



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 (CGS) and Section 22a-174-3a of the Regulations of Connecticut State Agencies (RCSA).

<b>Owner/Operator</b>	Lake Road Generating Company, LLC
<b>Address</b>	56 Alexander Parkway, Dayville, CT 06241
<b>Equipment Location</b>	56 Alexander Parkway, Dayville, CT 06241
<b>Equipment Description</b>	ALSTOM (ABB) GT-24 Combustion Turbine, Unit No. 2, with Dry Low NO <sub>x</sub> Combustion System, Water Injection and SCR
<b>Town-Permit Numbers</b>	089-0068
<b>Premises Number</b>	80
<b>Stack Number</b>	02
<b>Prior Permit Issue Dates</b>	June 22, 1999 (Construction Permit) July 13, 2001 (Operating Permit) July 17, 2003 (Minor Modification) July 12, 2011 (Minor Modification) February 27, 2015 (Minor Modification)
<b>Modification Issue Date</b>	November 13, 2018
<b>Expiration Date</b>	None

/s/Tracy Babbidge for  
Robert E. Kaliszewski  
Deputy Commissioner

11/13/2018  
Date

This permit specifies necessary terms and conditions for the operation of this equipment to comply with state and federal air quality standards. The Permittee shall at all times comply with the terms and conditions stated herein.

## **PART I. DESIGN SPECIFICATIONS**

### **A. General Description**

The equipment consists of an ABB GT-24 combustion turbine generator, a heat recovery steam generator and a condensing steam turbine generator. The combustion turbine fires natural gas with No. 2 fuel oil as a backup. Combustion turbine exhaust gases are treated with a Selective Catalytic Reduction (SCR) system and an oxidation catalyst.

### **B. Equipment Design Specifications**

1. Maximum Fuel Firing Rates: MMcf/hr (gas); gal/hr (oil)<sup>1,2</sup>

Gas:  $T < 0^{\circ}\text{F}$ : 2.316  
 $0^{\circ}\text{F} \leq T \leq 100^{\circ}\text{F}$ :  $2.316 - 0.00115T$   
 $T > 100^{\circ}\text{F}$ : 2.201

Oil: 17,760

2. Maximum Gross Heat Input (MMBtu/hr):

Gas:  $T < 0^{\circ}\text{F}$ : 2,316  
 $0^{\circ}\text{F} \leq T \leq 100^{\circ}\text{F}$ :  $2,316 - 1.15T$   
 $T > 100^{\circ}\text{F}$ : 2,201

Oil: 2,276

<sup>1</sup> –  $T$  = ambient temperature ( $^{\circ}\text{F}$ )

<sup>2</sup> – based on a gross heating value of 1000 Btu/scf natural gas

### **C. Control Equipment Design Specifications**

1. Selective Catalytic Reduction (SCR)
  - a. Design Removal Efficiency (%): In conjunction with Low  $\text{NO}_x$  Burner, reduce  $\text{NO}_x$  to allowable emissions in Part VII of this permit
2. Low  $\text{NO}_x$  Burner
  - a. Make and Model: ALSTOM (ABB) GT24 ACS with EV and SEV combustors
  - b. Design Removal Efficiency (%): In conjunction with SCR, reduce  $\text{NO}_x$  to allowable emissions in Part VII of this permit
3. Other: Water Injection and CO Oxidation Catalyst

### **D. Stack Parameters**

1. Minimum Stack Height (ft): 165
2. Minimum Exhaust Gas Flow Rate @ 100% load (acfm): 794,437 (gas); 1,075,047 (oil)
3. Stack Exit Temperature @ 100% load ( $^{\circ}\text{F}$ ): 196 (gas); 348 (oil)
4. Minimum Distance from Stack to Nearest Property Line (ft): 241.16

## **PART II. OPERATING LIMITS**

### **A. Equipment Operating Limits**

1. Fuel Types: natural gas, No. 2 fuel oil
2. Maximum Fuel Consumption over any Consecutive 12 Month Period: 18,700 MMcf (gas) and 12.8 MMgal (oil)
3. Maximum Fuel Sulfur Content (% by weight, dry basis): 0.05% (oil)
4. Maximum Allowable Heat Rate on a 12 Month Rolling Basis (MMBtu/kWh net): 7,702
5. For start-up, shutdown, fuel switching, equipment tuning and protective load shed, each such event shall not exceed 240 minutes.
6. For re-commissioning, each such event, not including start-up and shutdown events, shall not exceed 30 hours.

### **B. Control Equipment Operating Limits**

1. Control Equipment Type
  - a. SCR
  - b. Low NO<sub>x</sub> Burner
  - c. Water Injection during fuel oil operation
  - d. CO Oxidation Catalyst
2. Minimum Efficiency  
SCR, Low NO<sub>x</sub> Burner and CO Oxidation Catalyst: Use this control equipment to achieve limits in Part VII of this permit.

## **PART III. DEFINITIONS**

- A.** Start-up shall be defined as that period of time from initiation of combustion firing until the unit reaches steady state operation.
- B.** Shutdown shall be defined as that period of time from the initial lowering of turbine output until the point at which the combustion process has stopped.
- C.** Re-commissioning shall be defined as the manufacturers required period of equipment tuning conducted after completion of a major inspection. If the unit is commissioned on more than one fuel, re-commissioning on each fuel shall be considered a separate re-commissioning event.
- D.** Malfunction means 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 are caused in part by poor maintenance, careless operation, or any other preventable upset condition or careless operation are not malfunctions.
- E.** Protective load shed means an event during which the unit reduces load to less than 50% load without stopping the combustion process, either because of direction from ISO New England or to protect the turbine.
- F.** No start-up, shutdown, nor fuel switching period shall ever exceed 240 minutes. This limitation does not apply during re-commissioning.
- G.** 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 would require immediate corrective action to restore normal operation, and that causes the source to exceed a technology based limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operations, operator error or decision to keep operating despite knowledge of these things.

- H. An exceedance of the emission limits in the tables below shall not be deemed a "Federally Permitted Release," as that term is used in 42 U.S.C. 9601(10).

**PART IV. EXTERNAL EMISSIONS OFFSET**

The Permittee secured external emission offsets to comply with RCSA §22a-174-3a(l). The offsets were required for NO<sub>x</sub> emissions at a rate of 1.2 to 1. The external emissions were secured, approved and federally enforceable prior to the issuance of the construction permit.

Pollutant	Total External Offsets Required by All New Units, 3 Turbines (Permit Nos. 089-0067,-0068,-0069), 3 Emergency Diesel Engines (Permit Nos. 089-0071,-0072,-0073), and 1 Emergency Firepump (Permit No. 089-0070)
NO <sub>x</sub>	298

As properly documented by Anchor Glass Container Corporation (AGCC), and approved by the commissioner pursuant to Permit Nos. 089-0035, 089-0036, 089-0038, the emission reductions obtained from AGCC conform to the requirements of the United States Environmental Protection Agency (USEPA)'s "Economic Incentive Program Rules; Final Rules," published April 7, 1994, (Federal Register, Volume 69, page 16690) and the USEPA's "Emissions Trading Policy Statement", published December 4, 1986 (Federal Register, Volume 51, Number 233). Specifically, the reductions were:

Real, because they resulted in a reduction of actual emissions released into the air, net of any consequential increase in actual emissions resulting from shifting demand. The emission reductions were properly measured, recorded and reported.

Quantifiable, because they were based on AGCC's emission factors (process variable model) as applied in an appropriate reliable and replicable protocol, providing the rate and total mass amount of reduction.

Surplus, because they were not required by any Connecticut statute or regulation mandated by a current State Implementation Plan (SIP), and were not currently relied upon in any applicable attainment plan, any reasonable further progress plan or milestone demonstration.

Permanent, because AGCC ceased glass manufacturing operations on May 1, 1997.

Enforceable, because the shutdown of AGCC's glass manufacturing equipment was made federally enforceable through a permit.

**PART V. OPERATING REQUIREMENTS**

- A. The primary fuel used shall be natural gas and the back-up fuel shall be No. 2 fuel oil with a sulfur content of no more than 0.05% by weight, dry basis.
- B. The premises shall be equipped with on-site No. 2 fuel oil unloading capabilities to supplement the fuel supply, in the event that the No. 2 fuel oil operation is beyond the limits of the on-site storage. The oil shall be delivered directly to the storage tank.
- C. The turbine shall be operated with dry low NO<sub>x</sub> burners and Selective Catalytic Reduction (SCR) when firing natural gas, and water injection and SCR when firing No. 2 fuel oil, for the control of NO<sub>x</sub>. The turbine shall also be operated with an oxidation catalyst for the control of CO.
- D. The turbine must be operated using good combustion practices.
- E. During any air pollution emergency episode that occurs, the turbine shall be operated in accordance with the Updated Premises Emergency Episode Plans submitted to the commissioner.

- F. The operation and maintenance plan for the opacity monitor(s) shall be in accordance with RCSA §22a-174-4(c)(4) and with the requirements specified in 40 CFR Part 60 Subpart A, Appendix B and Appendix F, as may be amended from time to time.
- G. The required opacity monitor(s) shall be operational at any time that the turbine is in operation when using No. 2 fuel oil.
- H. Except for necessary maintenance, no person shall deliberately shut down any monitoring device or method required while the turbine being monitored is in operation or is emitting air pollutants.
- I. The failure of any monitoring equipment in no way relieves the Permittee from the responsibility to comply with applicable regulations or standards.
- J. Altering any monitoring devices or methods so as to falsify their readings or results shall be a violation to the terms and conditions of this permit.
- K. Prior to replacement of any CEMS, the premises shall submit, at least 60 days prior to initiation of the CEMS performance specification testing, the CEMS Monitoring Plan required by RCSA §22a-174-4(c).
- L. The CEM equipment shall be installed and operational prior to conducting source compliance testing.
- M. All the federal acid rain program (40 CFR Parts 72, 73, and 75) requirements shall be met at the appropriate time.

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

**A. Monitoring Requirements**

- 1. The Permittee shall comply with the CEM requirements as set forth in RCSA §22a-174-4, RCSA §22a-174-22e, 40 CFR Part 60 Subpart KKKK and 40 CFR Parts 72-78, if applicable. CEM shall be required for the following pollutant/operational parameters and enforced on the following basis:

Pollutant/Operational Parameter	Averaging Times	Emission Limit
Fuel flow	continuous	See Part I
Opacity <sup>1</sup>	six minute block	See Part VII
NO <sub>x</sub>	3 hour block	See Part VII
	30 unit operating day rolling average <sup>2</sup>	15 ppmvd @ 15% O <sub>2</sub> (gas) <sup>2</sup>
		42 ppmvd @ 15% O <sub>2</sub> (oil) <sup>2</sup>
CO	1 hour block	See Part VII
NH <sub>3</sub>	3 hour block	See Part VII
O <sub>2</sub>	1 hour block	n/a

<sup>1</sup>- Required when firing No. 2 oil only

<sup>2</sup>- 40 CFR Part 60 Subpart KKKK requirements

The NO<sub>x</sub> diluent CEMS that is installed and certified according to Appendix A of 40 CFR Part 75 is acceptable for use to meet the monitoring requirements of 40 CFR Part 60 Subpart KKKK. [40 CFR §60.4345(a)]

2. The Permittee shall develop and keep on-site a quality assurance (QA) plan for all of the continuous monitoring equipment described in paragraphs (a), (c) and (d) of 40 CFR §60.4345. For the CEMS and fuel flow meters, the Permittee may satisfy these requirements by implementing the QA program and plan described in section 1 of Appendix B to 40 CFR Part 75. [40 CFR §60.4345(e)]
3. The Permittee shall use a fuel metering device to continuously monitor fuel feed to this permitted source.
4. The Permittee shall replace the SCR catalyst after the projected catalyst life based on manufacturer's testing is reached.
5. The Permittee shall monitor turbine load and ambient temperature.
6. CEM data as shown in the table in Part IV of this permit and as described in the CEM plan submitted to the commissioner shall be used to determine compliance with the emission limits defined in this permit.
7. Compliance with permit limits for NO<sub>x</sub>, CO, and ammonia concentrations shall be based on ppmvd @15% O<sub>2</sub>. Compliance with the VOC emissions shall be determined in accordance with Part IX.C.3 of this permit.

## **B. Record Keeping Requirements**

1. Annual operating hours and fuel consumption shall be based on any consecutive 12 month time period and shall be determined by adding (for each fuel) the current month's hours and fuel usage to that of the previous 11 months. These calculations shall be made on a monthly basis and made available for inspection upon request by the commissioner.
2. The Permittee shall monitor, make and keep records of the sulfur content of fuel oil being fired in the equipment as required by 40 CFR Part 60 Subpart KKKK as described in 40 CFR §60.4360.
3. The Permittee shall make and keep records of the operating hours of the catalyst beds along with the testing of projected catalyst beds' life.
4. The Permittee shall make and keep records of turbine load and ambient temperature.
5. The Permittee shall make and keep monthly and annual (12 month rolling aggregate) records of the emissions rates of formaldehyde and ammonia.
6. The Permittee shall keep records of event based emissions and event durations as shown in Part VII.B of this permit.
7. The Permittee shall keep records of turbine heat rate on a 12 month rolling average basis. The Permittee shall make these calculations within 30 days of the end of the previous month.
8. The Permittee shall keep records of the total actual annual emissions of all criteria pollutants and GHG for Permit Nos. 089-0067, 089-0068 and 089-0069 commencing on the date operation resumed following completion of the first turbine's Alstom MXL upgrade and continuing through the end of the fifth calendar year from the date operation resumed following completion of the last turbine's Alstom MLX upgrade.
  - a. The total actual annual emissions (per pollutant) for the turbines, on a calendar year basis, shall be compared to the 24 month average annual baseline emissions (per pollutant) for the turbines for the purposes of determining major modification applicability. In the first calendar year of this comparison, actual emissions prior to the Alstom MLX upgrades shall be included.
  - b. This comparison shall be done per calendar year for five years from the date operation resumed for the last turbine upgrade. The representative baseline period has been determined to be January 1, 2015 through December 31, 2016.

9. The Permittee shall make and keep records on the premises to determine compliance with the terms and conditions of this permit in accordance with RCSA §22a-174-4. Such records shall be made available upon request by the commissioner and kept for the duration of this permit or for the previous five years, whichever is less.

**C. Reporting Requirements**

1. The Permittee shall submit to the commissioner a report summarizing opacity monitoring data for the preceding three months. Such report shall be due not later than 30 days following the end of each calendar quarter.
2. Notifications: The Permittee shall notify the commissioner in writing of any emergency or malfunction at the premises. The notification shall include the following:
  - a. 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 with respect to such emergency or malfunction and the dates of such actions and measures.
3. The Permittee shall submit an annual report of the records detailed in Part VI.B.8 by March 1 of each year for the previous calendar year. The Permittee shall submit this annual report for five years from the date operation resumed following completion of the last turbine's Alstom MLX upgrade.

The report shall be submitted to: Compliance Analysis & Coordination Unit; Engineering & Enforcement Division; Bureau of Air Management; Department of Energy and Environmental Protection; 79 Elm Street, 5<sup>th</sup> Floor; Hartford, CT 06106-5127

**PART VII. ALLOWABLE EMISSION LIMITS**

The Permittee shall not cause or allow this equipment to exceed the emission limits stated herein at any time, as determined in accordance with the applicable averaging periods defined in Part VI of this permit or as specified in an approved stack test protocol.

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).

The Permittee shall not cause or allow this equipment to exceed the emission limits stated herein at any time.

**A. Steady State**

1. Allowable Emissions For Each Turbine (Natural Gas Firing):

Criteria Pollutants	ppmvd @ 15% O <sub>2</sub>	lb/hr	Basis
PM		21.8	a
PM <sub>10</sub>		21.8	a
PM <sub>2.5</sub>		21.8	a
SO <sub>2</sub>		4.73	a
NO <sub>x</sub>	2.0	17.1	a
VOC		3.08	a
CO <sup>1,4</sup>	20.0	52.4	a
CO <sup>2,4</sup>	4.0	13.8	a
CO <sup>3,4</sup>	3.0	14.0	a

Non-criteria Pollutants	ppmvd @ 15% O <sub>2</sub>	lb/hr	Basis
Ammonia	10.0	31.5	a

Formaldehyde		0.785	b
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2. Allowable Emissions For Each Turbine (No. 2 Oil Firing):

Criteria Pollutants	ppmvd @ 15% O <sub>2</sub>	lb/hr		Basis
PM		85.9		a
PM <sub>10</sub>		85.9		a
PM <sub>2.5</sub>		85.9		a
SO <sub>2</sub>		117.0		a
NO <sub>x</sub>	5.9	52.3		a
VOC		17.5		a
CO <sup>1,4</sup>				a
CO <sup>2,4</sup>	5.0	23.7		a
CO <sup>3,4</sup>	4.0	22.4		a
Opacity			20%	c

Non-criteria Pollutants	ppmvd @ 15% O <sub>2</sub>	lb/hr		Basis
Ammonia	10.0	33.9		a
Formaldehyde		0.637		b

**Basis**

The above emission rates were calculated using emission factors from the following sources:

- Manufacturer's Data
- Emission factor calculation for formaldehyde (HCHO):  $3.6 \times 10^{-4}$  lb/MMBtu of natural gas burned and  $2.8 \times 10^{-4}$  lb/MMBtu of No. 2 fuel oil burned.
- RCSA §§22a-174-18(b)(1) & (2)

3. Total Allowable Emissions for Each Turbine:

Criteria Pollutants	TPY
PM	118.0
PM <sub>10</sub>	118.0
PM <sub>2.5</sub>	118.0
SO <sub>2</sub>	61.0
NO <sub>x</sub>	79.5
VOC	18.7
CO	96.6

Non-Criteria Pollutants	TPY
Ammonia	128
Formaldehyde	3.329

4. Total Allowable Emissions for Permit Nos. 089-0067, 089-0068, 089-0069, the emergency engines operating pursuant to RCSA §22a-174-3b and the No. 2 fuel oil tanks on the premises:

Criteria Pollutants	TPY
PM	356.0
PM <sub>10</sub>	356.0
PM <sub>2.5</sub>	356.0
SO <sub>2</sub>	184.0
NO <sub>x</sub>	248.0
VOC	49.9 <sup>5</sup>
CO	295.0



Formaldehyde	9.9 <sup>6</sup>
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- <sup>1</sup> - At 50%-74% Load
- <sup>2</sup> - At 75%-99% Load
- <sup>3</sup> - At 100% Load
- <sup>4</sup> - When the unit load transitions through more than one permit load range during any one hour block, the emission limitation for the lowest operating load range shall apply.
- <sup>5</sup> - Notwithstanding the annual VOC emission limit of 18.7 tons per year for each turbine expressed in the table above, the total VOC emissions from the following permitted units, Permit Nos. 089-0067, 089-0068, 089-0069, the emergency engines operating pursuant to RCSA §22a-174-3b and the No. 2 fuel oil tanks on the premises shall not exceed 49.9 tons per year. A premises exceedance of 49.9 tons shall be a violation of the emission limit for each of the units permitted under Permit Nos. 089-0067, 089-0068, and 089-0069.
- <sup>6</sup> - Notwithstanding the annual formaldehyde limit for each turbine expressed in the table above, the total formaldehyde emissions from the premises shall not exceed 9.9 tons per year. Demonstration of compliance with the annual premises formaldehyde limit shall be enforced on a rolling 12 month basis.

**B. Transient Operation**

1. The Permittee shall comply with the allowable emission limits on Part VII.A. of this permit for any operating time beyond the event time limits stated in Part II.A of this permit.
2. Allowable Emissions, per turbine, for start-up, shutdown, fuel switching, equipment tuning, protective load shed events and re-commissioning periods:

Pollutant	Start-up (lb/event)	Shutdown (lb/event)	Fuel Switching, Equipment Tuning (lb/event)	Protective Load Shed (lb/event)	Re-commissioning <sup>1</sup> (lb/hr)
NO <sub>x</sub> (gas and oil)	700	700	2,400	2,400	600.0
CO (gas and oil)	1300	1,300	1,300	1,300	325.0
NH <sub>3</sub> (gas)	114.8	114.8	114.8	114.8	28.7
NH <sub>3</sub> (oil)	135.6	135.6	135.6	135.6	33.9
NH <sub>3</sub> (fuel)	135.6	135.6	135.6	135.6	33.9

<sup>1</sup> – During re-commissioning, the maximum duration the unit may operate at these emission limits (not including start-up and shutdown events) is 30 hours. The allowable emissions set forth in Parts VII.A shall apply during the rest of the re-commissioning event.

3. Operating Requirements for start-up, shutdown, fuel switching, equipment tuning, protective load shed events and re-commissioning periods:
  - a. The frequency and duration of operation during these periods shall be minimized to the maximum extent practicable;
  - b. All possible steps shall be taken to minimize the impact of emissions during these periods;
  - c. At all times, the turbines shall be operated in a manner consistent with good practice for minimizing emissions, and the source shall have best efforts regarding planning, design, and operating procedures to meet the otherwise applicable emission limitation;
  - d. Emissions of NO<sub>x</sub>, CO and NH<sub>3</sub> during a protective load shed event shall meet the event emission limitations in Part VII.B.2. for up to the maximum event duration of 4 hours;
  - e. The Permittee’s actions during these periods shall be documented by properly signed, contemporaneous operating logs, or other relevant evidence.

**C. Demonstration of Compliance with the VOC Premises Limit**

The VOC emissions for each unit shall be calculated using the following procedure:

1. For each turbine, the monthly VOC emissions (VOC<sub>turbine</sub>) shall be determined by correlating the VOC emissions to the gas turbine percent load using the results of a diagnostic stack test. VOC emissions shall be calculated and recorded on the CEMs.

For each emergency engine, the monthly VOC emissions ( $VOC_{\text{engine}}$ ) shall be calculated using the following equation,

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

3. For each storage tank, the monthly VOC emissions ( $VOC_{\text{storage tank}}$ ) shall be determined using the latest version of the EPA's Tanks program or equivalent method when fuel is being stored in the tank.
4. The total monthly VOC emissions shall be determined with the following equation:

$$VOC_{\text{total}} = \sum VOC_{\text{turbine}} + \sum VOC_{\text{engines}} + \sum VOC_{\text{storage tank}}$$

These calculations shall be made on a monthly basis and made available for inspection upon request by the commissioner.

5. Demonstration of compliance with the annual VOC premises limit shall be based on any consecutive 12 month time period and shall be determined by adding the current month's total VOC emissions to that of the previous 11 months.

The above statement shall not preclude the commissioner from requiring other means (e.g. stack testing) to demonstrate compliance with the above emission limits, as allowed by state or federal statute, law or regulation.

#### D. Hazardous Air Pollutants

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. [STATE ONLY REQUIREMENT]

#### E. Opacity

This equipment shall not exceed 20% opacity during any six minute block average as measured by 40 CFR Part 60, Appendix A, Reference Method 9.

### PART VIII. STACK EMISSION TEST REQUIREMENTS

- A. Stack emission testing shall be performed in accordance with the [Emission Test Guidelines](#) available on the DEEP website.
- B. Stack emission testing shall be performed at least once every five years from date of the last stack test while firing natural gas, and while firing No. 2 fuel oil at least once every five years from the date of the last oil stack test, or 700 hours operating on oil, whichever is longer. The stack test shall be for the following pollutants:

PM     PM<sub>10</sub>     PM<sub>2.5</sub>     SO<sub>2</sub>     NO<sub>x</sub>     CO  
 VOC     Opacity     Other (HAPs): Formaldehyde

- C. The following are the exceptions to the testing requirements:
  1. After the initial stack test, stack testing may not be required for pollutants requiring CEM (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.
  2. Compliance with the VOC emissions shall be determined by correlating the VOC emissions to gas turbine percent load using the results of periodic VOC emissions testing. VOC emissions shall be calculated and recorded on the CEM.

## **PART IX. SPECIAL REQUIREMENTS**

- A.** Records indicating continual compliance with all above conditions must be kept on site at all times and made available to the commissioner upon request for the duration of this permit, or for the previous five years, whichever is less.
- B.** All applicable sections of the following New Source Performance Standard(s) shall be complied with at all times.

40 CFR Part 60, Subparts A and KKKK

- C.** This equipment shall be operated and maintained in accordance with the manufacturer's specifications and written recommendations.
- D.** *Noise (for non-emergency use)*

The Permittee shall operate this premises 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.

## **PART X. 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 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.

- 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.