

# New York State Department of Environmental Conservation Air Permit Application



DEC ID									
4	-	4	3	5	0	-	0	0	8

APPLICATION ID OFFICE USE ONLY											
-									/		//

## 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	Paul R. Amato	JTB 7/24/13	Title	Vice President, Engineering and Operations
Signature			Date	7 / 25 / 13

### State Facility Certification

I certify that this facility will be operated in conformance with all provisions of existing regulations.

Responsible Official	Title
Signature	Date

## Section II - Identification Information

Title V Facility Permit		State Facility Permit	
<input checked="" type="checkbox"/> New	<input type="checkbox"/> Significant Modification	<input type="checkbox"/> New	<input type="checkbox"/> Modification
<input type="checkbox"/> Renewal	<input type="checkbox"/> Minor Modification	General Permit Title:	
Application involves construction of new facility		<input checked="" type="checkbox"/> Application involves construction of new emission unit(s)	

### Owner/Firm

Name	Iroquois Pipeline Operating Company		
Street Address	One Corporate Drive, Suite 600		
City	Shelton	State	CT
Country	USA	Zip	06484
Owner Classification	Federal	State	Municipal
	<input checked="" type="checkbox"/> Corporation/Partnership	Individual	
Taxpayer ID		0 6 1 2 8 5 3 8 7	

### Facility Confidential

Name	Wright Compressor Station
Location Address	330 Westfall Rd
City / x Town / Village	Wright
Zip	12053

### Project Description Continuation Sheet(s)

Install two additional natural gas-fueled simple-cycle combustion turbines to drive natural gas pipeline compressors and one natural gas-fueled emergency power generator engine at this existing minor source compressor station.

The proposed turbines are to be Solar Taurus 70 SoLoNOx models rated approximately 11,000 net output horsepower each. The proposed emergency generator engine would be rated no larger than 940 kilowatts.

# New York State Department of Environmental Conservation Air Permit Application



DEC ID											
4	-	4	3	5	0	-	0	0	0	0	8

APPLICATION ID OFFICE USE ONLY											
-						-				/	//

Owner/Firm Contact Mailing Address			
Name (Last, First, Middle Initial)		Barnes, James, T.	
Affiliation		Company	
Title		Mgr. Environmental Health and Safety	
Phone No. ( 203 )		944-7023	
Fax No. ( 203 )		925-7213	
Street Address One Corporate Drive, Suite 600			
City	Shelton	State	CT
Country	USA	Zip	06484
Facility Contact Mailing Address			
Name (Last, First, Middle Initial)		Barnes, James, T.	
Affiliation		Company	
Title		Mgr. Environmental Health and Safety	
Phone No. ( 203 )		944-7023	
Fax No. ( 203 )		925-7213	
Street Address One Corporate Drive, Suite 600			
City	Shelton	State	CT
Country	USA	Zip	06484

## Section III - Facility Information

Classification			
<input type="checkbox"/> Hospital	<input type="checkbox"/> Residential	<input type="checkbox"/> Educational/Institutional	<input type="checkbox"/> Commercial
<input type="checkbox"/> Industrial	<input checked="" type="checkbox"/> Utility		

Affected States (Title V Only)			
<input checked="" type="checkbox"/> Vermont	<input checked="" type="checkbox"/> Massachusetts	<input type="checkbox"/> Rhode Island	<input type="checkbox"/> Pennsylvania
<input checked="" type="checkbox"/> New Hampshire	<input type="checkbox"/> Connecticut	<input type="checkbox"/> New Jersey	<input type="checkbox"/> Ohio
Tribal Land:		None	
Tribal Land:		None	

SIC Codes											
4922											

Facility Description	
<input type="checkbox"/> Continuation Sheet(s)	
Interstate natural gas pipeline compressor station.	

Compliance Statements (Title V Only)	
<p>I certify that as of the date of this application the facility is in compliance with all applicable requirements: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>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 &gt;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 <u>in compliance</u> with all applicable requirements complete the following:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> This facility will continue to be operated and maintained in such a manner as to assure compliance for the duration of the permit, except those units referenced in the compliance plan portion of Section IV of this application.</li> <li><input checked="" type="checkbox"/> 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.</li> <li><input checked="" type="checkbox"/> 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 the status.</li> </ul>	

# New York State Department of Environmental Conservation

## Air Permit Application



DEC ID										
4	-	4	3	5	0	-	0	0	0	8

### Facility Applicable Federal Requirements x Continuation Sheet(s)

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
40	CFR	60	A	60.7 and 60.8 Standards of Performance (notification, record-keeping and performance testing)					
40	CFR	60	GG	Standards of Performance, Stationary Gas Turbines Prior to February 18, 2005					
40	CFR	60	KKKK	Standards of Performance, Stationary Combustion Turbines After February 18, 2005					
40	CFR	63	ZZZZ	National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines					
40	CFR	60	JJJJ	Standards of Performance, Stationary Spark Ignition Internal Combustion Engines					

### Facility State Only Requirements □ Continuation Sheet(s)

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
All applicable State air pollution control regulations appear in New York's State Implementation Plan (SIP), and therefore are not State-only requirements as defined in the air permit application instructions.									

## Section III - Facility Information (continued)

### Facility Compliance Certification □ Continuation Sheet(s) NOT APPLICABLE

Rule Citation									
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
<input type="checkbox"/> Applicable Federal Requirement <input type="checkbox"/> State Only Requirement		<input type="checkbox"/> Capping		CAS No.		Contaminant Name			
				-					
Monitoring Information									
<input type="checkbox"/> Ambient Air Monitoring <input type="checkbox"/> Work Practice Involving Specific Operations <input type="checkbox"/> Record Keeping/Maintenance Procedures									
Description									
<b>Completion of this section is not required, because no facility-level monitoring strategy is being proposed to comply with a listed applicable federal or State-only requirement, which (a) does not specify but necessitates a detailed method of compliance monitoring, or (b) which is an alternate compliance monitoring plan in lieu of one listed in a requirement.</b>									
Work Practice Type		Code		Process Material Description				Reference Test Method	
Parameter		Code		Description				Manufacturer Name/Model No.	
Limit		Upper		Lower		Code		Limit Units Description	
Averaging Method		Code		Description		Monitoring Frequency		Code Description	
Reporting Requirements		Code		Description		Code		Description	

# New York State Department of Environmental Conservation

## Air Permit Application



DEC ID									
4	-	4	3	5	0	-	0	0	0
8									

Facility Emissions Summary <input type="checkbox"/> Continuation Sheet(s)					PTE		Actual (lbs/yr)
CAS No.	Contaminant Name				(lbs/yr)	Range Code	
NY075 - 0 - 5 0	PM-10					C	2,300
NY075 - 0 - 0 0	PARTICULATES					C	2,300
7446 - 0 - 5 9	SULFUR DIOXIDE					A	300
NY210 - 0 - 0 0	OXIDES OF NITROGEN					F	26,000
630 - 0 - 0 8	CARBON MONOXIDE					G	15,200
7439 - 9 - 1 2	LEAD					Y	0.005
NY998 - 0 - 0 0	VOC					B	6,900
NY100 - 0 - 0 0	Combined HAPs					B	3,800
50 - 0 - 0 0	Formaldehyde (largest HAP)					Y	800
124 - 3 - 9 8	Carbon Dioxide equivalent Greenhouse Gases					H	47,057,200
-	Actual pounds per year values are rounded up to the nearest 100 pounds(except miniscule lead value)						
-	Actual emissions from exempt and trivial activities are assumed equal to potential emissions						
-							

### Section IV - Emission Unit Information

Emission Unit Description										<input type="checkbox"/> Continuation Sheet(s)
EMISSION UNIT	1	-	0	0	0	0	1	The emission unit is the natural gas pipeline compressor station facility. It will be com-		
prised of two existing natural gas combustion turbines of about 7,000 horsepower each, and two proposed similar turbines of about										
11,000 horsepower each. The emission unit also will include one existing and one proposed exempt natural gas emergency power										
generator reciprocating engines and several small trivial or exempt domestic water and space heaters, compressor gas seals and										
natural gas odorant application facilities.										

Building√Continuation Sheet(s)				
Building	Building Name	Length (ft)	Width (ft)	Orientation
00009	Unit #1 Compressor Building	Optional data omitted. See modeling report and drawings for building ID numbers, locations and dimensions. Other buildings, not listed here, are associated with trivial or exempt air pollutant sources, as shown the List of Exempt Activities.		
00010	Unit #2 Compressor Building			
00013	Control/Utility Building			
00028	Auxiliary Building			

# New York State Department of Environmental Conservation

## Air Permit Application



DEC ID									
4	-	4	3	5	0	-	0	0	0
8									

Emission Point ✓ Continuation Sheet(s) (Exempt and trivial emission points shown on drawings are not listed here.)										
EMISSION PT.		0	0	0	0	1	Approximately 7,000 HP Simple-Cycle Low NOx Natural Gas-Fueled Combustion Turbine			
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (EF)	Cross Section		Length (in)	Width (in)		
1,246	40.5	8.25	36.2	842			NA	NA		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building			Distance to Property Line (ft)	Date of Removal		
241.2	103,385	optional	optional	00009			405	NA		
EMISSION PT.		0	0	0	0	2	Approximately 7,000 HP Simple-Cycle Low NOx Natural Gas-Fueled Combustion Turbine			
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (EF)	Cross Section		Length (in)	Width (in)		
1,246	40.5	8.25	36.2	842			NA	NA		
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building			Distance to Property Line (ft)	Date of Removal		
241.2	103,385	Optional	optional	00011			432	NA		

Emission Source/Control √Continuation Sheet(s)								
Emission Source		Date of Construction	Date of Operation	Date of Removal	Control Type		Manufacturer=s Name/Model No.	
ID	Type				Code	Description		
00001	C	04/02	06/02	NA	103	Dry low NOx combustor (SoLoNOx)	Solar Turbines, Inc. Taurus 60 Model	
Design Capacity	Design Capacity Units				Waste Feed		Waste Type	
	Code	Description			Code	Description	Code	Description
60	25				NA	NA	NA	NA
Emission Source		Date of Construction	Date of Operation	Date of Removal	Control Type		Manufacturer=s Name/Model No.	
ID	Type				Code	Description		
00002	C	04/02	05/02	NA	103	Dry low NOx combustor (SoLoNOx)	Solar Turbines, Inc. Taurus 60 Model	
Design Capacity	Design Capacity Units				Waste Feed		Waste Type	
	Code	Description			Code	Description	Code	Description
60	25				NA	NA	NA	NA

### Section IV - Emission Unit Information (continued)

Process Information <input type="checkbox"/> Continuation Sheet(s)									
EMISSION UNIT	1	-	0	0	0	0	1	PROCESS	0 0 1
Description									
This "process" includes two existing 7 simple-cycle natural gas-fueled combustion turbines used to drive natural gas pipeline compressors. Both existing turbines' maximum NOx concentration would be 25 parts per million by volume on a dry basis. These are approximately 7,000 horsepower units. They are regulated under 40 CFR 60 Subpart GG.									

# New York State Department of Environmental Conservation

## Air Permit Application



DEC ID										
4	-	4	3	5	0	-	0	0	0	8

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units			
	Quantity/Hr	Quantity/Yr	Code	Description		
20100201	120	1,050,000	199	Million BTUs		
<input type="checkbox"/> Confidential <input checked="" type="checkbox"/> Operating at Maximum Capacity <input type="checkbox"/> Activity with Insignificant Emissions	Operating Schedule		Building(s)	Floor/Location		
	Hrs/Day	Days/Yr				
		24	365	00009 and 00011	1	
Emission Source/Control Identifier(s)						
00001	00002					

EMISSION UNIT	1	-	0	0	0	0	0	1		PROCESS	0	0	2
---------------	---	---	---	---	---	---	---	---	--	---------	---	---	---

Description													
This "process" includes two proposed simple-cycle natural gas-fueled combustion turbines used to drive natural gas pipeline compressors. Both proposed turbines' maximum NOx concentration would be 15 parts per million by volume on a dry basis. These are approximately 11,000 horsepower units. They are regulated under 40 CFR 60 Subpart KKKK.													

Source Classification Code (SCC)	Total Thruput		Thruput Quantity Units			
	Quantity/Hr	Quantity/Yr	Code	Description		
20100201	170	1,490,000	199			
<input type="checkbox"/> Confidential <input type="checkbox"/> Operating at Maximum Capacity <input type="checkbox"/> Activity with Insignificant Emissions	Operating Schedule		Building	Floor/Location		
	Hrs/Day	Days/Yr				
		24	365	00031	1	
Emission Source/Control Identifier(s)						
00032	00033					

# New York State Department of Environmental Conservation

## Air Permit Application



DEC ID									
4	-	4	3	5	0	-	0	0	0
8									

### Section IV - Emission Unit Information (continued)

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements <input checked="" type="checkbox"/> Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause
1- 00001	00001	001	00001	40	CFR	60	A	60.7 and 60.8					
1- 00001	00002	001	00002	40	CFR	60	A						
1- 00001	00032	002	00032	40	CFR	60	A						
1- 00001	00033	002	00033	40	CFR	60	A						
1- 00001	00001	001	00001	40	CFR	60	GG						

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements <input type="checkbox"/> Continuation Sheet(s)									
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause
-													
-	All applicable State air pollution control regulations appear in New York's State Implementation Plan (SIP), and therefore are not State-only requirements.												
-													

Emission Unit Compliance Certification <input type="checkbox"/> Continuation Sheet(s)										
Rule Citation										
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause	
40	CFR	60 (and 63)	JJJJ (and ZZZZ)							
6	NYCRR	201	3.2							
<input checked="" type="checkbox"/> Applicable Federal Requirement						<input type="checkbox"/> State Only Requirement			<input type="checkbox"/> Capping	
Emission Unit	Emission Point	Process	Emission Source	CAS No.		Contaminant Name				
1 -00001	00029	003	00029	- -		NOT APPLICABLE				
Monitoring Information										
<input type="checkbox"/> Continuous Emission Monitoring <input type="checkbox"/> Intermittent Emission Testing <input type="checkbox"/> Ambient Air Monitoring				<input type="checkbox"/> Monitoring of Process or Control Device Parameters as Surrogate <input checked="" type="checkbox"/> Work Practice Involving Specific Operations <input checked="" type="checkbox"/> Record Keeping/Maintenance Procedures						
Description										
The proposed emergency power generator engine will be limited to no more than 100 hours of non-emergency operation (e.g. routine testing and maintenance, etc.) per 12-month rolling period per 40 CFR 60 Subpart JJJJ (and equivalent 40 CFR 63 Subpart ZZZZ). It also will be limited to the 500 hour per rolling 12 month period combined emergency and non-emergency operation limit for exemption under 6NYCRR 201-3.2 from individual air permit requirements.										
Work Practice		Process Material				Reference Test Method				
Type	Code	Description								
		NOT APPLICABLE								
Parameter		Description				Manufacturer Name/Model No.				
Code	NA	Operating hours per 12-month rolling period								
Limit		Limit Units								
Upper	Lower	Code		Description						
500 (and 100)	none	17		combined hours (and non-emergency hours)						
Averaging Method		Monitoring Frequency				Reporting Requirements				
Code	Description	Code	Description	Code	Description					
17	12 month rolling total	17	monthly			Annual certifications and semi-annual monitoring reports				

# New York State Department of Environmental Conservation

## Air Permit Application



DEC ID									
4	-	4	3	5	0	-	0	0	0
8									

### Section IV - Emission Unit Information (continued)

#### Determination of Non-Applicability (Title V Only) ☐ Continuation Sheet(s) **NOT APPLICABLE**

Rule Citation									
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
Emission Unit	Emission Point	Process	Emission Source		<input type="checkbox"/> Applicable Federal Requirement <input type="checkbox"/> State Only Requirement				
-									
Description									

Rule Citation									
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
Emission Unit	Emission Point	Process	Emission Source		<input type="checkbox"/> Applicable Federal Requirement <input type="checkbox"/> State Only Requirement				
-									
Description									

#### Process Emissions Summary ☐ Continuation Sheet(s) **(NOx IS THE ONLY FEDERAL CONTAMINANT LIMIT)**

EMISSION UNIT	1	-	0	0	0	0	1	PROCESS	0	0	1
CAS No.	Contaminant Name				% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined		
NY210 - 00 - 0	Nitrogen oxides				0.0025	100	0	11.8	09		
PTE				Standard Units	PTE How Determined	Actual					
(lbs/hr)	(lbs/yr)	(standard units)	(lbs/hr)			(lbs/yr)					
11.8	103,200	25	275	09	9.4	20,231					

EMISSION UNIT	1	-	0	0	0	0	1	PROCESS	0	0	2
CAS No.	Contaminant Name				% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined		
NY210 - 00 - 0	Nitrogen oxides				0.0015	100	0	10.0	09		
PTE				Standard Units	PTE How Determined	Actual					
(lbs/hr)	(lbs/yr)	(standard units)	(lbs/hr)			(lbs/yr)					
10.0	87,425	15	275	09	NA	NA					

EMISSION UNIT											
CAS No.	Contaminant Name				% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined		
-											
PTE				Standard Units	PTE How Determined	Actual					
(lbs/hr)	(lbs/yr)	(standard units)	(lbs/hr)			(lbs/yr)					



DEC ID										
4	-	4	3	5	0	-	0	0	0	8

## Section IV - Emission Unit Information (continued)

EMISSION UNIT								Emission Unit Emissions Summary <span>☐ Continuation Sheet(s)</span>			
1	-	0	0	0	0	1					
CAS No.								Contaminant Name			
124 - 38 - 9								Carbon Dioxide equivalent (Combined Greenhouse Gases)			
ERP (lbs/yr)								PTE Emissions		Actual	
								(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
300,610,100								34,400	300,610,100	21,900	47,057,200
CAS No.								Contaminant Name			
- -											
ERP (lbs/yr)								PTE Emissions		Actual	
								(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS No.								Contaminant Name			
- -											
ERP (lbs/yr)								PTE Emissions		Actual	
								(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS No.								Contaminant Name			
- -											
ERP (lbs/yr)								PTE Emissions		Actual	
								(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)
CAS No.								Contaminant Name			
- -											
ERP (lbs/yr)								PTE Emissions		Actual	
								(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)

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# New York State Department of Environmental Conservation Air Permit Application



DEC ID										
4	-	4	3	5	0	-	0	0	0	8

## Section IV - Emission Unit Information (continued)

Request for Emission Reduction Credits <input type="checkbox"/> Continuation Sheet(s) (NOT REQUIRED)																													
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	-																												
Emission Reduction Description																													
Contaminant Emission Reduction Data																													
Baseline Period ____ / ____ / ____ to ____ / ____ / ____						Reduction																							
						Date ____ / ____ / ____		Method																					
CAS No.		Contaminant Name				ERC (lbs/yr)																							
						Netting		Offset																					
- -																													
- -																													
- -																													
- -																													
Facility to Use Future Reduction																													
Name 						APPLICATION ID <table border="1"><tr><td></td><td>-</td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td>/</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>						-					-					/							
	-					-					/																		
Location Address																													
<input type="checkbox"/> City / <input type="checkbox"/> Town / <input type="checkbox"/> Village						State			Zip																				

Use of Emission Reduction Credits <input type="checkbox"/> Continuation Sheet(s) (NOT REQUIRED)																													
EMISSION UNIT <table border="1"><tr><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>												-																	
	-																												
Proposed Project Description																													
Contaminant Emissions Increase Data																													
CAS No.		Contaminant Name				PEP (lbs/yr)																							
- -																													
Statement of Compliance																													
<input type="checkbox"/> All facilities under the ownership of this ownership/firm are operating in compliance with all applicable requirements and state regulations including any compliance certification requirements under Section 114(a)(3) of the Clean Air Act Amendments of 1990, or are meeting the schedule of a consent order.																													
Source of Emission Reduction Credit - Facility																													
Name 						PERMIT ID <table border="1"><tr><td></td><td>-</td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td>/</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>						-					-					/							
	-					-					/																		
Location Address																													
<input type="checkbox"/> City / <input type="checkbox"/> Town / <input type="checkbox"/> Village						State			Zip																				
Emission Unit	CAS No.	Contaminant Name				ERC (lbs/yr)																							
						Netting		Offset																					
-	- -																												
-	- -																												
-	- -																												

DEC ID										
4	-	4	3	5	0	-	0	0	0	8

## Supporting Documentation

- [illegible]

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[illegible]

4	-	4	3	5	0	-	0	0	0	0	8
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## Section IV - Emission Unit Information

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# New York State Department of Environmental Conservation

## Air Permit Application



DEC ID									
4	-	4	3	5	0	-	0	0	8

### Section IV - Emission Unit Information

Emission Point (continuation) (Other exempt and trivial emission points shown on drawings are not listed here.)											
EMISSION UNIT	1	-	0	0	0	0	1			EMISSION PT.	0 0 0 3 2
Ground Elev. (ft)		Height (ft)		Height Above Structure (ft)		Inside Diameter (in)		Exit Temp. (EF)		Cross Section	
										Length (in)	Width (in)
1,240		60		5.3		72		881		NA	NA
Exit Velocity (FPS)		Exit Flow (ACFM)		NYTM (E) (KM)		NYTM (N) (KM)		Building		Distance to Property Line (ft)	Date of Removal
81.4		138,030		See drawing		See drawing		00031		553	NA
EMISSION UNIT	1	-	0	0	0	0	1			EMISSION PT.	0 0 0 3 3
Ground Elev. (ft)		Height (ft)		Height Above Structure (ft)		Inside Diameter (in)		Exit Temp. (EF)		Cross Section	
										Length (in)	Width (in)
1,240		60		5.3		72		881		NA	NA
Exit Velocity (FPS)		Exit Flow (ACFM)		NYTM (E) (KM)		NYTM (N) (KM)		Building		Distance to Property Line (ft)	Date of Removal
81.4		138,030		See drawing		See drawing		00031		500	NA
EMISSION UNIT	1	-	0	0	0	0	1			EMISSION PT.	0 0 0 0 3
Ground Elev. (ft)		Height (ft)		Height Above Structure (ft)		Inside Diameter (in)		Exit Temp. (EF)		Cross Section	
										Length (in)	Width (in)
1,249		10.25		-13.25		6		1,000		NA	NA
Exit Velocity (FPS)		Exit Flow (ACFM)		NYTM (E) (KM)		NYTM (N) (KM)		Building		Distance to Property Line (ft)	Date of Removal
120		1,400		See drawing		See drawing		00013		333	NA
EMISSION UNIT	1	-	0	0	0	0	1			EMISSION PT.	0 0 0 2 9
Ground Elev. (ft)		Height (ft)		Height Above Structure (ft)		Inside Diameter (in)		Exit Temp. (EF)		Cross Section	
										Length (in)	Width (in)
1,240		25		-1.7		12		1,135		NA	NA
Exit Velocity (FPS)		Exit Flow (ACFM)		NYTM (E) (KM)		NYTM (N) (KM)		Building		Distance to Property Line (ft)	Date of Removal
130		6,100		See drawing		See drawing		00028		530	NA
EMISSION UNIT		-								EMISSION PT.	
Ground Elev. (ft)		Height (ft)		Height Above Structure (ft)		Inside Diameter (in)		Exit Temp. (EF)		Cross Section	
										Length (in)	Width (in)
Exit Velocity (FPS)		Exit Flow (ACFM)		NYTM (E) (KM)		NYTM (N) (KM)		Building		Distance to Property Line (ft)	Date of Removal
EMISSION UNIT		-								EMISSION PT.	
Ground Elev. (ft)		Height (ft)		Height Above Structure (ft)		Inside Diameter (in)		Exit Temp. (EF)		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

# New York State Department of Environmental Conservation

## Air Permit Application



DEC ID									
4	-	4	3	5	0	-	0	0	0
8									

### Section IV - Emission Unit Information

EMISSION UNIT		Emission Source/Control (continuation)						
ID	Type	Date of Construction	Date of Operation	Date of Removal	Code	Description	Manufacturer=s Name/Model No.	
00032	C	proposed	NA	NA	103	Dry low NOx combustor (SoLoNOx)	Solar Turbines, Inc. Taurus 70 Model	
Design Capacity	Code	Design Capacity Units Description			Code	Waste Feed Description	Code	Waste Type Description
85	25				NA	NA	NA	NA
00033	C	proposed	NA	NA	103	Dry low NOx combustor (SoLoNOx)	Solar Turbines, Inc. Taurus 70 Model	
Design Capacity	Code	Design Capacity Units Description			Code	Waste Feed Description	Code	Waste Type Description
85	25				NA	NA	NA	NA
00003	C	04/02	05/02	NA	NA		Waukesha	
Design Capacity	Code	Design Capacity Units Description			Code	Waste Feed Description	Code	Waste Type Description
3.353	25				NA		NA	
00029	C	Proposed	NA	NA	110	Oxidation catalyst	Waukesha (or equal)	
Design Capacity	Code	Design Capacity Units Description			Code	Waste Feed Description	Code	Waste Type Description
12.605	25				NA		NA	
Design Capacity	Code	Design Capacity Units Description			Code	Waste Feed Description	Code	Waste Type Description
Design Capacity	Code	Design Capacity Units Description			Code	Waste Feed Description	Code	Waste Type Description

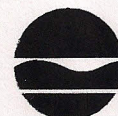




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**New York State Department of Environmental Conservation  
Air Permit Application**



DEC ID										
4	-	4	3	5	0	-	0	0	0	8

**P.E. 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.

This is defined as the performance of a professional service such as consultation, investigation, evaluation, planning, design or supervision of construction or operation in connection with any utilities, structures, buildings, machines, equipment, processes, works, or projects wherein the safeguarding of life, health and property is concerned, when such service or work requires the application of engineering principals and data. Based on my inquiry of those individuals with primary responsibility for obtaining such information, I certify that the statements and information are to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name of P.E.

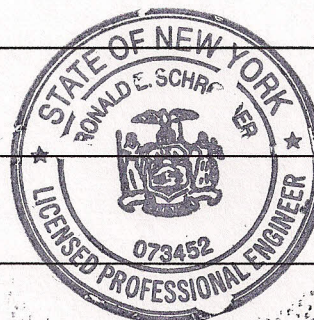
Ronald E. Schroeder

Signature of P.E.

Date July / 26 / 2013

NYS License No.

073452



Phone ( 401 ) 396-9481



# New York State Department of Environmental Conservation

## Air Permit Application



DEC ID									
-					-				

### List of Exempt Activities (from NYCRR Part 201)

#### Instructions for Completing Table

Applicants for Title V permits are required to provide a list of exempt activities in the application form. This includes all process or production units and other emission generating activities which are considered exempt as defined by 6 NYCRR Part 301-3.2. Completion of this table fulfills that requirement.

To complete the table, provide the following information for each exempt activity that occurs at the facility defined by this application:

- The approximate number of each listed activity, and,
- For location of the activity enter the building ID(s) used in the main application form. Use the building name if a building ID(s) has not been assigned.

If a listed activity does not occur at the facility, leave blank.

#### Combustion

Rule Citation 201-3.2(c)	Description	No. of Activities (approx.)	Building Location
(1)	stationary or portable combustion installations where the furnace has a maximum rated heat input capacity <10mmBtu/hr burning fossil fuels, other than coal, and coal and wood fired stationary combustion units with a maximum heat input <1mmBtu/hr. - this includes unit space heaters, which burn waste oils as defined in 6 NYCRR Part 225-2 and generated on-site, alone or in conjunction with used oil generated by a do-it-yourself oil changer as defined in 6 NYCRR Subpart 374-2	8	00013
(2)	stationary or portable combustion installations located outside of any severe ozone non-attainment areas, where the furnace has a maximum rated heat input capacity <20 mmBtu/hr burning fossil fuels other than coal, where the construction of the combustion installation commenced before 6/8/89		
(3)(i)	diesel or natural gas powered stationary or portable internal combustion (IC) engines within any severe ozone non-attainment area having a maximum mechanical power rating <225bhp		
(3)(ii)	diesel or natural gas powered stationary or portable IC engines located outside of any severe ozone non-attainment areas having a maximum mechanical power rating <400 bhp		
(3)(iii)	gasoline powered IC engines having a maximum mechanical power rating <50bhp		
(4)	stationary or portable IC engines which are temporarily located at a facility for a period ≤30 days/calendar year, where the total combined maximum mechanical power rating for all affected units is <1000bhp		
(5)	gas turbines with a heat input at peak load <10mmBtu/hr		
(6)	emergency power generating units installed for use when the usual sources of heat, power, water and lighting are temporarily unobtainable, or which are installed to provide power <500 hrs/yr and excluding those units under contract w/ a utility to provide peak shaving generation to the grid	1 + 1	00013 + 00036

#### Combustion-Related

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



DEC ID									
-					-				

**List of Exempt Activities (from NYCRR Part 201)**

Agricultural			
Rule Citation 201-3.2(c)	Description	No. of Activities (approx.)	Building Location
(8)	feed and grain milling, cleaning, conveying, drying and storage operations including grain storage silos, where such silos exhaust to an appropriate emission control device, excluding grain terminal elevators with permanent storage capacities over 2.5 million US bushels, and grain storage elevators with capacities above 1 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		
Commercial-Food Service Industries			
(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		
Commercial-Graphic Arts			
(12)	screen printing inks/coatings or adhesives which are applied by a hand-held squeegee (i.e. one that is not propelled thru 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 NYC metropolitan area whose facility-wide total emissions or VOC's from inks, coatings, adhesives, fountain solutions and cleaning solutions does not exceed 20 lbs/day		
(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 Part 234 with regard to emissions of VOC's which are not given an A rating		
Commercial-Other			
(16)	gasoline dispensing sites with an annual thruput <120,000 gal located outside any severe non-attainment areas		
(17)	surface coating related operations which use less than 25 gal/mo of coating materials (paints) and cleaning solvents, combined, subject to the following: <ul style="list-style-type: none"> <li>- the facility is located outside of severe ozone non-attainment area</li> <li>- all abrasive cleaning and surface coating operations are performed in an enclosed building where such operations are exhausted into appropriate emission control devices</li> </ul>		
(18)	abrasive cleaning operations which exhaust to an appropriate emission control device		
(19)	ultraviolet curing operations		
Municipal/Public Health Related			
(20)	ventilating systems for landfill gases, 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 Part 360 permit, or Order on Consent		

# New York State Department of Environmental Conservation

## Air Permit Application



DEC ID									
-					-				

### List of Exempt Activities (from NYCRR Part 201)

Storage Vessels			
Rule Citation 201-3.2(c)	Description	No. of Activities (approx.)	Building Location
(21)	distillate and residual fuel oil storage tanks with storage capacities <300,000 bbls		
(22)	pressurized fixed roof tanks which are capable of maintaining a working pressure at all times to prevent emissions of VOC's 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)(i)	external floating roof tanks which are used for the storage of a petroleum or volatile organic liquid with a true vapor pressure <4.0 psi (27.6 kPa), are of welded construction and are equipped with a <i>metallic-type shoe seal</i>		
(24)(ii)	external floating roof tanks which are used for the storage of a petroleum or volatile organic liquid with a true vapor pressure <4.0 psi (27.6 kPa), are of welded construction and are equipped with a <i>liquid-mounted foam seal</i>		
(24)(iii)	external floating roof tanks which are used for the storage of a petroleum or volatile organic liquid with a true vapor pressure <4.0 psi (27.6 kPa), are of welded construction and are equipped with a <i>liquid-mounted liquid-filled type seal</i>		
(24)(iv)	external floating roof tanks which are used for the storage of a petroleum or volatile organic liquid with a true vapor pressure <4.0 psi (27.6 kPa), are of welded construction and are equipped with a <i>control equipment or device equivalent to those previously listed in items (24) (i) thru (iii)</i>		
(25)	storage tanks, with capacities <10,000 gal, except those subject to either Part 229 or Part 233		
(26)	horizontal petroleum storage tanks		
(27)	storage silos storing solid materials, provided all such silos are exhausted thru an appropriate emission control device		
Industrial			
(28)	processing equipment at existing sand and gravel and stone crushing plants which were installed or constructed before 8/31/83, where water is used other than for dust suppression, such as wet conveying, separating and washing		
(29)(i)	all processing equipment at sand and gravel mines or quarries that <i>permanent or fixed installations with a maximum rated processing capacity ≤25 tph of minerals</i>		
(29)(ii)	all processing equipment at sand and gravel mines or quarries that <i>mobile (portable) installations with a maximum rated processing capacity ≤150 tph of minerals</i>		
(30)	mobile (portable) stone crushers with maximum rated capacities ≤150 tph of minerals which are located at nonmetallic mineral processing operations		
(31)	surface coating operations which are specifically exempted from regulation under Part 228, with regard to emissions of VOC's which are not given an A rating		
(32)	pharmaceutical tablet branding operations		
(33)	thermal packaging operations, including but not limited to, thermimage labelling, blister packing, shrink wrapping, shrink banding, and carton gluing		

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



DEC ID									
-					-				

**List of Exempt Activities (from NYCRR Part 201)**

Industrial (continued)			
Rule Citation 201-3.2(c)	Description	No. of Activities (approx.)	Building Location
(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 thru fabric filters, and the batch drop point is controlled by a shroud or other emission control device		
(38)	cement storage operations where materials are transported by screw or bucket conveyors		
(39)(i)	non-vapor phase cleaning equipment with an open surface area $\leq 11$ sq ft and an internal volume $\leq 93$ gal or, having an organic solvent loss $\leq 3$ gal/day		
(39)(ii)	non-vapor phase cleaning equipment using only organic solvents with an initial boiling point $\geq 300^{\circ}\text{F}$ at atmospheric pressure		
(39)(iii)	non-vapor phase cleaning equipment using materials with a VOC content $\leq 2\%$ by volume		
Miscellaneous			
(40)	ventilating and exhaust systems for laboratory operations		
(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 solvent 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 closed containers when not in use		
(44)	research and development activities, including both stand-alone and activities within a major stationary source, until such time as the Administrator completes a rulemaking to determine how the permitting program should be constructed for these activities		
(45)	the application of odor counteractants and/or neutralizers	1	00016

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



DEC ID											
4	-	4	3	5	0	-	0	0	0	0	8

METHODS USED TO DETERMINE COMPLIANCE		
Emission Unit ID	Applicable Requirement	Method Used to Determine Compliance and Corresponding Date
1-00001	40 CFR 60 Subpart GG	<ul style="list-style-type: none"> <li>Initial NOx stack testing</li> <li>Documentation of natural gas fuel sulfur limit in current natural gas tariff sheet</li> <li>Documentation of natural gas fuel methane limit in periodic natural gas composition analyses</li> </ul>
1-00001	40 CFR 60 Subpart KKKK	<ul style="list-style-type: none"> <li>Initial and periodic NOx stack testing</li> <li>Documentation of natural gas fuel sulfur limit in current natural gas tariff sheet</li> <li>Documentation of natural gas fuel methane limit in periodic natural gas composition analyses</li> </ul>
1-00001	40 CFR 63 Subpart ZZZZ and 40 CFR 60 Subpart JJJJ	<ul style="list-style-type: none"> <li>Documentation of non-emergency operation of generators no greater than 100 hours per 12-month consecutive period</li> <li>Records of periodic lubricating oil sample analyses</li> <li>Records of periodic inspection of spark plugs, hoses and belts</li> <li>Three-way oxidation catalyst to achieve NOx, CO and VOC limits for new emergency engines greater than 130 horsepower</li> </ul>