



Connecticut Department of  
**ENERGY &  
ENVIRONMENTAL  
PROTECTION**

**BUREAU OF AIR MANAGEMENT  
NEW SOURCE REVIEW PERMIT  
TO CONSTRUCT AND OPERATE A STATIONARY SOURCE**

Issued pursuant to Title 22a of the Connecticut General Statutes and Section 22a-174-3a of the Regulations of Connecticut State Agencies.

Owner/Operator:	Kleen Energy Systems LLC
Address:	P.O. Box 2696, Middletown, CT 06457
Equipment Location:	1349 River Road, Middletown, CT 06457
Equipment Description:	Siemens SGT6-5000F combustion turbine #1 and HRSG with duct burning

Town-Permit Numbers:	104-0131
Premises Number:	246
Modification Issue Date:	July 2, 2013
Prior Permit Issue Dates:	February 25, 2008 June 15, 2009 November 7, 2011 June 18, 2012
Expiration Date:	None

/s/ Anne Gobin for  
Daniel C. Esty  
Commissioner

July 2, 2013  
Date

## PERMIT FOR FUEL BURNING EQUIPMENT

### DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION BUREAU OF AIR MANAGEMENT

The conditions on all pages of this permit and attached appendices shall be verified at all times except those noted as design specifications. Design specifications need not be verified on a continuous basis; however, if requested by the Commissioner, demonstration of compliance shall be shown.

#### PART I. DESIGN SPECIFICATIONS

##### A. Equipment Design Specifications

1. Turbine
  - a. Maximum Fuel Firing Rates: 2.095x10<sup>6</sup> ft<sup>3</sup>/hr (gas), 15,119 gals/hr (oil)
  - b. Maximum Gross Heat Input (MM BTU/hr): 2,136 (gas), 2,117 (oil)
  
2. Duct Burner
  - a. Maximum Fuel Firing Rate: 4.36 x 10<sup>5</sup> ft<sup>3</sup>/hr (gas)
  - b. Maximum Gross Heat Input (MM BTU/hr): 445

##### B. Control Equipment Design Specifications

1. Water Injection
  
2. Low NO<sub>x</sub> Burner
  - a. Make and Model: Siemens SGT6-5000F DLN model with water injection for use when burning distillate fuel oil
  
3. Selective Catalytic Reduction (SCR)
  - a. Make and Model: Vogt Power Hot Gas Recirculation SCR
  - b. Catalyst Type: Homogeneous honeycomb consisting of 5% Tungsten trioxide, 5% Vanadium pentoxide and 90% Titanium dioxide
  - c. Pressure Drop: 0.8-1.6 in H<sub>2</sub>O
  - d. Ammonia Injection Rate at Maximum Rated Capacity: 25-30 lb/hr
  
4. Oxidation Catalyst
  - a. Catalyst Type: BASF CAMET CO Catalyst
  - b. Pressure Drop: 0.8-1.6 in H<sub>2</sub>O

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#### PART I. DESIGN SPECIFICATIONS, continued

##### C. Stack Parameters

1. Minimum Stack Height: 215 ft above base elevation
2. Minimum Exhaust Gas Flow Rate at 100% load (acfm): 1,011,360(gas),  
1,072,140 (oil)
3. Minimum Stack Exit Temperature at 100% load (°F): 173 (gas), 195(oil)
4. Minimum Distance from Stack to Property Line (ft): 581

#### PART II. OPERATIONAL CONDITIONS

##### A. Turbine

1. Fuel Types: Natural Gas, Distillate Fuel Oil
2. Maximum Natural Gas Consumption over any Consecutive 12 Month Period: 1.83 x 10<sup>10</sup> ft<sup>3</sup>
3. Maximum Distillate Fuel Oil Consumption over any Consecutive 12 Month Period: 2.18 x 10<sup>7</sup> gal for Permit Nos. 104-0131 and 104-0133 combined
4. Distillate Fuel Oil Sulfur Content (% by weight, dry basis): 0.0015
5. The Permittee shall not operate this turbine in steady-state at less than 60% of the maximum load specified by the manufacturer when burning natural gas and no less than 75% of the maximum load specified by the manufacturer when burning distillate fuel oil.

##### B. Duct Burner

1. Fuel Type: Natural Gas
2. Maximum Fuel Consumption over any Consecutive 12 Month Period: 1.47 x 10<sup>9</sup> ft<sup>3</sup> (gas)

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#### PART III. CONTINUOUS EMISSION MONITORING REQUIREMENTS AND ASSOCIATED EMISSION LIMITS

- A. CEM shall be required for the following pollutant/operational parameters and enforced on the following basis:

<u>Pollutant/Operational Parameter</u>	<u>Averaging Times</u>	<u>Emission/Operating Limit</u>
Turbine Load	continuous	See Part II.A.e
Fuel Flow	continuous	See Part I
Opacity <sup>1</sup>	six minute block	10%
NO <sub>x</sub>	1 hour block	See Part VI
CO	1 hour block	See Part VI
NH <sub>3</sub>	1 hour block	See Part VI
O <sub>2</sub>	1 hour block	none <sup>2</sup>
Ambient Temperature	continuous	none <sup>2</sup>

<sup>1</sup> Required during distillate fuel oil firing only.

<sup>2</sup> Parameter to be monitored is not limited by conditions of this permit. Monitoring is required solely to provide basis for correction of actual exhaust gas conditions to dry conditions @ 15% O<sub>2</sub> by volume.

- B. The Permittee shall ensure that any CEM systems installed comply with the requirements of this permit, RCSA §22a-174-4, RCSA §22a-174-22, RCSA §22a-174-31, 40 CFR 60 Subpart KKKK and 40 CFR Parts 72-78.

#### PART IV. DEFINITIONS

- A. "Emergency" shall be defined as any situation arising from sudden and reasonably unforeseeable events beyond the control of this source, including acts of God, which situation would require immediate corrective action to restore normal operation, and that causes the source to exceed a technology based limitation in this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance due to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operations, operator error or decision to keep operating despite knowledge of these things.
- B. "Malfunction" shall be defined as any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment or a process to operate in a normal or usual manner. Failures that were caused in part by poor maintenance or careless operation are not malfunctions.

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**PART IV. DEFINITIONS, continued**

- C. "Shut-down event" shall be defined as the period of time of transient operation from the initial lowering of turbine output until the point at which the combustion process has stopped.
- D. "Start-up event" shall be defined as the period of time of transient operation from initiation of combustion firing until the unit reaches steady state operation.
- E. "Steady-state operation" shall be defined as operation of the turbine when the rate of change in load, with respect to time, is zero.
- F. "Transient operation" shall be defined as operation of the turbine when the rate of change in load, with respect to time, is less than or greater than zero. The definition of transient operation shall include, but is not limited to, start-up and shut-down events, shifts between loads, fuel-switching, and equipment cleaning.

**PART V. MONITORING, RECORD KEEPING AND REPORTING REQUIREMENTS**

**A. Monitoring**

When more than one fuel supply tank is to service this source or when multiple sources are supplied by one fuel tank, the Permittee shall use a non-resettable totalizing fuel metering device to continuously monitor fuel feed to this permitted source.

**B. Record Keeping**

- 1. The Permittee shall keep records of annual fuel consumption for the turbine and total combined annual distillate fuel oil usage for Permit Nos. 104-0131 and 104-0133. Annual fuel consumption for the turbine shall be based on any consecutive 12 month time period and shall be determined by adding (for each fuel) the current month's fuel usage to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month.

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**PART V. MONITORING, RECORD KEEPING AND REPORTING REQUIREMENTS, cont.**

2. The Permittee shall keep records of annual natural gas consumption for the duct burner. Annual natural gas consumption for the duct burner shall be based on any consecutive 12 month time period and shall be determined by adding the current month's natural gas usage to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month.
3. The Permittee shall keep records of start-up and shut-down events. Such records shall contain the following information:
  - a. date of start-up or shut-down event,
  - b. fuel being used during start-up or shut-down event,
  - c. duration of start-up or shut-down event (hr),
  - d. type of start-up or shut-down event as listed in Part VI.B of this permit, and
  - e. total NO<sub>x</sub>, VOC and CO emissions emitted (lb) during the start-up or shut-down event.
4. The Permittee shall keep records of the fuel certification for each delivery of distillate fuel oil from a bulk petroleum provider or a copy of the current contract with the fuel oil supplier supplying the fuel used by the equipment that includes the applicable sulfur content of the fuel as a condition of each shipment. The shipping receipt or contract shall include:
  - a. date of delivery,
  - b. name of the fuel supplier,
  - c. type of fuel delivered,
  - d. percentage of sulfur in such fuel, by weight, dry basis, and
  - e. the method used to determine the sulfur content of such fuel.
5. The Permittee shall keep daily records of distillate fuel oil usage. Such records shall contain the following information:
  - a. date,
  - b. percent sulfur content (by weight, dry basis) of distillate fuel oil used using the records required in Part V.B.4.d, and
  - c. quantity of distillate fuel oil used in this turbine.
6. The Permittee shall comply with all applicable record keeping requirements in RCSA §22a-174-4 entitled, "Source Monitoring, Record Keeping, Reporting, and Authorization of Inspection of Air Pollution Sources."

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#### PART V. MONITORING, RECORD KEEPING AND REPORTING REQUIREMENTS, cont.

7. The Permittee shall record all exceedances of any emission limits or operating parameters contained in this permit. Such records shall include:
  - a. the date and time of the exceedance,
  - b. a detailed description of the exceedance,
  - c. the duration of the exceedance, and
  - d. for exceedances during transient operation caused by shifts between loads, the time and duration of the load shift and the load ramp rate (MW/min).
8. The Permittee shall keep records of all fuel switching and equipment cleaning events. Such records shall contain the date, time and duration of the fuel switching or equipment cleaning event.
9. The Permittee shall keep records on premises indicating continual compliance with all above conditions at all times and shall make them available upon request by the commissioner for the duration of this permit, or for the previous five years, whichever is less.

#### C. Reporting

1. The Permittee shall notify the commissioner, in writing, of any deviation from an emissions limitation or operating parameter, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows:
  - a. For any hazardous air pollutant, no later than 24 hours after such deviation commenced; and
  - b. For any other regulated air pollutant or operating parameter, no later than ten days after such deviation commenced.
2. The Permittee shall notify the commissioner in writing of any emergency affecting the equipment described in this permit or malfunction of the equipment described in this permit. The Permittee shall submit such notification within ten days of the emergency or malfunction. The notification shall include the following:
  - a. a description of the emergency or malfunction and a description of the circumstances surrounding the cause or likely cause of such emergency or malfunction, and
  - b. a description of all corrective actions and preventive measures taken and/or planned with respect to such emergency or malfunction and the dates of such actions and measures.

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#### PART VI. ALLOWABLE EMISSION LIMITS

This source shall not exceed the emission limits stated herein at any time as determined in accordance with the applicable averaging periods defined in Part III of this permit or as specified in an approved stack test protocol, except during periods of start-up, shut-down, shifts between loads, fuel switching, equipment cleaning, emergency, and/or malfunction.

An exceedance of either (i) the emission limits in the tables below, or (ii) the emissions limits developed for this permit due to an emergency, malfunction, or cleaning shall not be deemed a "Federally Permitted Release," as that term is used in 42 U.S.C. 9601(10).

Compliance with VOC emission limits in the tables below shall be determined by correlating the VOC emissions to the CO emissions using the results of the stack test required in Part VII of this permit along with manufacturer's data and tracked using the CO CEMS.

#### A. Steady-State

##### 1. Natural Gas (60%-100% Load)

##### a. Pollutant Emission Rates Without Duct Firing

Pollutants	ppmvd @	
	15% O <sub>2</sub>	lb/hr
TSP		11.0
PM <sub>10</sub> /PM <sub>2.5</sub>		11.0
SO <sub>x</sub>		4.9
NO <sub>x</sub>	2.0	15.5
VOC	5.0	10.0
CO	0.9	4.3
Ammonia	2.0	

##### b. Pollutant Emission Rates With Duct Firing

Pollutants	ppmvd @	
	15% O <sub>2</sub>	lb/hr
TSP		15.2
PM <sub>10</sub> /PM <sub>2.5</sub>		15.2
SO <sub>x</sub>		5.1
NO <sub>x</sub>	2.0	16.2
VOC	5.0	10.8
CO	1.7	8.4
Ammonia	2.0	

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### PART VI. ALLOWABLE EMISSION LIMITS, continued

#### 2. Distillate Fuel Oil (75%-100% Load)

##### a. Pollutant Emission Rates Without Duct Firing

<u>Pollutants</u>	<u>ppmvd @ 15% O<sub>2</sub></u>	<u>lb/hr</u>
TSP		57.0
PM <sub>10</sub> /PM <sub>2.5</sub>		57.0
SO <sub>x</sub>		3.2
NO <sub>x</sub>	5.9	48.4
VOC	3.6	9.0
CO	1.8	7.3
Pb		3.0E-02
Ammonia	5.0	

##### b. Pollutant Emission Rates With Duct Firing

<u>Pollutants</u>	<u>ppmvd @ 15% O<sub>2</sub></u>	<u>lb/hr</u>
TSP		57.0
PM <sub>10</sub> /PM <sub>2.5</sub>		57.0
SO <sub>x</sub>		3.7
NO <sub>x</sub>	5.9	50.5
VOC	3.4	11.3
CO	1.8	9.4
Pb		3.0E-02
Ammonia	5.0	

#### B. Transient Operation

##### 1. Natural Gas: Start-up and Shut-down Events (<60% Load)

	Type of Start-up or Shut-down Event			
	Cold Start-up	Warm Start-up	Hot Start-up	Shut-down
Duration of Turbine at 0% load prior to Start-up (hr)	>48	8.1 to 48	0 to 8	--
Maximum Duration of Start-up or Shut- down Event (hr)	2.9	2.0	1.8	1.0
NO <sub>x</sub> * (lb/event)	322.2	389.3	224.7	60.6
VOC* (lb/event)	24.2	53.3	8.3	3.2
CO* (lb/event)	1602.7	1914.7	142.3	49.3
NH <sub>3</sub> (ppm @15% O <sub>2</sub> )	5.0	5.0	5.0	5.0

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**PART VI. ALLOWABLE EMISSION LIMITS, continued**

**2. Distillate Oil: Start-up and Shut-down Events (<75% Load)**

	Type of Start-up or Shut-down Event			
	Cold Start-up	Warm Start-up	Hot Start-up	Shut-down
Duration of Turbine at 0% load prior to Start-up (hr)	>48	8.1 to 48	0 to 8	--
Maximum Duration of Start-up or Shut-down Event (hr)	3.0	2.1	2.0	1.0
NO <sub>x</sub> * (lb/event)	230.1	185.3	160.8	110.8
VOC* (lb/event)	567.6	426.8	348.7	86.9
CO* (lb/event)	837.5	715.2	633.6	168.5
NH <sub>3</sub> (ppm @15% O <sub>2</sub> )	5.0	5.0	5.0	5.0

\* The values presented are deemed to be representative, by the manufacturer, of uncontrolled emissions during start-up and shut-down events from this turbine. These values were used to calculate the final annual emission limits for this turbine. These tables will be updated and amended in accordance with Part VIII.B of this permit.

3. Ammonia (NH<sub>3</sub>) emissions shall not exceed 5.0 ppm @ 15% O<sub>2</sub> during transient operation caused by shifts between loads, fuel-switching and equipment cleaning.

**C. Total Allowable Emissions**

**1. Single Turbine with Duct Burner**

**a. Criteria Pollutants**

<u>Criteria Pollutants</u>	<u>TPY</u>
TSP	63.8
PM <sub>10</sub> /PM <sub>2.5</sub>	63.8
SO <sub>x</sub>	20.9
NO <sub>x</sub>	83.3
VOC	24.0
CO	100.6
Pb	1.1E-02

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**PART VI. ALLOWABLE EMISSION LIMITS, continued**

**b. Hazardous Air Pollutants**

Hazardous Air <u>Pollutant</u>	<u>TPY</u>
Ammonia	33.7
Sulfuric Acid	6.4

- D.** This equipment shall not cause an exceedance of the Maximum Allowable Stack Concentration (MASC) for any hazardous air pollutant (HAP) emitted and listed in RCSA §22a-174-29 at any time including periods of start-up, shut-down, fuel switching, equipment cleaning, emergency, and malfunctions. [State-Only Requirement]
- E.** The Permittee shall demonstrate compliance with the above emission limits by calculating the emission rates using the emission factors from operational parameters, CEM, and/or the most recent stack test results. The above statement shall not preclude the commissioner from requiring other means to demonstrate compliance with the above emission limits, as allowed by state or federal statute, law or regulation.

**PART VII. STACK EMISSION TEST REQUIREMENTS**

Stack testing shall be performed in accordance with the latest Emission Test Guidelines available on the DEEP website.

Stack emission testing shall be performed at least once every five years from the date of the last stack test (June 20, 2011) for the following pollutant(s):

TSP/PM<sub>10</sub>/PM<sub>2.5</sub>       SO<sub>x</sub>       NO<sub>x</sub>       CO       VOC

Hazardous Air Pollutants: 1,3 Butadiene, Acetaldehyde, Acrolein, Ammonia, Arsenic, Benzene, Beryllium, Cadmium, Chromium, Ethylbenzene, Formaldehyde, Lead, Manganese, Mercury, Napthalene, Nickel, PAH, Propylene Oxide, Selenium, Sulfuric Acid, Toluene, Xylene.

The Permittee shall perform one set of stack tests on the turbine when burning natural gas (with and without duct burning) and one set of stack tests when burning distillate fuel oil (with and without duct burning).

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**PART VII. STACK EMISSION TEST REQUIREMENTS, continued**

Stack testing shall not be required for pollutants requiring CEMS (NO<sub>x</sub>, CO, and NH<sub>3</sub>). The commissioner retains the right to require stack testing of any pollutant at any time to demonstrate compliance.

Fuel oil analysis of the metals in the distillate fuel oil may be substituted for stack testing for metallic HAPs while firing distillate fuel oil.

Stack testing shall be performed at or above 90% of the maximum total capacity of the turbine and duct burner combined when conducting tests where both the turbine and duct burner are operating.

**PART VIII. SPECIAL REQUIREMENTS**

- A.** Total VOC emissions from all VOC emitting equipment located at this premises shall not exceed 49.9 tons per year.

Demonstration of compliance with the annual VOC premises wide limit shall be based on each consecutive 12 month time period and shall be determined by adding the current month's VOC premises wide emissions to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month.

Monthly premises wide VOC emissions shall be calculated using the following equations:

$$\text{VOC}_{\text{premises}} = \frac{\sum \text{VOC}_{\text{turbines}} + \sum \text{VOC}_{\text{engines}} + \text{VOC}_{\text{aux boiler}} + \sum \text{VOC}_{\text{storage tanks}} + \sum \text{VOC}_{\text{add}}}{\sum \text{VOC}_{\text{add}}}$$

where,

$\sum \text{VOC}_{\text{turbines}}$  = The sum of VOC emissions from the two turbine trains covered by Permit Nos. 104-0131 and 104-0133 determined by correlating the VOC emissions to the CO emissions using the results of the stack test required in Part VII of this permit along with manufacturer's data and tracked using the CO CEMS. VOC emissions from the turbine train shall be recorded on the CEMS data acquisition system.

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**PART VIII. SPECIAL REQUIREMENTS, continued**

$\Sigma\text{VOC}_{\text{engines}}$  = The sum of emissions from any emergency engines located at the premises operating under RCSA §22a-174-3b or RCSA §22a-174-3c. VOC emissions shall be calculated using the following equation:

$$\text{VOC (ton/month)} = [X (\text{VOC lbs/hr}) * Y (\text{hrs/month})] * 1 \text{ ton}/2000 \text{ lbs}$$

$\text{VOC}_{\text{aux boiler}}$  = The emissions from the auxiliary boiler covered by Permit No. 104-0134. VOC emissions shall be calculated using the following equation:

$$\text{VOC (ton/month)} = [X (\text{VOC lbs/hr}) * Y (\text{hrs/month})] * 1 \text{ ton}/2000 \text{ lbs}$$

$\Sigma\text{VOC}_{\text{storage tanks}}$  = The emissions from any storage tanks located on the premises shall be determined using the latest version of the EPA TANKS model.

$\Sigma\text{VOC}_{\text{add}}$  = The VOC emissions from any additional VOC emitting equipment that is added to the premises after the issuance of this permit. The VOC emissions from such equipment shall be calculated using good engineering practices.

- B.** The Permittee shall track and record emissions of  $\text{NO}_x$ , VOC and CO for all start-up and shut-down events for this turbine during the first 60 months of commercial operation. Commercial operation began on May 3, 2011. Within 60 days of the end of 60 months of commercial operation of the turbine, the Permittee shall submit a report of emissions during start-up and shut-down events. If required, the Permittee shall submit a permit modification application to incorporate the emission rates developed from this data into Part VII.B of this permit. Subsequent emissions for start-up and shut-down events will be subject to said tables.

If there is a lack of data at the end of 60 months to make a good engineering determination regarding distillate oil start-up and shut-down emissions for this turbine, the Permittee shall submit a permit modification application once enough data is collected to make a good engineering determination regarding distillate oil start-up and shut-down emissions.

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**PART VIII. SPECIAL REQUIREMENTS, continued**

C. The Permittee shall conduct a study of ammonia slip emissions, during distillate fuel oil firing only, from this source during the first 36 months of commercial operation. Commercial operation began on May 3, 2011. Such study shall address catalyst degradation over time and lifecycle, ammonia emissions over time, costs for catalysts and equipment, and emerging SCR technology. The data from such study shall be recorded and maintained on the premises. The following requirements apply during this study:

1. No later than 60 days from the last day of each calendar year of commercial operation of this source the Permittee shall submit a summary of operating data collected during the previous year of the ammonia slip emissions study, to the commissioner. This summary report is not required to be submitted for the last year of the study.
2. No later than 120 days from the last day of the third calendar year of commercial operation of this source the Permittee shall submit a final report summarizing the results of the ammonia slip emissions study, including conclusions regarding ammonia slip emissions during distillate fuel oil firing, to the commissioner.
3. If there is a lack of data at the end of 36 months to make a good engineering determination regarding ammonia slip emissions, the study shall be extended an additional 24 months and the final report shall be submitted no later than 120 days from the last day of the fifth calendar year of commercial operation of this source.

D. Total HAP emissions (any pollutant listed in Section 112(b) of the Clean Air Act Amendments of 1990 excluding any that have been removed from the list) from all HAP emitting equipment at this premises shall be less than 10 tons per year of any individual HAP or less than 25 tons per year for the combination of HAPs.

Demonstration of compliance with this premises wide HAP limit shall be based on each consecutive 12 month time period and shall be determined by adding the current month's HAP premises wide emissions to that of the previous 11 months for each individual HAP emitted at this premises and the combination of HAPs. The Permittee shall make these calculations within 30 days of the end of the previous month.

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EQUIPMENT DESCRIPTION: Siemens SGT6-5000F combustion turbine #1 and HRSG with duct burning

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PERMIT FOR FUEL BURNING EQUIPMENT

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

PART VIII. SPECIAL REQUIREMENTS, continued

E. The Permittee shall comply with all applicable sections of the following New Source Performance Standard(s) at all times. (Applicable if -X-checked)

Turbine & Duct Burner

40 CFR Part 60, Subpart: [ ] Da [ ] Db [ ] Dc [X] KKKK [X] A

Copies of the Code of Federal Regulations (CFR) are available online at the U.S. Government Printing Office website.

- F. The Permittee shall comply with all applicable requirements of the Federal Acid Rain Program codified in Title 40 CFR Parts 72-78, inclusive, by the deadlines set forth within the aforementioned regulation.
G. The Permittee shall operate and maintain this equipment in accordance with the manufacturer's specifications and written recommendations.
H. The Permittee shall possess, at least, 209 tons of external emissions reductions of NOx to offset the quantity of NOx emitted from the sources covered under Permit Nos. 104-0131, 104-0133 and 104-0134 and RCSA §22a-174-3b to comply with RCSA §22a-174-3a(1). Such a quantity is sufficient to offset the emissions from the sources listed at a ratio of 1.2 tons of reduction for every ton of NOx emissions allowed under the permits listed. Such offsets have been obtained from the following sources, each located in New York: 186 offsets from Kings Plaza JV, LLC (Serial # NYDEC-2-6105-00301-186) and 23 offsets from Wehran Energy Corporation (Serial # NYDEC-1-4722-00799-23). The offsets were approved by the Department on February 6, 2008. The Permittee shall maintain sole ownership and possession of these emissions reductions for the duration of this permit and any subsequent changes to the permit.
I. Noise (for non-emergency use)

The Permittee shall operate this facility at all times in a manner so as not to violate or contribute significantly to the violation of any applicable state noise control regulations, as set forth in RCSA §§22a-69-1 through 22a-69-7.4, inclusive.

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**DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION  
BUREAU OF AIR MANAGEMENT**

**PART IX. ADDITIONAL TERMS AND CONDITIONS**

- A. This permit does not relieve the Permittee of the responsibility to conduct, maintain and operate the regulated activity in compliance with all applicable requirements of any federal, municipal or other state agency. Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- B. Any representative of the DEEP may enter the Permittee's site in accordance with constitutional limitations at all reasonable times without prior notice, for the purposes of inspecting, monitoring and enforcing the terms and conditions of this permit and applicable state law.
- C. This permit may be revoked, suspended, modified or transferred in accordance with applicable law.
- D. This permit is subject to and in no way derogates from any present or future property rights or other rights or powers of the State of Connecticut and conveys no property rights in real estate or material, nor any exclusive privileges, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the facility or regulated activity affected thereby. This permit shall neither create nor affect any rights of persons or municipalities who are not parties to this permit.
- E. Any document, including any notice, which is required to be submitted to the commissioner under this permit shall be signed by a duly authorized representative of the Permittee and by the person who is responsible for actually preparing such document, each of whom shall certify in writing as follows: "I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under section 22a-175 of the Connecticut General Statutes, under section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute."
- F. Nothing in this permit shall affect the commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the Permittee by the commissioner.

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**PART IX. ADDITIONAL TERMS AND CONDITIONS, continued**

- G. Within 15 days of the date the Permittee becomes aware of a change in any information submitted to the commissioner under this permit, or that any such information was inaccurate or misleading or that any relevant information was omitted, the Permittee shall submit the correct or omitted information to the commissioner.
  
- H. The date of submission to the commissioner of any document required by this permit shall be the date such document is received by the commissioner. The date of any notice by the commissioner under this permit, including but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is personally delivered or the date three days after it is mailed by the commissioner, whichever is earlier. Except as otherwise specified in this permit, the word "day" means calendar day. Any document or action which is required by this permit to be submitted or performed by a date which falls on a Saturday, Sunday or legal holiday shall be submitted or performed by the next business day thereafter.
  
- I. Any document required to be submitted to the commissioner under this permit shall, unless otherwise specified in writing by the commissioner, be directed to: Office of Director; Engineering & Enforcement Division; Bureau of Air Management; Department of Energy and Environmental Protection; 79 Elm Street, 5th Floor; Hartford, Connecticut 06106-5127.

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