission Unit	5-90005	Emission Point				Emission Source				
<b>Rule Citation</b>										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	1	3						
<input checked="" type="checkbox"/> Applicable Federal Requirement										

### Description

For the oil-fired Combustion Turbine, stack opacity shall not exceed 20 percent (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance with this standard shall be determined with EPA Reference Method 9. For the turbine, the following shall be performed:

- 1) Observe the stack for the turbine when operating on oil once per day for visible emissions. This observation(s) must be conducted during daylight hours except during adverse weather conditions (fog, rain, or snow).
- 2) The results of each observation must be recorded in a bound logbook or other format acceptable to the Department. The following data must be recorded for the stack:
  - weather condition
  - was a plume observed?
 This logbook must be retained at the facility for five (5) years after the date of the last entry.

- 3) If the operator observes any visible emissions (other than steam - see below) two consecutive days firing oil, then a Method 9 analysis (based upon a 6-minute mean) of the affected emission point must be conducted within two (2) business days of such occurrence. The results of the Method 9 analysis must be recorded in the logbook. The operator must contact the Regional Air Pollution Control Engineer within one (1) business day of performing the Method 9 analysis if the opacity standard is contravened. Upon notification, any corrective actions or future compliance schedules shall be presented to the Department for acceptance.

**\*\* NOTE \*\*** Steam plumes generally form after leaving the top of the stack (this is known as a detached plume). The distance between the stack and the beginning of the detached plume may vary, however, there is (normally) a distinctive distance between the plume and stack. Steam plumes are white in color and have a billowy consistency. Steam plumes dissipate within a short distance of the stack (the colder the air the longer the steam plume will last) and leave no dispersion trail downwind of the stack.

Monitoring Information					
<input checked="" type="checkbox"/> RECORD KEEPING/MAINTENANCE PROCEDURES					
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	16	Desc	AS REQUIRED - SEE MONITORING DESCRIPTION	

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### Section IV - Emission Unit Information

#### Emission Unit Compliance Certification

Emission Unit	5-90005	Emission Point		Process	GTD	Emission Source	GT001			
<b>Rule Citation</b>										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	5	c					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

#### Description

Condition effective from July 1, 2014:

The combustion turbine shall meet the NOx Limit of 0.47 lb/mmBtu when burning distillate oil. This limit has been determined based on the most recent stack emission test data and December 2011 NOx RACT analysis, in which facility made a demonstration that cost per ton of NOx reduced with a feasible technology will be more than the reasonable cost set by the Department.

Facility shall perform stack emission testing to demonstrate compliance with the permit limit once during the permit term. The owner or operator shall submit a compliance test protocol to the Department for approval at least 90 days prior to emission testing.

#### Contaminants

Capping	CAS No.	Contaminant Name
<input type="checkbox"/>	0NY210-00-0	OXIDES OF NITROGEN

#### Monitoring Information

<input checked="" type="checkbox"/> INTERMITTENT EMISSION TESTING					
<b>Work Practice</b>		<b>Process Material</b>		<b>Ref Test Method</b>	
Type	Code	Description		40 CFR Part 60 Method 20 Appendix A	
				Manufacturer Name/Model No.	
<b>Parameter</b>		<b>Limit</b>		<b>Limit Units</b>	
Code	Description	Upper	Lower	Code	Description
		0.47		7	pounds per million Btus
<b>Averaging Method</b>	Code	08	<b>Desc</b>	1-HOUR AVERAGE	
<b>Monitoring Freq</b>	Code	17	<b>Desc</b>	ONCE DURING THE TERM OF THE PERMIT	
<b>Reporting Reqs</b>	Code	15	<b>Desc</b>	ANNUALLY (CALENDAR)	

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**Section IV - Emission Unit Information**

**Emission Unit Compliance Certification**

Emission Unit	5-90005	Emission Point		Process	GTN	Emission Source	GT001			
<b>Rule Citation</b>										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	5	c					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

**Description**

Condition becomes effective on July 1, 2014:  
Combustion turbine shall meet the NOx Limit of 0.38 lb/mmBtu for natural gas.

Facility shall perform stack emission testing to demonstrate compliance with the permit limit once during the permit term. The owner or operator shall submit a compliance test protocol to the Department for approval at least 90 days prior to emission testing.

**Contaminants**

Capping	CAS No.	Contaminant Name
<input type="checkbox"/>	0NY210-00-0	OXIDES OF NITROGEN

**Monitoring Information**

<input checked="" type="checkbox"/> INTERMITTENT EMISSION TESTING				
<b>Work Practice</b>		<b>Process Material</b>		<b>Ref Test Method</b>
Type	Code	Description		
				40 CFR Part 60 Method 20 Appendix A
<b>Parameter</b>			<b>Manufacturer Name/Model No.</b>	
Code	Description			
<b>Limit</b>		<b>Limit Units</b>		
Upper	Lower	Code	Description	
0.38		7	pounds per million Btus	
<b>Averaging Method</b>	Code	08	<b>Desc</b>	1-HOUR AVERAGE
<b>Monitoring Freq</b>	Code	17	<b>Desc</b>	ONCE DURING THE TERM OF THE PERMIT
<b>Reporting Reqs</b>	Code	15	<b>Desc</b>	ANNUALLY (CALENDAR)

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### Section IV - Emission Unit Information

#### Emission Unit Description

<b>Emission Unit</b>	590020
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Very large boilers 114 and 115 and large boilers 116, 117 and 118. All boilers have the capability to combust residual oil and natural gas. All boilers are used to generate steam only.

#### Building

Building	Building Name	Length	Width	Orient.
BOILERHS	BOILER HOUSE			

#### Emission Point

Emission Unit	590020	Emission Pt.	00001			
Ground Elev (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp (°F)	Cross Section	
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft)	Date of Removal
19	507	400	198	370		
61	782510	585.005	4513.94	BOILERHS		

#### Emission Source / Control

Emission Unit	590020	Emission Source	00114			
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.		
C		12/01/1968		Combustion Engineering VU-60		
Design Capacity	805	Units Code	25	Desc	million Btu per hour	
Control Type	Code		Desc			
Waste Feed	Code		Desc			
Waste Type	Code		Desc			

Emission Unit	590020	Emission Source	00115			
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.		
C		12/01/1968		Combustion Engineering VU-60		
Design Capacity	805	Units Code	25	Desc	million Btu per hour	
Control Type	Code		Desc			
Waste Feed	Code		Desc			
Waste Type	Code		Desc			

Emission Unit	590020	Emission Source	00116			
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.		
C		06/01/1972		Foster Wheeler AG-5150		
Design Capacity	192	Units Code	25	Desc	million Btu per hour	
Control Type	Code		Desc			
Waste Feed	Code		Desc			
Waste Type	Code		Desc			



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### Section IV - Emission Unit Information

#### Emission Source / Control

Emission Unit	590020	Emission Source	00117		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
C		06/01/1972		Foster Wheeler AG-5150	
Design Capacity	192	Units Code	25	Desc	million Btu per hour
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

Emission Unit	590020	Emission Source	00118		
Source Type	Date of Construction	Date of Operation	Date of Removal	Manufacturer's Name/Model No.	
C		06/01/1972		Foster Wheeler AG-5150	
Design Capacity	192	Units Code	25	Desc	million Btu per hour
Control Type	Code		Desc		
Waste Feed	Code		Desc		
Waste Type	Code		Desc		

#### Process Information

Emission Unit	590020	Process	NG1		
Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units		
	Quantity / Hr	Quantity / Yr	Code	Description	
10200601					
<input type="checkbox"/> Confidential	Operating Schedule		Building	Floor / Location	
<input type="checkbox"/> Operating At Maximum Capacity	Hrs / Day	Days / Yr			
			BOILERHS	1 - 4	

#### Description

This process includes: Two (2) tangentially fired boilers (114 and 115) rated at 805 MMBtu/hr each and covers the combustion of natural gas in these boilers. NOx emissions are controlled with the use of off-stoichiometric firing.

Emission Point Identifier(s)	
Emission Source / Control Identifier(s)	
00114	00115

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### Section IV - Emission Unit Information

#### Process Information

Emission Unit	590020	Process	NG2		
Source Classification Code (SCC)	Total Thruput			Thruput Quantity Units	
	Quantity / Hr	Quantity / Yr	Code	Description	
10200601					
<input type="checkbox"/> Confidential		Operating Schedule		Building	Floor / Location
<input type="checkbox"/> Operating At Maximum Capacity		Hrs / Day	Days / Yr		
				BOILERHS	1 - 4

#### Description

This process includes: Three (3) normally fired boilers (116, 117 and 118) rated at 192 MMBtu/hr each and covers the combustion of natural gas in these boilers. NOx emissions are controlled with the use of Low Excess air.

Emission Point Identifier(s)		
Emission Source / Control Identifier(s)		

00116	00117	00118
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Emission Unit	590020	Process	RO1		
Source Classification Code (SCC)	Total Thruput			Thruput Quantity Units	
	Quantity / Hr	Quantity / Yr	Code	Description	
10200401					
<input type="checkbox"/> Confidential		Operating Schedule		Building	Floor / Location
<input type="checkbox"/> Operating At Maximum Capacity		Hrs / Day	Days / Yr		
				BOILERHS	1 - 4

#### Description

This process includes: Two (2) tangentially fired boilers (114 and 115) rated at 805 MMBtu/hr each and covers the combustion of residual oil in these boilers. NOx emissions are controlled with the use of off-stoichiometric firing.

Emission Point Identifier(s)		
Emission Source / Control Identifier(s)		

00114	00115
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### Section IV - Emission Unit Information

#### Process Information

Emission Unit	590020	Process	RO2				
Source Classification Code (SCC)	Total Thruput			Thruput Quantity Units			
	Quantity / Hr	Quantity / Yr	Code	Description			
10200401							
<input type="checkbox"/> Confidential		Operating Schedule		Building		Floor / Location	
<input type="checkbox"/> Operating At Maximum Capacity		Hrs / Day	Days / Yr	BOILERHS		1 - 4	

#### Description

This process includes: Three (3) normally fired boilers (116, 117 and 118) rated at 180 MMBtu/hr each and covers the combustion of residual oil in these boilers. NOx emissions are controlled with the use of Low Excess air.

Emission Point Identifier(s)		
Emission Source / Control Identifier(s)		

00116	00117	00118
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#### Emission Unit Applicable Federal Requirements

Emission Unit	5-90020	Emission Point			Process	Emission Source				
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	249		3	f					

Emission Unit	5-90020	Emission Point			00001	Process	Emission Source				
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item	
6	NYCRR	227		2	b	1					

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### Section IV - Emission Unit Information

#### Emission Unit Compliance Certification

Emission Unit	5-90020	Emission Point		Process		Emission Source				
<b>Rule Citation</b>										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	1	3						
<input checked="" type="checkbox"/> Applicable Federal Requirement										

#### Description

Stack opacity shall not exceed 20 percent (six minute average), except for one six-minute period per hour of not more than 27 percent opacity. Compliance with this standard shall be determined with Continuous Opacity Monitoring System (COMS) data. The owner shall install, operate in accordance with manufacturer's instructions, and properly maintain, a COMS in the stack satisfying the criteria in Appendix B of 40 CFR part 60.

The owner shall submit an accurate excess emissions and monitoring system performance report to the Department for each calendar year quarter. All reports shall be certified by a responsible corporate official as true, accurate and complete and postmarked by the 60th day following the end of each calendar year quarter. The quarterly excess emissions report shall be submitted in a form acceptable to the Department and shall include the following minimum information:

- (1) The magnitude, date and time of each six minute block average during which the average opacity of emissions exceeds 20 percent, except for one six minute block average per hour not to exceed 27 percent;
- (2) For each period of excess emissions, specific identification of the cause and corrective action taken;
- (3) Identification of all periods of COMS downtime, including the date, time and duration of each inoperable period, and the cause and corrective action for each COMS downtime period;
- (4) The total time in which the COMS are required to record data during the reporting period;
- (5) The total number of exceedences and the duration of exceedences expressed as a percentage of the total time which the COMS are required to record data.

Monitoring Information				
<input checked="" type="checkbox"/> CONTINUOUS EMISSION MONITORING (CEM)				
Work Practice		Process Material		Ref Test Method
Type	Code	Description		
				40 CFR 60 APP B
Parameter			Manufacturer Name/Model No.	
Code	Description			
01	OPACITY			Land, Model# 4500
Limit		Limit Units		
Upper	Lower	Code	Description	
20		136	percent	
Averaging Method	Code	44	Desc	6 MINUTE AVERAGE
Monitoring Freq	Code	01	Desc	CONTINUOUS
Reporting Reqs	Code	13	Desc	QUARTERLY (CALENDAR)

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### Section IV - Emission Unit Information

#### Emission Unit Compliance Certification

Emission Unit	5-90020	Emission Point		Process		Emission Source				
<b>Rule Citation</b>										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	249		3	a					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

#### Description

This condition applies to the two very large boilers, 114 and 115 firing residual oil and natural gas. This condition is necessary to ensure compliance with BART requirements under EPA's Regional Haze Program.

The average NOx emission of boilers 114 and 115 shall not be greater than 0.32 lbs/mmBtu.

All the records shall be kept at the facility for a minimum of five years, and must be available to NYSDEC upon request.

The compliance deadline, with the emission limitation listed in this condition is January 1, 2014. Compliance with the monitoring, record keeping, or reporting requirements listed in this condition begins on January 1, 2014.

#### Contaminants

Capping	CAS No.	Contaminant Name
<input type="checkbox"/>	0NY210-00-0	OXIDES OF NITROGEN

#### Monitoring Information

CONTINUOUS EMISSION MONITORING (CEM)

Work Practice		Process Material			Ref Test Method
Type	Code	Description			
					EPA approved
		Parameter			Manufacturer Name/Model No.
Code	Description				
				CEM	
Limit		Limit Units			
Upper	Lower	Code	Description		
0.32		7	pounds per million Btus		
Averaging Method	Code	9L	Desc	30 DAY ROLLING AVERAGE, ROLLED DAILY	
Monitoring Freq	Code	01	Desc	CONTINUOUS	
Reporting Reqs	Code	14	Desc	SEMI-ANNUALLY (CALENDAR)	

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### Section IV - Emission Unit Information

#### Emission Unit Compliance Certification

Emission Unit	5-90020	Emission Point		Process		Emission Source				
<b>Rule Citation</b>										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	249		3	a					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

#### Description

Particulate matter(PM) emissions of boilers 114 and 115 are limited to 0.1 lbs/mmbtu. This condition is necessary to ensure compliance with BART requirements under EPA's Regional Haze Program.

The facility shall record the boiler consumption of natural gas and residual oil a daily basis. The compliance with the PM emission limit during oil firing shall be verified by performing stack test, using department approved methods, once during the permit term, and for natural gas, by using AP 42 emission factors.

The compliance deadline, with the emission limitation listed in this condition is January 1, 2014. Compliance with the monitoring, record keeping, or reporting requirements listed in this condition begins on January 1, 2014.

#### Contaminants

Capping	CAS No.	Contaminant Name
<input type="checkbox"/>	ONY075-00-0	PARTICULATES

#### Monitoring Information

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

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### Section IV - Emission Unit Information

#### Emission Unit Compliance Certification

Emission Unit	5-90020	Emission Point		Process		Emission Source				
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	249		3	a					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

#### Description

This condition applies to the two very large boilers, 114 and 115 firing residual oil and natural gas. This condition is necessary to ensure compliance with BART requirements under EPA's Regional Haze Program.

Sulfur content of residual oil used in these boilers shall not be greater 0.30 percent by weight. A log of the sulfur content in oil per delivery must be maintained on site.

Usage of natural gas ensures that the SO2 emission rate will remain below the EPA's presumptive BART limit of 0.15 pounds per million btu.

Facility shall record the usage of natural gas and residual oil in these boilers . All records shall be kept at the facility for a minimum of five years, and must be available to NYSDEC upon request.

The compliance deadline, with the emission limitation listed in this condition is January 1, 2014. Compliance with the monitoring, record keeping, or reporting requirements listed in this condition begins on January 1, 2014.

#### Contaminants

Capping	CAS No.	Contaminant Name
<input type="checkbox"/>	007446-09-5	SULFUR DIOXIDE

#### Monitoring Information

<input checked="" type="checkbox"/> RECORD KEEPING/MAINTENANCE PROCEDURES					
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)		

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### Section IV - Emission Unit Information

#### Emission Unit Compliance Certification

Emission Unit	5-90020	Emission Point	00001	Process		Emission Source				
<b>Rule Citation</b>										
Title	Type	Part	Sub Part	Section	Sub Division	Parag	Sub Parag	Clause	Sub Clause	Item
6	NYCRR	227	2	5	a					
<input checked="" type="checkbox"/> Applicable Federal Requirement										

#### Description

The condition becomes effective from July 1, 2014; Condition applies to three Large Boilers 116, 117 and 118 and two Very Large Boilers 114 and 115, capable of burning residual oil and natural gas, which share a common emission point (stack) 00001.

These five boilers will comply with the NO<sub>x</sub> RACT limit of 0.15 lbs/MMBtu by opting fuel switching. These boilers shall burn natural gas between May 1 and September 30 of each year except as follows:

- A. When oil firing meets the presumptive NO<sub>x</sub> RACT limit on a 24-hour average; or
- B. In such situations when gas is unavailable or interrupted. Specific examples include but not limited to the following:
  1. failure of natural gas distribution system and/or transmission system;
  2. natural disaster;
  3. gas equipment failure or low natural gas supply pressure at the station;
  4. boiler testing (e.g. emissions stack testing which cannot be performed during non-ozone season, demonstrate reliability and functionality of oil firing equipment, maximum load testing or agency mandated testing);
  5. minimum oil firing requirements (e.g. electric units); or
  6. natural gas supply curtailments.

Compliance with the presumptive NO<sub>x</sub> RACT emission limit of 0.15 lbs/MMBtu shall be demonstrated on an annual average basis. The facility will use continuous emission monitoring system to monitor NO<sub>x</sub> emissions.

Facility must explain reasons and duration for firing oil during ozone season in the corresponding quarterly reports.

All records shall be kept at the facility to demonstrate compliance for at least five years.

#### Contaminants

Capping	CAS No.	Contaminant Name
<input type="checkbox"/>	0NY210-00-0	OXIDES OF NITROGEN

#### Monitoring Information

<input checked="" type="checkbox"/> RECORD KEEPING/MAINTENANCE PROCEDURES				
Work Practice		Process Material		Ref Test Method
Type	Code	Description		40 CFR 60 Appendix A Methd 19
		Parameter	Manufacturer Name/Model No.	
Code	Description			
Limit		Limit Units		
Upper	Lower	Code	Description	
Averaging Method	Code	15	Desc	CALENDAR YEAR AVERAGE
Monitoring Freq	Code	01	Desc	CONTINUOUS
Reporting Reqs	Code	13	Desc	QUARTERLY (CALENDAR)



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### Supporting Documentation

- Aerial Photo ( \_\_ / \_\_ / \_\_\_\_ )
- Air Quality Model ( \_\_ / \_\_ / \_\_\_\_ )
- Air State Facility Permit ( \_\_ / \_\_ / \_\_\_\_ )
- Air Title V Facility Permit ( \_\_ / \_\_ / \_\_\_\_ )
- Alternative Fuel Monitoring Schedule ( \_\_ / \_\_ / \_\_\_\_ )
- Ambient Air Monitoring Plan ( \_\_ / \_\_ / \_\_\_\_ )
- Analysis of Contemporaneous Emission Increase/Decrease ( \_\_ / \_\_ / \_\_\_\_ )
- Article 11, Title 5 Permit for Interference with Fish & Wildlife ( \_\_ / \_\_ / \_\_\_\_ )
- Authorized Agent Letter ( \_\_ / \_\_ / \_\_\_\_ )
- BACT Demonstration ( \_\_ / \_\_ / \_\_\_\_ )
- Baseline Period Demonstration ( \_\_ / \_\_ / \_\_\_\_ )
- Beneficial Use Determination (BUD) ( \_\_ / \_\_ / \_\_\_\_ )
- Blasting Chart - Ground Vibration Limits ( \_\_ / \_\_ / \_\_\_\_ )
- Building Identification Table ( \_\_ / \_\_ / \_\_\_\_ )
- Calculations ( \_\_ / \_\_ / \_\_\_\_ )
- Capping Letter/Package ( \_\_ / \_\_ / \_\_\_\_ )
- Certificate of Capacity (Resource Recovery Facility) ( \_\_ / \_\_ / \_\_\_\_ )
- Compliance Assurance Monitoring Plan (CAM) ( \_\_ / \_\_ / \_\_\_\_ )
- Confidentiality Justification ( \_\_ / \_\_ / \_\_\_\_ )
- Construction and Demolition Debris Tracking Document ( \_\_ / \_\_ / \_\_\_\_ )
- Construction Detail Drawings ( \_\_ / \_\_ / \_\_\_\_ )
- Continuous Emissions Monitoring Plans/QA/QC ( \_\_ / \_\_ / \_\_\_\_ )
- Control Equipment Layout ( \_\_ / \_\_ / \_\_\_\_ )
- Custom Schedule for Fuel Nitrogen and Sulfur Monitoring ( \_\_ / \_\_ / \_\_\_\_ )
- Drawings/Blueprints ( \_\_ / \_\_ / \_\_\_\_ )
- Elevations/Sections ( \_\_ / \_\_ / \_\_\_\_ )
- Emission Inventory Report ( \_\_ / \_\_ / \_\_\_\_ )
- Emission Survey ( \_\_ / \_\_ / \_\_\_\_ )
- Emission Unit Summary ( \_\_ / \_\_ / \_\_\_\_ )
- EPA Memo Re: Technical Infeasibility of Monitoring Nitrogen in Fuel ( \_\_ / \_\_ / \_\_\_\_ )
- Episode Action Plan ( \_\_ / \_\_ / \_\_\_\_ )
- Equipment Manufacturers Information ( \_\_ / \_\_ / \_\_\_\_ )
- ERC Quantification ( \_\_ / \_\_ / \_\_\_\_ )
- Exemption Related Document ( \_\_ / \_\_ / \_\_\_\_ )
- Existing Certificates to Operate and/or Permits to Construct ( \_\_ / \_\_ / \_\_\_\_ )
- Existing Consent Order ( \_\_ / \_\_ / \_\_\_\_ )
- Existing Methane Migration & Recovery Well Plan ( \_\_ / \_\_ / \_\_\_\_ )
- Existing Permit Figures ( \_\_ / \_\_ / \_\_\_\_ )
- Facility Location Map ( \_\_ / \_\_ / \_\_\_\_ )
- Facility-Wide Operating Permit Submittal Schedule ( \_\_ / \_\_ / \_\_\_\_ )
- Fugitive Dust Control Plan ( \_\_ / \_\_ / \_\_\_\_ )
- General Flow Diagram ( \_\_ / \_\_ / \_\_\_\_ )
- Generating Plant Site & Section Sheet ( \_\_ / \_\_ / \_\_\_\_ )
- LAER Demonstration ( \_\_ / \_\_ / \_\_\_\_ )
- Letter of Intent to Commence Work ( \_\_ / \_\_ / \_\_\_\_ )

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### Supporting Documentation

- List of Exempt Activities (form attached) ( \_\_\_ / \_\_\_ / \_\_\_ )
- MACT Demonstration ( \_\_\_ / \_\_\_ / \_\_\_ )
- Methods Used To Determine Compliance (form attached) ( \_\_\_ / \_\_\_ / \_\_\_ )
- Miscellaneous Attachments - Not Otherwise Specified ( \_\_\_ / \_\_\_ / \_\_\_ )
- Miscellaneous Correspondence ( \_\_\_ / \_\_\_ / \_\_\_ )
- Mitigation Planting Plan ( \_\_\_ / \_\_\_ / \_\_\_ )
- MSDS Information Sheets ( \_\_\_ / \_\_\_ / \_\_\_ )
- Non-CEM: Custom Monitoring, Recordkeeping and/or Reporting Plan ( \_\_\_ / \_\_\_ / \_\_\_ ) Notice Covenant ( \_\_\_ / \_\_\_ / \_\_\_ )
- Notice of Intent to Commence Work ( \_\_\_ / \_\_\_ / \_\_\_ )
- NOx RACT Compliance Plan ( 10 / 15 / 2018 ) update of 12/29/2011 submission
- NOx RACT Operating Plan ( 10 / 15 / 2018 ) update of 12/29/2011 submission
- Opacity Compliance Plan ( \_\_\_ / \_\_\_ / \_\_\_ )
- Operational Flexibility: Desc of Alternative Operating Scenarios and Protocols ( \_\_\_ / \_\_\_ / \_\_\_ ) P.E.
- Certification (form attached) ( \_\_\_ / \_\_\_ / \_\_\_ )
- Permit Sign ( \_\_\_ / \_\_\_ / \_\_\_ )
- Pesticide Treatment Area Map ( \_\_\_ / \_\_\_ / \_\_\_ )
- Photograph(s) ( \_\_\_ / \_\_\_ / \_\_\_ )
- Plot Plan ( \_\_\_ / \_\_\_ / \_\_\_ )
- Process Flow Diagram(s) ( \_\_\_ / \_\_\_ / \_\_\_ )
- Process Material Specification Data ( \_\_\_ / \_\_\_ / \_\_\_ )
- Process Operation Log Sheet(s) ( \_\_\_ / \_\_\_ / \_\_\_ )
- Project Location Map ( \_\_\_ / \_\_\_ / \_\_\_ )
- PSD Permit Correlation Tables ( \_\_\_ / \_\_\_ / \_\_\_ )
- RACT Demonstration ( \_\_\_ / \_\_\_ / \_\_\_ )
- Regulatory Analysis Summary ( \_\_\_ / \_\_\_ / \_\_\_ )
- Results of SEQR Review ( \_\_\_ / \_\_\_ / \_\_\_ )
- Seed Mixture Recommendations ( \_\_\_ / \_\_\_ / \_\_\_ )
- Short Environmental Assessment Form ( \_\_\_ / \_\_\_ / \_\_\_ )
- Site Plan ( \_\_\_ / \_\_\_ / \_\_\_ )
- Solid Waste Annual Report Form ( \_\_\_ / \_\_\_ / \_\_\_ )
- SPDES Permit ( \_\_\_ / \_\_\_ / \_\_\_ )
- Stack Test Protocols/Reports ( \_\_\_ / \_\_\_ / \_\_\_ )
- Title IV Acid Rain Permit Application ( \_\_\_ / \_\_\_ / \_\_\_ )
- Transfer Form ( \_\_\_ / \_\_\_ / \_\_\_ )
- VOC RACT Compliance Plan ( \_\_\_ / \_\_\_ / \_\_\_ )
- Wood Waste Specifications ( \_\_\_ / \_\_\_ / \_\_\_ )

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### List of Exempt Activities

**Instructions**

Applicants for Title V facility permits must provide a listing of each exempt activity, as described in 6 NYCRR Part 201-3.2(c), that is currently operated at the facility. This form provides a means to fulfill this requirement.

In order to complete this form, enter the number and building location of each exempt activity. Building IDs used on this form should match those used in the Title V permit application. If a listed activity is not operated at the facility, leave the corresponding information blank.

Combustion			
Rule Citation 201-3.2(c)	Description	Number of Activities	Building Location
(1)	Stationary or portable combustion installations where the furnace has a maximum heat input capacity less than 10 mmBtu/hr burning fuels other than coal or wood; or a maximum heat input capacity of less than 1 mmBtu/hr burning coal or wood. This activity does not include combustion installations burning any material classified as solid waste, as defined in 6 NYCRR Part 360, or waste oil, as defined in 6 NYCRR Subpart 225-2.		
(2)	Space heaters burning waste oil at automotive service facilities, as defined in 6 NYCRR Subpart 225-2, generated on-site or at a facility under common control, alone or in conjunction with used oil generated by a do-it-yourself oil changer as defined in 6 NYCRR Subpart 374-2.		
(3)(i)	Stationary or portable internal combustion engines that are liquid or gaseous fuel powered and located within the New York City metropolitan area or the Orange County towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, or Woodbury, and have a maximum mechanical power rating of less than 200 brake horsepower.		
(3)(ii)	Stationary or portable internal combustion engines that are liquid or gaseous fuel powered and located outside of the New York City metropolitan area or the Orange County towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, or Woodbury, and have a maximum mechanical power rating of less than 400 brake horsepower.		
(3)(iii)	Stationary or portable internal combustion engines that are gasoline powered and have a maximum mechanical power rating of less than 50 brake horsepower.		
(4)	Reserved.		
(5)	Gas turbines with a heat input at peak load less than 10 mmBtu/hour		

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Rule Citation 201-3.2(c)	Description	Number of Activities	Building Location
(6)	Emergency power generating stationary internal combustion engines, as defined in 6 NYCRR Part 200.1(cq), and engine test cells at engine manufacturing facilities that are utilized for research and development, reliability performance testing, or quality assurance performance testing. Stationary internal combustion engines used for peak shaving and/or demand response programs are not exempt.		
<b>Combustion Related</b>			
(7)	Non-contact water cooling towers and water treatment systems for process cooling water and other water containers designed to cool, store or otherwise handle water that has not been in direct contact with gaseous or liquid process streams.		
<b>Agricultural</b>			
(8)	Feed and grain milling, cleaning, conveying, drying and storage operations including grain storage silos, where such silos exhaust to an appropriate emissions control device, excluding grain terminal elevators with permanent storage capacities over 2.5 million U.S. bushels, and grain storage elevators with capacities above one million bushels.		
(9)	Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.		
<b>Commercial - Food Service Industries</b>			
(10)	Flour silos at bakeries, provided all such silos are exhausted through an appropriate emission control device.		
(11)	Emissions from flavorings added to a food product where such flavors are manually added to the product.		
<b>Commercial - Graphic Arts</b>			
(12)	Screen printing inks/coatings or adhesives which are applied by a hand-held squeegee. A hand-held squeegee is one that is not propelled through the use of mechanical conveyance and is not an integral part of the screen printing process.		
(13)	Graphic arts processes at facilities located outside the New York City metropolitan area or the Orange County towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, or Woodbury whose facility-wide total emissions of volatile organic compounds from inks, coatings, adhesives, fountain solutions and cleaning solutions are less than three tons during any 12-month period.		

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Rule Citation 201-3.2(c)	Description	Number of Activities	Building Location
(14)	Graphic label and/or box labeling operations where the inks are applied by stamping or rolling.		
(15)	Graphic arts processes which are specifically exempted from regulation under 6 NYCRR Part 234, with respect to emissions of volatile organic compounds which are not given an A rating as described in 6 NYCRR Part 212.		
<b>Commercial - Other</b>			
(16)	Gasoline dispensing sites registered with the department pursuant to 6 NYCRR Part 612.		
(17)	Surface coating and related activities at facilities which use less than 25 gallons per month of total coating materials, or with actual volatile organic compound emissions of 1,000 pounds or less from coating materials in any 12-month period. Coating materials include all paints and paint components, other materials mixed with paints prior to application, and cleaning solvents, combined. This exemption is subject to the following:  (i) The facility is located outside of the New York City metropolitan area or the Orange County towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, or Woodbury; and  (ii) All abrasive cleaning and surface coating operations are performed in an enclosed building where such operations are exhausted into appropriate emission control devices.		
(18)	Abrasive cleaning operations which exhaust to an appropriate emission control device.		
(19)	Ultraviolet curing operations.		
<b>Municipal/Public Health Related</b>			
(20)	Landfill gas ventilating systems at landfills with design capacities less than 2.5 million megagrams (3.3 million tons) and 2.5 million cubic meters (2.75 million cubic yards), where the systems are vented directly to the atmosphere, and the ventilating system has been required by, and is operating under, the conditions of a valid 6 NYCRR Part 360 permit, or order on consent.		
<b>Storage Vessels</b>			
(21)	Distillate fuel oil, residual fuel oil, and liquid asphalt storage tanks with storage capacities below 300,000 barrels.	10	Basement



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Rule Citation 201-3.2(c)	Description	Number of Activities	Building Location
(22)	Pressurized fixed roof tanks which are capable of maintaining a working pressure at all times to prevent emissions of volatile organic compounds to the outdoor atmosphere.		
(23)	External floating roof tanks which are of welded construction and are equipped with a metallic-type shoe primary seal and a secondary seal from the top of the shoe seal to the tank wall.		
(24)	External floating roof tanks which are used for the storage of a petroleum or volatile organic liquid with a true vapor pressure less than 4.0 psi (27.6 kPa), are of welded construction and are equipped with one of the following:  (i) a metallic-type shoe seal;  (ii) a liquid-mounted foam seal;  (iii) a liquid-mounted liquid-filled type seal; or  (iv) equivalent control equipment or device.		
(25)	Storage tanks, including petroleum liquid storage tanks as defined in 6 NYCRR Part 229, with capacities less than 10,000 gallons, except those subject to 6 NYCRR Part 229 or Part 233.		
(26)	Horizontal petroleum or volatile organic liquid storage tanks.		
(27)	Storage silos storing solid materials, provided all such silos are exhausted through an appropriate emission control device. This exemption does not include raw material, clinker, or finished product storage silos at Portland cement plants.		
<b>Industrial</b>			
(28)	Processing equipment at existing sand and gravel and stone crushing plants which were installed or constructed before August 31, 1983, where water is used for operations such as wet conveying, separating, and washing. This exemption does not include processing equipment at existing sand and gravel and stone crushing plants where water is used for dust suppression.		
(29)(i)	Sand and gravel processing or crushed stone processing lines at a non-metallic mineral processing facility that are a permanent or fixed installation with a maximum rated processing capacity of 25 tons of minerals per hour or less.		

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Rule Citation 201-3.2(c)	Description	Number of Activities	Building Location
(29)(ii)	Sand and gravel processing or crushed stone processing lines at a non-metallic mineral processing facility that are a portable emission source with a maximum rated processing capacity of 150 tons of minerals per hour or less.		
(29)(iii)	Sand and gravel processing or crushed stone processing lines at a non-metallic mineral processing facility that are used exclusively to screen minerals at a facility where no crushing or grinding takes place.		
(30)	Reserved.		
(31)	Surface coating operations which are specifically exempted from regulation under 6 NYCRR Part 228, with respect to emissions of volatile organic compounds which are not given an A rating pursuant to 6 NYCRR Part 212.		
(32)	Pharmaceutical tablet branding operations.		
(33)	Thermal packaging operations, including, but not limited to, thermal image labeling, blister packing, shrink wrapping, shrink banding, and carton gluing.		
(34)	Powder coating operations.		
(35)	All tumblers used for the cleaning and/or deburring of metal products without abrasive blasting.		
(36)	Presses used exclusively for molding or extruding plastics except where halogenated carbon compounds or hydrocarbon solvents are used as foaming agents.		
(37)	Concrete batch plants where the cement weigh hopper and all bulk storage silos are exhausted through fabric filters, and the batch drop point is controlled by a shroud or other emission control device.		
(38)	Cement storage operations not located at Portland cement plants where materials are transported by screw or bucket conveyors.		
(39)(i)	Cold cleaning degreasers with an open surface area of 11 square feet or less and an internal volume of 93 gallons or less or, having an organic solvent loss of 3 gallons per day or less.	1	Basement
39(ii)	Cold cleaning degreasers that use a solvent with a VOC content of five percent or less by weight, unless subject to the requirements of 40 CFR 63 Subpart T.		

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Rule Citation 201-3.2(c)	Description	Number of Activities	Building Location
(39)(iii)	Conveyorized degreasers with an air/vapor interface smaller than 22 square feet (2 square meters), unless subject to the requirements of 40 CFR 63 Subpart T.		
(39)(iv)	Open-top vapor degreasers with an open-top area smaller than 11 square feet (1 square meter), unless subject to the requirements of 40 CFR 63 Subpart T.		
<b>Miscellaneous</b>			
(40)	Ventilating and exhaust systems for laboratory operations. Laboratory operations do not include processes having a primary purpose to produce commercial quantities of materials.		
(41)	Exhaust or ventilating systems for the melting of gold, silver, platinum and other precious metals.		
(42)	Exhaust systems for paint mixing, transfer, filling or sampling and/or paint storage rooms or cabinets, provided the paints stored within these locations are stored in closed containers when not in use.		
(43)	Exhaust systems for solvent transfer, filling or sampling, and/or solvent storage rooms provided the solvent stored within these locations are stored in containers when not in use.		
(44)	Research and development activities, including both stand-alone and activities within a major facility, until such time as the administrator completes a rule making to determine how the permitting program should be structured for these activities.		
(45)	The application of odor counteractants and/or neutralizers.	1	Adjacent to the Fuel Oil Tanks
(46)	Hydrogen fuel cells.		
(47)	Dry cleaning equipment that uses only water-based cleaning processes or those using liquid carbon dioxide.		
(48)	Manure spreading, handling and storage at farms and agricultural facilities.		



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		Methods Used to Determine Compliance	
Emission Unit ID	Applicable Requirement	Method Used to Determine Compliance	Compliance Date
Facility	6 NYCRR 201-6.5 (c)(3)(ii)	Semi-annual monitoring reports will be submitted for this facility	January 30 and July 30 Yearly
Facility	6 NYCRR 201-6.5(e)	Annual certification will be submitted for this facility.	January 30, yearly
Facility	6 NYCRR 202-2.1	Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.	April 15, yearly
Facility	6 NYCRR 207	This facility has an episode action plan dated June 19, 2007. It will be followed if an air pollution episode is declared.	Submitted to the Department
Facility	6 NYCRR 225-1.8	Monthly reports of fuel usage data will submitted	30 days after monthly period
Facility	6 NYCRR 225-1.2(a)(2)	Sulfur content in deliveries of distillate will be determined to ensure 0.0015% of sulfur limit.	Monitoring as per delivery
Facility	6 NYCRR 225-1.2(a)(3)	Sulfur content in deliveries of residual oil will be determined to ensure 0.30% of sulfur limit	Monitoring as per delivery
5-90005	6 NYCRR 227-2(b)(1)	Stack test for particulate emissions will be conducted once per term of the permit to ensure compliance with the 0.10 lb/MMBtu emission rate.	Stack test report due 30 days after the test date
Facility	6 NYCRR 227-2.5(b)	CEMS at the facility and compliance with the NO <sub>x</sub> RACT Operating and Compliance Plans to ensure compliance with the limit over an annual compliance period. Interim quarterly reports submitted.	Quarterly reports submitted to the Department
5-90005	6 NYCRR 227-1.3	Daily observations of the GT stack will be conducted, and recorded, during its operation when firing distillate oil only	Report of monitoring quarterly, if necessary