



**BUREAU OF AIR MANAGEMENT
 TITLE V OPERATING PERMIT**

Issued pursuant to Title 22a of the Connecticut General Statutes (CGS) and Section 22a-174-33 of the Regulations of Connecticut State Agencies (RCSA) and pursuant to the Code of Federal Regulations (CFR), Title 40, Part 70.

Title V Permit Number	093-0020-TV
Client/Sequence/Town/Premises Numbers	2245/001/093/0014
Date Issued	June 23, 2023
Expiration Date	June 23, 2028

Corporation:

Wheelabrator Lisbon, Inc.


Premises Location:

425 South Burnham Highway, Lisbon, CT 06380

Name of Responsible Official and Title:

John Horgan, Plant Manager

All the following attached pages, 2 through 67, are hereby incorporated by reference into this Title V permit.


 _____ for
 Katherine S. Dykes
 Deputy Commissioner

June 23, 2023
 Date

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Title V Operating Permit

All conditions in Sections III, IV, and VI of this Title V permit are enforceable by both the Administrator and the commissioner unless otherwise specified. Applicable requirements and compliance demonstration are set forth in Section III of this Title V permit. The Administrator or any citizen of the United States may bring an action to enforce all permit terms or conditions or requirements contained in Sections III, IV, and VI of this Title V permit in accordance with the Clean Air Act, as amended.

LIST OF ABBREVIATIONS/ACRONYMS

<i>Abbreviation/Acronym</i>	<i>Description</i>
%	Percent
°F	Degree Fahrenheit
acfm	Actual cubic feet per minute
ASC	Actual Stack Concentration
bhp	Brake Horsepower
BTU	British Thermal Units
CEM	Continuous Emission Monitor
CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
DEEP	Department of Energy and Environmental Protection
dscm	Dry standard cubic meters
EU	Emissions Unit
EPA	Environmental Protection Agency
FF	Fabric Filter
ft	Feet
ft ²	Square Feet
gal	Gallon
GEU	Grouped Emissions Unit
H ₂ O	Water
HAP	Hazardous Air Pollutant
HC	Hydrocarbon
HCl	Hydrogen Chloride
Hg	Mercury
hr	Hour
kg	Kilogram
lb	Pound
MASC	Maximum Allowable Stack Concentration
mg	Milligram
MMBtu	Million British Thermal Units
MRC	Maximum Rated Capacity
MSW	Municipal Solid Waste
MWC	Municipal Waste Combustor
ng	Nanogram
NH ₃	Ammonia
No.	Number
NO _x	Nitrogen Oxides
NSPS	New Source Performance Standard
NSR	New Source Review
O ₂	Oxygen
O&M	Operating and Maintenance
Pb	Lead
PDW	Processed Demolition Wood
PM	Particulate Matter

LIST OF ABBREVIATIONS/ACRONYMS, continued

<i>Abbreviation/Acronym</i>	<i>Description</i>
PM ₁₀	Particulate Matter less than 10 microns
ppmvd	Parts per million, volumetric basis dry
psig	Pounds per Square Inch (gage)
RCSA	Regulations of Connecticut State Agencies
RICE	Reciprocating Internal Combustion Engine
SDA	Spray Dryer Absorber
SIC	Standard Industrial Classification Code
SNCR	Selective Noncatalytic Reduction
SO ₂	Sulfur Dioxide
SOS	Standard Operating Scenario
tpd	Tons per day
tpy	Tons per year
VOC	Volatile Organic Compound
WAPC	Wheelabrator Air Pollution Control

Section I: Premises Information/Description

A. PREMISES INFORMATION

Nature of Business: Resource Recovery Facility
Primary SIC: 4953

Facility Mailing Address: Wheelabrator Lisbon, Inc.
P.O. Box 220
Taftville, CT 06380

Telephone Number: (860) 885-3512

B. PREMISES DESCRIPTION

Wheelabrator Lisbon Inc. operates a resource recovery facility in Lisbon, Connecticut. The facility exceeds the major source threshold for NO_x and HAPs, and is located in a serious ozone non-attainment area as defined in RCSA Section 22a-174-1(103). Municipal Solid Waste (MSW), a small percentage of processed demolition wood (PDW), and Special Waste are combusted to produce steam, which in turn is used to produce electricity. The municipal waste combustors are subject to the New Source Performance Standard (NSPS) of 40 CFR Part 60 Subpart Ea - "Standards of Performance for Municipal Waste Combustors for Which Construction is Commenced After December 20, 1989 and on or Before September 20, 1994." .

Municipal Waste Combustors:

Two Babcock & Wilcox waterwall furnace/natural circulation boilers (EU-1 and 2) combust MSW, PDW, and Special Waste to produce steam, which is in turn used to produce electricity. Propane is used for startup and flame stabilization. Each municipal waste combustor is equipped with a spray dryer absorber (SDA) for acid gas control, a fabric filter for particulate matter control, a selective noncatalytic reduction (SNCR) system for nitrogen oxide control, and a powdered activated carbon injection system for the control of mercury emissions. Each municipal waste combustor is also equipped with continuous emission monitors to monitor and record opacity, SO₂, NO_x and CO emissions. The municipal waste combustors operate under New Source Review Permit Nos. 093-0008 and 093-0009, originally issued on March 19, 1993 and last modified on April 25, 2007.

Lime Silo and Slakers:

A lime silo (EU-3) stores lime used in the spray dryer absorbers. It is equipped with a fabric filter for particulate matter control. The lime from the silos is slaked in two lime slakers (EU-4 and 5). Each slaker is equipped with a dust arrestor system. These units do not require NSR permits.

Ash Conditioner/Handling System:

The ash generated on the combustor grates and removed from the flue gas stream is introduced into the ash handling system (EU-6) where the ash is conveyed through metals removing equipment and an ash conditioning system. The exhaust from the ash handling equipment is equipped with a Thiel Air Technologies 4-stage scrubber with 99.99% control efficiency, used at the Permittee's discretion. EU-6 does not require a NSR permit at this time.

Emergency Fire Pump:

A 235 bhp Detroit Diesel DDFP-04AT engine (EU-7) powers an emergency fire pump. The maximum firing rate is 13 gal/hr of diesel fuel or 1.78 MMBtu/hr. EU-7 operates under the permit-by-rule regulations, RCSA Section 22a-174-3b. The engine is subject to 40 CFR Part 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, because it is a stationary RICE located at a major source of HAPs.

Section I: Premises Information/Description

Emergency Engine:

A Kohler 35RZ71 emergency engine (EU-12) is operated at the sanitary lift station. The maximum firing rate is 5.92 gal/hr of propane or 0.54 MMBtu/hr. EU-12 has potential emissions less than 15 tons per year, and therefore, does not require a permit. However, the engine is subject to 40 CFR Part 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, because it is a stationary RICE located at a major source of HAPs.

Section II: Emissions Units Information

A. EMISSIONS UNITS DESCRIPTION

Emissions units are set forth in Table II.A It is not intended to incorporate by reference these NSR Permits or Regulations into this Title V permit.

TABLE II.A: EMISSIONS UNITS DESCRIPTION				
Emissions Unit	Emissions Unit Description	Control Unit Description	Permit or Regulation Number	
<p>GEU-1 Municipal Waste Combustors</p>	<p>EU-1 and EU-2</p>	<p>Two Babcock & Wilcox Waterwall Furnace/Natural Circulation Boilers Installation Year: 1994</p> <p>Incinerator Design MSW Heat Input Rate (MMBtu/hr): 121.93 Design Unit Load (Steam Production) (lb/hr): 75,000 Steam Temperature at Superheater Outlet (°F): 830 Steam Pressure at Superheater Outlet (psig): 900</p> <p>Auxiliary Burner System Number of Burners: Two Burner Manufacturer/Model: Babcock & Wilcox Fuel Type: Propane Maximum Fuel Firing Rate (gal/hr): 177.5 each burner Maximum Gross Heat Input Rate (MMBtu/hr): 16.25 each burner</p>	<p>Each MWC is equipped with a Spray Dryer Absorber, a Fabric Filter, a Selective Noncatalytic Reduction, and a Powdered Activated Carbon Injection System</p> <p>Control Equipment</p> <p>Fabric Filter: 4 compartments @ 5390 ft² each - a minimum of 3 compartments must be in service at all times (i.e., one compartment may be taken off-line due to malfunctions or maintenance purposes only)</p> <p>Make and Model: WAPC Pulse Jet Size FA1715TA Model 156 Series 6P Air to Cloth Ratio: 3.87:1 @ 62,715 acfm with 3 compartments in service Bag Material: Felt Polyester, Glass Fiber/Membrane or Equivalent Cleaning Method: Automatic Pressure Drop Across Each Compartment (inches H₂O): 4-12 Pressure Drop Across Fabric Filter (inches H₂O): 4-12 Design Removal Efficiency (%): 99+</p>	<p>NSR Permit Nos. 093-0008 and 093-0009 40 CFR Part 60 Subpart Ea RCSA §22a-174-38</p>

Section II: Emissions Units Information

TABLE II.A: EMISSIONS UNITS DESCRIPTION				
		<p>Stack Parameters Minimum Stack Height (ft above grade): 266.25 Minimum Exhaust Gas Flow Rate at MRC (acfm): 52,602 @ 270°F Typical Stack Exit Temperature, Range (°F): 250-350 Minimum Distance from Stack to Property Line (ft): 225</p>	<p>Spray Dryer Absorber: Make: WAPC Control Reagent: Lime Slurry Lime Usage (lb/hr): 200-600 Water Usage (gal/hr): 300-1200 Inlet Gas Temperature (°F): 375-525 Pressure Drop Across Scrubber (inches H₂O): 0.7-4.5</p> <p>Selective Noncatalytic Reduction System: Make and Model: WAPC NO_xOUT® Control Reagent: Urea Solution Reagent Injection Rate (gal/hr): 2-15 Temperature Range (°F): 1200-2000 Furnace Mixing Time: Minimum 0.5 seconds NH₃/NO_x Molar Ratio: 0.49-0.86 Design Removal Efficiency (%): 35</p> <p>Powdered Activated Carbon Injection System: Make and Model: Norit Americas Inc. Porta-PAC™ Control Reagent: Powdered Activated Carbon Activated Carbon Injection Rate (lb/hr): 0-25</p>	
EU-6		<p>Ash Conditioner/Handling System Installation Year: 1994 MRC: 162 tpd</p>	Scrubber (Optional)	<p>NSR Permit Nos. 093-0008 and 093-0009 RCSA §22a-174-38</p>

Section II: Emissions Units Information

TABLE II.A: EMISSIONS UNITS DESCRIPTION				
GEU-2 Emergency Engines	EU-7	Detroit Diesel DDFP-04AT Diesel-Fired Emergency Engine Installation Year: 1994 MRC: 13 gal/hr	None	RCSA §22a-174-3b 40 CFR Part 63 Subpart ZZZZ
	EU-12	Kohler 35RZ71 Propane-Fired Emergency Engine Installation Year: 1994 MRC: 5.92 gal/hr	None	40 CFR Part 63 Subpart ZZZZ

B. OPERATING SCENARIO IDENTIFICATION

The Permittee shall be allowed to operate under the following Standard Operating Scenarios (SOS) without notifying the commissioner, provided that such operations are explicitly provided for and described in Table II.B. There are no Alternate Operating Scenarios for the premises.

TABLE II.B: OPERATING SCENARIO IDENTIFICATION		
Identification of Operating Scenario	Emissions Units Associated with the Scenario	Description of Scenario
SOS	GEU-1	The standard operation of the municipal waste combustors is the combustion of MSW, PDW, and Special Waste to produce steam, which in turn is used to generate electricity.
	EU-6	The standard operation of the ash conditioner/handling system is to remove the ash from the combustor grates, convey the ash through metals removing equipment and an ash conditioning system, and load the ash onto trucks for removal from the facility.
	GEU-2	The standard operation of the Detroit Diesel DDFP-04AT emergency engine (EU-7) is to power an emergency fire pump. The standard operation of the Kohler 35RZ71 emergency engine (EU-12) is to supply power in emergency situations at the sanitary lift station.

Section III: Applicable Requirements and Compliance Demonstration

The following contains summaries of applicable regulations and compliance demonstration for each identified Emissions Unit and Operating Scenario, regulated by this Title V permit.

A. GEU-1 MUNICIPAL WASTE COMBUSTORS [EU-1 AND EU-2]

1. Allowable Fuels/Materials, Maximum Charging Rate and Hours of Operation

a. Limitation or Restriction

- i. The Permittee shall only use the following fuels: [NSR Permit Nos. 093-0008 and 093-0009]
 - (A) MSW as defined and restricted under CGS §22a-207 et seq. and any applicable Bureau of Materials Management and Compliance Assurance permit;
 - (B) PDW as defined and restricted under CGS §22a-208x(a)(2) and any applicable Bureau of Materials Management and Compliance Assurance permit; and
 - (C) Special Waste, as allowed by the Permittee's Special Waste Disposal Authorization Plan or upon prior authorization by the commissioner.
- ii. The maximum allowable daily charging rate of MSW and PDW is based upon the maximum allowable heat input rate to the Municipal Waste Combustor (MWC) of 121.93 MMBtu/hr in accordance with the charts in Appendix G of NSR Permit Nos. 093-0008 and 093-0009, and the heating values of MSW and PDW. Maximum Charging Rate for each of the two MWCs is: [NSR Permit Nos. 093-0008 and 093-0009]
 - (A) MSW: 281.4 tpd based on a design higher heating value of 5200 Btu/lb.
 - (B) Combination of MSW and PDW: 281.4 tpd of a combination of MSW and PDW with up to 18 tpd of PDW.

b. Monitoring Requirements

- i. The Permittee shall determine the monthly quantity of MSW and PDW for the facility by summing the truck scale house weight data for the month minus the refuse pit inventory measured on the Sunday nearest to the end of the month and pro-rated for the full month. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall determine the quantity of Special Waste received by the facility in accordance with the Special Waste permit. [NSR Permit Nos. 093-0008 and 093-0009]

c. Record Keeping Requirements

- i. The Permittee shall make and keep records summarizing the monthly and consecutive 12 month quantity of MSW, PDW and Special Waste combusted for the facility. The consecutive 12 month quantity of MSW, PDW and Special Waste combusted shall be determined by adding the current month's MSW, PDW and Special Waste combusted to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of each month. [NSR Permit Nos. 093-0008 and 093-0009]

Section III: Applicable Requirements and Compliance Demonstration

- ii. For each MWC unit, the Permittee shall record the daily hours of operation, in which periods of startup and shutdown are distinguished. The Permittee shall label each record with the time and calendar date on which the data was generated. [RCSA §§22a-174-38(k)(1) and (13)]
- iii. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. The annual report shall include the monthly and consecutive 12 month quantity of MSW, PDW and Special Waste combusted for the facility. [NSR Permit Nos. 093-0008 and 093-0009]

2. Auxiliary Burner System

a. Limitation or Restriction

- i. The auxiliary burner system shall only burn propane. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The auxiliary burner system of each MWC shall combust no more than 1,009,574 gallons of propane over any consecutive 12 month period. [NSR Permit Nos. 093-0008 and 093-0009]

b. Monitoring Requirements

The Permittee shall use either fuel purchase receipts or a non-resettable totalizing fuel meter to continuously monitor propane combusted by the auxiliary burner system of each MWC. [NSR Permit Nos. 093-0008 and 093-0009]

c. Record Keeping Requirements

- i. For each MWC, the Permittee shall record the daily amount of propane combusted. The Permittee shall label each record with the time and calendar date on which the data was generated. [RCSA §§22a-174-38(k)(1) and (13)]
- ii. The Permittee shall make and keep records of monthly and consecutive 12 month amount of propane combusted by the auxiliary burner system of each MWC. The consecutive 12 month amount of propane combusted shall be determined by adding the current month's propane combusted to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of each month. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. The annual report shall include the monthly and consecutive 12 month amount of propane combusted by the auxiliary burner system for each MWC. [NSR Permit Nos. 093-0008 and 093-0009]

Section III: Applicable Requirements and Compliance Demonstration

3. Unit Load

a. Limitation or Restriction

- i. The MWC maximum unit load (steam production), for each of the two MWCs, shall not exceed 75,000 lb/hr, based on a 4-hour block average. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall not cause or allow the MWCs to operate at a MWC unit load greater than 110% of the maximum demonstrated MWC unit load, based on a 4-hour block average, measured during the most recent performance test for dioxin/furan emissions for which compliance with the dioxin/furan emissions limit was achieved. MWC unit load shall be measured by a steam flow meter. [RCSA §22a-174-38(g)(2)]
- iii. The Permittee may, notwithstanding RCSA Sections 22a-174-38(g)(1) and (2), during the annual dioxin/furan emissions performance test and for two weeks prior to such test, allow MWC unit load limits in excess of that specified in RCSA Section 22a-174-38(g)(2). However, should the Permittee operate the unit(s) at such excess load, the Permittee shall not again be allowed to operate at such excess load during that test period without the approval of the commissioner should the annual dioxin/furan emission performance test be postponed. [RCSA §22a-174-38(g)(3)]

b. Monitoring Requirements

- i. The Permittee shall install, operate, calibrate and maintain steam flow meters to continuously monitor and record the MWC unit load (steam production). Averaging time is a 4-hour block average. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(j)(1)]
- ii. The steam flow meters shall meet the requirements of 40 CFR §60.1810(a). [RCSA §22a-174-38(j)(1)(F)]
- iii. The Permittee shall comply with the following minimum data requirements: [RCSA §22a-174-38(j)(2)]
 - (A) Data available for the unit load CEMs shall not be less than 90% of the total operating hours in any one calendar quarter and not less than 95% of the total operating hours in any one calendar year;
 - (B) Obtain valid 1-hour averages for 75% of the operating hours per day for 90% of the operating days per calendar quarter during which the units combust any municipal solid waste;
 - (C) At least three equally spaced data points per hour shall be used to calculate a 1-hour average; and
 - (D) The percentage of data available shall be calculated as follows:
 - (1) In accordance with the procedures specified on forms furnished or prescribed by the commissioner, and
 - (2) Using all data obtained from the unit load CEMs to calculate emissions concentrations and percent reductions as required by RCSA Section 22a-174-38 regardless of whether the minimum data availability requirements of RCSA Section 22a-174-38(j)(2)(A) are obtained.

Section III: Applicable Requirements and Compliance Demonstration

c. Record Keeping Requirements

- i. The Permittee shall make and maintain records of the 1-hour average MWC unit load measurements and the 4-hour block average MWC unit load measurements. [RCSA §§22a-174-38(k)(3) and (4)]
- ii. The Permittee shall make and maintain records of the calendar dates when the average unit loads exceeded the applicable limit, the reason for such exceedances, a description of corrective actions taken, and a description of the measures taken to prevent future exceedances. [RCSA §22a-174-38(k)(5)]
- iii. The Permittee shall make and maintain records of the calendar dates for which the minimum number of hours of any data required by RCSA Section 22a-174-38 have not been obtained, the reasons for not obtaining sufficient data, a description of corrective actions taken, and a description of the measures taken to prevent future losses of data. [RCSA §22a-174-38(k)(6)]
- iv. The Permittee shall identify any exclusion of unit load operational data from the calculation of average unit load and the reason for such exclusion. [RCSA §22a-174-38(k)(7)]
- v. The Permittee shall label each record with the time and calendar date on which the data was generated and all records shall be maintained for a period of at least five years from the date the record was created. [RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

- i. The Permittee shall review all recorded unit load CEM data daily. The Permittee shall notify the commissioner in writing, on forms prescribed by the commissioner, of any deviation, 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, no later than ten days after such deviation commenced. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall report all unit load CEM data, to the Commissioner on a quarterly basis using a 1-hour block average. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. The Permittee shall submit a quarterly report to the commissioner within 30 days following the end of each calendar quarter in which the data were collected. Each quarterly report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(l)(2) and (7), and shall be submitted in the manner specified in RCSA Sections 22a-174-38(l)(8) and (9). [RCSA §§22a-174-38(l)(2) and (7)-(9)]
- iv. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(l)(3) and (7), and shall be submitted in the manner specified in RCSA Sections 22a-174-38(l)(8) and (9). [RCSA §§22a-174-38(l)(3) and (7)-(9)]

4. Inlet Gas Temperature of Fabric Filter

a. Limitation or Restriction

- i. The Permittee shall not cause or allow the MWCs to operate at a temperature, measured at each particulate control device inlet, more than 17 degrees centigrade, based on a 4-hour block average,

Section III: Applicable Requirements and Compliance Demonstration

above the maximum demonstrated particulate matter control device temperature measured during the most recent performance test for dioxin/furan emissions for which compliance with the dioxin/furan emissions limit was achieved. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(g)(1)]

- ii. The Permittee may, notwithstanding RCSA Sections 22a-174-38(g)(1) and (2), during the annual dioxin/furan emissions performance test and for two weeks prior to such test, allow temperatures in excess of that specified in RCSA Section 22a-174-38(g)(1). However, should the Permittee operate the unit at such excess temperatures, the Permittee shall not again be allowed to operate at such excess temperatures during that test period without the approval of the commissioner should the annual dioxin/furan emission performance test be postponed.
[NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(g)(3)]

b. Monitoring Requirements

- i. The Permittee shall install, operate, calibrate and maintain continuous monitoring systems to continuously monitor and record the fabric filter inlet temperature. Averaging time is a 4-hour block average. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(j)(1)]
- ii. The Permittee shall monitor the fabric filter inlet temperature using redundant thermocouples. Thermocouples shall be inspected semiannually and the signal transmitters shall be calibrated semiannually. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. The Permittee shall comply with the following minimum data requirements:
[RCSA §22a-174-38(j)(2)]
 - (A) Data available for the fabric filter inlet temperature CEMs shall not be less than 90% of the total operating hours in any one calendar quarter and not less than 95% of the total operating hours in any one calendar year;
 - (B) Obtain valid 1-hour averages for 75% of the operating hours per day for 90% of the operating days per calendar quarter during which the units combust any municipal solid waste;
 - (C) At least three equally spaced data points per hour shall be used to calculate a 1-hour average; and
 - (D) The percentage of data available shall be calculated as follows:
 - (1) In accordance with the procedures specified on forms furnished or prescribed by the commissioner, and
 - (2) Using all data obtained from the fabric filter inlet temperature CEMs to calculate emissions concentrations and percent reductions as required by RCSA Section 22a-174-38 regardless of whether the minimum data availability requirements of RCSA Section 22a-174-38(j)(2)(A) are obtained.

c. Record Keeping Requirements

- i. The Permittee shall make and maintain records of the 1-hour average fabric filter inlet temperatures and the 4-hour block average fabric filter inlet temperatures. [RCSA §§22a-174-38(k)(3) and (4)]

Section III: Applicable Requirements and Compliance Demonstration

- ii. The Permittee shall make and maintain records of the calendar dates when the average fabric filter inlet temperatures exceeded the applicable limit, the reason for such exceedances, a description of corrective actions taken, and a description of the measures taken to prevent future exceedances. [RCSA §22a-174-38(k)(5)]
- iii. The Permittee shall make and maintain records of the calendar dates for which the minimum number of hours of any data required by RCSA Section 22a-174-38 have not been obtained, the reasons for not obtaining sufficient data, a description of corrective actions taken, and a description of the measures taken to prevent future losses of data. [RCSA §22a-174-38(k)(6)]
- iv. The Permittee shall identify any exclusion of fabric filter inlet gas temperature operational data from the calculation of average fabric filter inlet temperature and the reason for such exclusion. [RCSA §22a-174-38(k)(7)]
- v. The Permittee shall label each record with the time and calendar date on which the data was generated and all records shall be maintained for a period of at least five years from the date the record was created. [RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

- i. The Permittee shall review all recorded fabric filter inlet temperature CEM data daily. The Permittee shall notify the commissioner in writing, on forms prescribed by the commissioner, of any deviation, 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, no later than ten days after such deviation commenced. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall report all fabric filter inlet temperature CEM data to the commissioner on a quarterly basis using a 1-hour block average. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. The Permittee shall submit a quarterly report to the commissioner within 30 days following the end of each calendar quarter in which the data were collected. Each quarterly report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(l)(2) and (7), and shall be submitted in the manner specified in RCSA Sections 22a-174-38(l)(8) and (9). [RCSA §§22a-174-38(l)(2) and (7)-(9)]
- iv. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(l)(3) and (7), and shall be submitted in the manner specified in RCSA Sections 22a-174-38(l)(8) and (9). [RCSA §§22a-174-38(l)(3) and (7)-(9)]

5. Particulate Matter

a. Limitation or Restriction

- i. The Permittee shall not cause or allow emission of PM in excess of 23 mg/dscm of exhaust gas corrected to 7% O₂, from each MWC. This emission limit shall apply at all times except during periods of startup, shutdown, or malfunction as set forth in RCSA Section 22a-174-38(c)(11). [NSR Permit Nos. 093-0008 and 093-0009]

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- ii. The emissions of PM from each MWC shall not exceed 11.0 tpy. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. In the event that the PM emission rate exceeds 43.5 mg/dscm of exhaust gas corrected to 7% O₂, as determined through stack testing compliance data, and the cause cannot be corrected within 24 hours, the Permittee shall immediately institute a furnace shutdown procedure in accordance with the approved O&M Manual (incorporated by reference into NSR Permit Nos. 093-0008 and 093-0009). The furnace will be permitted to restart only after the Permittee demonstrates to the commissioner's satisfaction that sufficient corrective action has been taken. Within three days after restarting operation under this circumstance, the Permittee shall demonstrate in writing to the commissioner's satisfaction that it is in compliance with the PM emission limit. The commissioner shall determine the need and scope of further testing to the extent necessary to document compliance, and the Permittee shall conduct such testing as the commissioner determines is necessary to document compliance. [NSR Permit Nos. 093-0008 and 093-0009]

b. Monitoring and Testing Requirements

- i. Continuous compliance with the PM emission limit shall be determined based on an annual performance test. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(c)(3)]
- ii. The Permittee shall conduct an annual performance test for PM, for each MWC, at least once per calendar year, under representative full load operating conditions, and as set forth in RCSA Section 22a-174-38(i). Such test shall be conducted no less than 9 calendar months and no more than 15 calendar months following the previous test. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(i)(2)]
- iii. Testing for PM shall be conducted in accordance with the following procedures: [RCSA §22a-174-38(i)(4)(A)]
 - (A) 40 CFR Part 60, Appendix A, Reference Method 1 shall be used to select the sampling site and number of traverse points;
 - (B) 40 CFR Part 60, Appendix A, Reference Method 3 shall be used for flue gas analysis;
 - (C) 40 CFR Part 60, Appendix A, Reference Method 5 or 29 shall be used for determining compliance with the PM emission limit. For each Method 5 or Method 29 test run: the minimum sample volume shall be 1.7 cubic meters; the probe and filter holder heating systems in the sample train shall be set to provide a gas temperature no greater than 160 degrees centigrade; and an O₂ or CO₂ measurement shall be obtained simultaneously. For each Method 29 test run, the minimum sample time shall be two hours; and
 - (D) The compliance determination for PM shall be based on an arithmetic average determined using all data generated in three test runs as required by RCSA Section 22a-174-38.

c. Record Keeping Requirements

- i. The Permittee shall maintain records of the test reports and supporting calculations documenting the results of all annual performance tests conducted to determine compliance with the emission limits specified in RCSA Section 22a-174-38 for PM. The Permittee shall label each record with the time and calendar date on which the data was generated. [RCSA §§22a-174-38(k)(1) and (10)]

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- ii. The Permittee shall calculate and record calendar year PM emissions in units of tpy for each MWC. Such records shall include a sample calculation. The Permittee shall make these calculations within 30 days of the end of each calendar year. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

- i. The Permittee shall submit a performance test plan for review and written approval of the commissioner, at least 90 days before a required performance test is conducted. At a minimum, the plan shall contain information regarding sampling locations, test methods, sampling protocols, sampling analysis procedures, and any other information required by the commissioner. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(l)(4)]
- ii. The Permittee shall provide written notification to the commissioner three business days prior to conducting the performance test. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(l)(5)]
- iii. The Permittee shall submit an acceptable test report to the commissioner within 60 days of the completion of the performance test. [NSR Permit Nos. 093-0008 and 093-0009]
- iv. The Permittee shall provide written notification to the commissioner within 72 hours of the time at which the Permittee receives information regarding performance test results indicating that any PM emission levels exceed the applicable emission limits defined in RCSA Section 22a-174-38. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(l)(6)]
- v. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(l)(3) and (7), the calendar year emissions for PM in units of tpy for each MWC, and shall be submitted in the manner specified in RCSA Sections 22a-174-38(l)(8) and (9). [NSR Permit Nos. 093-0008 and 093-0009; RCSA §§22a-174-38(l)(3) and (7)-(9)]

6. Opacity

a. Limitation or Restriction

The Permittee shall not cause or allow visible emissions in excess of 10% opacity. This emission limit shall apply at all times except during periods of startup, shutdown, or malfunction as set forth in RCSA Section 22a-174-38(c)(11). [NSR Permit Nos. 093-0008 and 093-0009]

b. Monitoring Requirements

- i. Continuous compliance with the opacity emission limit shall be based on a six-minute arithmetic average. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(c)(5)]
- ii. The Permittee shall install, operate, calibrate and maintain continuous emission monitoring systems for opacity in a manner acceptable to the commissioner and shall certify to the commissioner, in writing, that the equipment specifications for the continuous emission monitoring systems have been and are being met. [RCSA §22a-174-38(j)(1)]

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- iii. Opacity monitors shall meet the applicable performance and quality assurance requirements of 40 CFR Part 60, Appendix B, Performance Specification 1; RCSA Section 22a-174-4a; and 40 CFR §60.13. [RCSA §22a-174-38(j)(1)(A)]
- iv. The Permittee shall comply with the following minimum data requirements:
[RCSA §22a-174-38(j)(2)]
 - (A) Data available for the opacity CEMs shall not be less than 95% of the total operating hours in any one calendar quarter; and [RCSA §22a-174-38(j)(2)(B)]
 - (B) The percentage of data available shall be calculated as follows: [RCSA §22a-174-38(j)(2)(F)]
 - (1) In accordance with the procedures specified on forms furnished or prescribed by the commissioner; and
 - (2) Using all data obtained from a CEM to calculate emissions concentrations and percent reductions as required by this section regardless of whether the minimum data availability requirements of subparagraphs (A) and (B) of this subdivision are obtained.
- v. For the purpose of compliance with the opacity emission limit, during each period of startup, shutdown, or malfunction, the opacity limits shall not be exceeded during more than five six-minute arithmetic average measurements. [RCSA §22a-174-38(c)(11)(B)]

c. Record Keeping Requirements

- i. The Permittee shall make and maintain records of the six-minute arithmetic average opacity levels. [RCSA §22a-174-38(k)(3)]
- ii. The Permittee shall make and maintain records of the calendar dates when the average opacity levels exceeded the applicable limit, the reason for such exceedances, a description of corrective actions taken, and a description of the measures taken to prevent future exceedances. [RCSA §22a-174-38(k)(5)]
- iii. The Permittee shall make and maintain records of the calendar dates for which the minimum number of hours of any data required by RCSA Section 22a-174-38 have not been obtained, the reasons for not obtaining sufficient data, a description of corrective actions taken, and a description of the measures taken to prevent future losses of data. [RCSA §22a-174-38(k)(6)]
- iv. The Permittee shall make and maintain records of the results of daily calibrations and quarterly accuracy determinations for the opacity CEMs. [RCSA §22a-174-38(k)(8)]
- v. The Permittee shall label each record with the time and calendar date on which the data was generated and all records shall be maintained for a period of at least five years from the date the record was created. [RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

- i. The Permittee shall review all recorded opacity CEM data daily. The Permittee shall notify the commissioner in writing, on forms prescribed by the commissioner, of any deviation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventative measures

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taken with respect thereto, and the dates of such actions and measures no later than ten days after such deviation commenced. [NSR Permit Nos. 093-0008 and 093-0009]

- ii. The Permittee shall report all opacity CEM data to the commissioner on a quarterly basis using a six-minute arithmetic average. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. The Permittee shall provide written notification to the commissioner within 72 hours of the time at which the Permittee receives information regarding performance test results indicating that any opacity emission levels exceed the applicable emission limits defined in RCSA Section 22a-174-38. [NSR Permit Nos. 093-0008 and 093-0009]
- iv. The Permittee shall submit a quarterly report to the commissioner within 30 days following the end of each calendar quarter in which the data were collected. Each quarterly report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(1)(2) and (7), and shall be submitted in the manner specified in RCSA Sections 22a-174-38(1)(8) and (9). [RCSA §§22a-174-38(1)(2) and (7)-(9)]
- v. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(1)(3) and (7), and shall be submitted in the manner specified in RCSA Sections 22a-174-38(1)(8) and (9). [RCSA §§22a-174-38(1)(3) and (7)-(9)]

7. Sulfur Dioxide

a. Limitation or Restriction

- i. The Permittee shall not cause or allow emission of SO₂ in excess of 29 ppmvd corrected to 7% O₂, based on a 24-hour daily geometric average, or shall achieve 80% reduction by weight or volume measured as required by RCSA Section 22a-174-38(c)(7), whichever is less stringent, not to exceed 66 ppmvd corrected to 7% O₂, based on a 24-hour daily geometric average, from each MWC. These emission limits shall apply at all times except during periods of startup, shutdown, or malfunction as set forth in RCSA Section 22a-174-38(c)(11). [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall not cause or allow emission of SO₂ in excess of 50 ppmvd corrected to 7% O₂, based on a 3-hour rolling average, or shall achieve 65% reduction by weight or volume measured as required by RCSA Section 22a-174-38(c)(7), whichever is less stringent, not to exceed 115 ppmvd corrected to 7% O₂, based on a 3-hour rolling average, from each MWC. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. Each MWC shall not emit greater than 42.45 tons of SO₂ per calendar year. [NSR Permit Nos. 093-0008 and 093-0009]
- iv. In the event that the spray dryer absorber control efficiency for SO₂ falls below 75% by weight or volume measured as required by RCSA Section 22a-174-38(c)(7) and the SO₂ emission rate exceeds 32 ppmvd corrected to 7% O₂, based on a 24-hour daily geometric average, as determined through CEM compliance data, and the cause cannot be corrected within 24 hours, the Permittee shall immediately institute a furnace shutdown procedure in accordance with the O&M Manual. The furnace will be permitted to restart only after the Permittee demonstrated to the commissioner's satisfaction that sufficient corrective action has been taken. Within three days after restarting operation under this circumstance, the Permittee shall demonstrate, in writing to the commissioner

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that it is in compliance with the SO₂ permit conditions. The commissioner shall determine the need and scope of further testing to the extent necessary to document compliance, and the Permittee shall conduct such testing as the commissioner determines is necessary to document compliance. [NSR Permit Nos. 093-0008 and 093-0009]

b. Monitoring Requirements

- i. The Permittee shall install, operate and calibrate continuous emission monitoring systems for SO₂ in a manner acceptable to the commissioner and shall certify to the commissioner, in writing, that the equipment specifications for the continuous emission monitoring systems have been and are being met. [RCSA §22a-174-38(j)(1)]
- ii. SO₂ monitors shall: [RCSA §22a-174-38(j)(1)(C)]
 - (A) Meet the applicable performance and quality assurance requirements of 40 CFR Part 60, Appendix B, Performance Specification 2; 40 CFR Part 60, Appendix F, Procedure 1; and 40 CFR §60.13, and
 - (B) For units that have actual inlet emissions less than 100 ppmvd, the relative accuracy criterion for inlet SO₂ CEM systems should be no greater than 20% of the mean value of the reference method test data in terms of the units of the emission standard, or five ppmvd absolute value of the mean difference between the reference method and the continuous emission monitoring systems, whichever is greater.
- iii. Continuous compliance with the SO₂ emission limits shall be based on a 24-hour daily geometric average of the hourly arithmetic average emission concentrations using CEM system outlet data if compliance is based on an emission concentration, or CEM system inlet and outlet data if compliance is based on a percent reduction. [NSR Permit Nos. 093-0008 and 093-0009]
- iv. For an emission limit measured as a percent reduction, compliance shall be determined by measuring the concentration of SO₂ at the outlet of the air pollution control device that discharges directly to the stack, subtracting it from the concentration at the inlet of the air pollution control device that receives exhaust gases directly from the combustion chamber, dividing the difference by the concentration of SO₂ at the inlet to the air pollution control device that receives exhaust gases directly from the combustion chamber and then multiplying that result by a factor of 100. [RCSA §22a-174-38(c)(7)]
- v. The Permittee shall comply with the following minimum data requirements: [RCSA §22a-174-38(j)(2)]
 - (A) Data available for the SO₂ CEMs shall not be less than 90% of the total operating hours in any one calendar quarter and not less than 95% of the total operating hours in any one calendar year;
 - (B) Obtain valid 1-hour averages for 75% of the operating hours per day for 90% of the operating days per calendar quarter during which the units combust any municipal solid waste;
 - (C) At least three equally spaced data points per hour shall be used to calculate a 1-hour average;
 - (D) The percentage of data available shall be calculated as follows:
 - (1) In accordance with the procedures specified on forms furnished or prescribed by the

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commissioner, and

- (2) Using all data obtained from the SO₂ CEMs to calculate emissions concentrations and percent reductions as required by RCSA Section 22a-174-38 regardless of whether the minimum data availability requirements of RCSA Section 22a-174-38(j)(2)(A) are obtained.
- vi. During a loss of boiler water level control or a loss of combustion air control malfunction period, a diluent cap of 14% for O₂ may be used in the emissions calculations for SO₂. [RCSA §22a-174-38(j)(3)]

c. Record Keeping Requirements

- i. The Permittee shall make and maintain records of the 1-hour average SO₂ emission concentrations, the 1-hour average SO₂ reduction efficiency levels, the 24-hour daily geometric average SO₂ emission concentrations, and the 24-hour daily geometric average percent reductions in SO₂ emissions. [RCSA §§22a-174-38(k)(3) and (4)]
- ii. The Permittee shall make and maintain records of the calendar dates when the average SO₂ emission concentrations and percent reductions exceeded the applicable limit, the reason for such exceedances, a description of corrective actions taken, and a description of the measures taken to prevent future exceedances. [RCSA §22a-174-38(k)(5)]
- iii. The Permittee shall make and maintain records of the calendar dates for which the minimum number of hours of any data required by RCSA Section 22a-174-38 have not been obtained, the reasons for not obtaining sufficient data, a description of corrective actions taken, and a description of the measures taken to prevent future losses of data. [RCSA §22a-174-38(k)(6)]
- iv. The Permittee shall identify any exclusion of SO₂ emissions data from the calculation of average SO₂ emission concentration and the reason for such exclusion. [RCSA §22a-174-38(k)(7)]
- v. The Permittee shall make and maintain records of the results of daily calibrations and quarterly accuracy determinations for the SO₂ CEMs. [RCSA §22a-174-38(k)(8)]
- vi. The Permittee shall label each record listed in Section III.A.7.c.i through v of this Title V permit with the time and calendar date on which the data was generated. [RCSA §22a-174-38(k)(1)]
- vii. The Permittee shall calculate and record calendar year SO₂ emissions in units of tpy for each MWC. Such records shall include a sample calculation. The Permittee shall make these calculations within 30 days of the end of each calendar year. [NSR Permit Nos. 093-0008 and 093-0009]
- viii. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

- i. The Permittee shall review all recorded SO₂ CEM data daily. The Permittee shall notify the commissioner in writing, on forms prescribed by the commissioner, of any deviation, 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, no later than ten days after such deviation commenced. [NSR Permit Nos. 093-0008 and 093-0009]

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- ii. The Permittee shall report all SO₂ CEM data to the commissioner on a quarterly basis using a 1-hour block average. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. The Permittee shall submit a quarterly report to the commissioner within 30 days following the end of each calendar quarter in which the data were collected. Each quarterly report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(1)(2) and (7), and shall be submitted in the manner specified in RCSA Sections 22a-174-38(1)(8) and (9). [RCSA §§22a-174-38(1)(2) and (7)-(9)]
- iv. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(1)(3) and (7), the calendar year emissions for SO₂ in units of tpy for each MWC, and shall be submitted in the manner specified in RCSA Sections 22a-174-38(1)(8) and (9). [NSR Permit Nos. 093-0008 and 093-0009; RCSA §§22a-174-38(1)(3) and (7)-(9)]

8. Nitrogen Oxides

a. Limitation or Restriction

- i. The Permittee shall not cause or allow emission of NO_x in excess of 150 ppmvd corrected to 7% O₂, based on a 24-hour daily average, from each MWC. This emission limit shall apply at all times except during periods of startup, shutdown, or malfunction as set forth in RCSA Section 22a-174-38(c)(11). [RCSA §22a-174-38(c)(8)(B)]
- ii. During the warm-up period when no municipal solid waste is being combusted and only propane is being combusted, and during periods of startup, shutdown, and malfunction, the Permittee shall not cause or allow emission of NO_x in excess of 300 ppmvd corrected to 7% O₂, based on a 24-hour daily average, from each MWC. The warm-up period shall be limited to eight hours per occurrence. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. The Permittee shall not cause or allow the emission of NO_x in excess of 148.35 tpy from each MWC. [NSR Permit Nos. 093-0008 and 093-0009]
- iv. In the event that the NO_x emission rate exceeds 300 ppmvd corrected to 7% O₂, based on a 24-hour daily average, as determined through CEM compliance data, and the cause cannot be corrected within 24 hours, the Permittee shall immediately institute a furnace shutdown procedure in accordance with the O&M Manual. The furnace will be permitted to restart only after the Permittee demonstrates to the commissioner's satisfaction that sufficient corrective action has been taken. Within three days after restarting operation, the Permittee shall demonstrate, in writing to the commissioner that it is in compliance with the NO_x permit conditions. The commissioner shall determine the need and scope of further testing to the extent necessary to document compliance, and the Permittee shall conduct such testing as the commissioner determines is necessary to document compliance. [NSR Permit Nos. 093-0008 and 093-0009]

b. Monitoring Requirements

- i. Continuous compliance with the NO_x emission limits shall be determined using CEM data. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall install, operate and calibrate continuous emission monitoring systems for NO_x in

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a manner acceptable to the commissioner and shall certify to the commissioner, in writing, that the equipment specifications for the continuous emission monitoring systems have been and are being met. [RCSA §22a-174-38(j)(1)]

- iii. NO_x monitors shall meet the applicable performance and quality assurance requirements of 40 CFR Part 60, Appendix B, Performance Specification 2; 40 CFR Part 60, Appendix F, Procedure 1; and 40 CFR §60.13. [RCSA §22a-174-38(j)(1)(D)]
- iv. The Permittee shall comply with the following minimum data requirements:
[RCSA §22a-174-38(j)(2)]
 - (A) Data available for the NO_x CEMs shall not be less than 90% of the total operating hours in any one calendar quarter and not less than 95% of the total operating hours in any one calendar year;
 - (B) Obtain valid 1-hour averages for 75% of the operating hours per day for 90% of the operating days per calendar quarter during which the units combust any municipal solid waste;
 - (C) At least three equally spaced data points per hour shall be used to calculate a 1-hour average; and
 - (D) The percentage of data available shall be calculated as follows:
 - (1) In accordance with the procedures specified on forms furnished or prescribed by the commissioner, and
 - (2) Using all data obtained from the NO_x CEMs to calculate emissions concentrations and percent reductions as required by RCSA Section 22a-174-38 regardless of whether the minimum data availability requirements of RCSA Section 22a-174-38(j)(2)(A) are obtained.
- v. During a loss of boiler water level control or a loss of combustion air control malfunction period, a diluent cap of 14% for O₂ may be used in the emissions calculations for NO_x.
[RCSA §22a-174-38(j)(3)]

c. Record Keeping Requirements

- i. The Permittee shall make and maintain records of the 1-hour average NO_x emission concentrations and the 24-hour daily average NO_x emission concentrations. [RCSA §§22a-174-38(k)(3) and (4)]
- ii. The Permittee shall make and maintain records of the calendar dates when the average NO_x emission concentrations exceeded the applicable limit, the reason for such exceedances, a description of corrective actions taken and a description of the measures taken to prevent future exceedances.
[RCSA §22a-174-38(k)(5)]
- iii. The Permittee shall make and maintain records of the calendar dates for which the minimum number of hours of any data required by RCSA Section 22a-174-38 have not been obtained, the reasons for not obtaining sufficient data, a description of corrective actions taken, and a description of the measures taken to prevent future losses of data. [RCSA §22a-174-38(k)(6)]
- iv. The Permittee shall identify any exclusion of NO_x emissions data from the calculation of average

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NO_x emission concentration and the reason for such exclusion. [RCSA §22a-174-38(k)(7)]

- v. The Permittee shall make and maintain records of the results of daily calibrations and quarterly accuracy determinations for the NO_x CEMs. [RCSA §22a-174-38(k)(8)]
- vi. The Permittee shall label each record listed in Section III.A.8.c.i through v of this Title V permit with the time and calendar date on which the data was generated. [RCSA §22a-174-38(k)(1)]
- vii. The Permittee shall calculate and record calendar year NO_x emissions in units of tpy for each MWC. Such records shall include a sample calculation. The Permittee shall make these calculations within 30 days of the end of each calendar year. [NSR Permit Nos. 093-0008 and 093-0009]
- viii. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

- i. The Permittee shall review all recorded NO_x CEM data daily. The Permittee shall notify the commissioner in writing, on forms prescribed by the commissioner, of any deviation, 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, no later than ten days after such deviation commenced. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall report all NO_x CEM data to the commissioner on a quarterly basis using a 1-hour block average. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. The Permittee shall submit a quarterly report to the commissioner within 30 days following the end of each calendar quarter in which the data were collected. Each quarterly report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(1)(2) and (7), and the date, time, and NO_x emission levels for each MWC that exceed the limitation listed in Section III.A.8.a.ii of this Title V permit. Furthermore, each quarterly report shall be submitted in the manner specified in RCSA Sections 22a-174-38(1)(8) and (9).
[RCSA §§22a-174-33(j)(1)(X), 22a-174-38(1)(2) and (7)-(9)]
- iv. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(1)(3) and (7), the calendar year emissions for NO_x in units of tpy for each MWC, and shall be submitted in the manner specified in RCSA Sections 22a-174-38(1)(8) and (9).
[NSR Permit Nos. 093-0008 and 093-0009; RCSA §§22a-174-38(1)(3) and (7)-(9)]

9. Carbon Monoxide

a. Limitation or Restriction

- i. The Permittee shall not cause or allow the emission of CO in excess of 100 ppmvd corrected to 7% O₂, based on a 4-hour block average, from each MWC. The emission limits set forth in RCSA Section 22a-174-38(c) shall apply at all times except during periods of startup, shutdown, or malfunction as set forth in RCSA Section 22a-174-38(c)(11).
[NSR Permit Nos. 093-0008 and 093-0009]

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- ii. During the warm-up period, when no municipal solid waste is being combusted and only propane is being combusted, and during periods of startup, shutdown, and malfunction, the Permittee shall not cause or allow emission of CO in excess of 8201 ppmvd corrected to 7% O₂, based on a 1-hour average, and 2261 ppmvd corrected to 7% O₂, based on an 8-hour block average, from each MWC. The warm-up period shall be limited to eight hours per occurrence.
[NSR Permit Nos. 093-0008 and 093-0009]
- iii. The Permittee shall not cause or allow the emission of CO in excess of 25.0 tpy from each MWC.
[NSR Permit Nos. 093-0008 and 093-0009]

b. Monitoring Requirements

- i. Continuous compliance with the CO emission limits shall be determined using CEM data.
[NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall install, operate and calibrate continuous emission monitoring systems for CO in a manner acceptable to the commissioner and shall certify to the commissioner, in writing, that the equipment specifications for the continuous emission monitoring systems have been and are being met. [RCSA §22a-174-38(j)(1)]
- iii. CO monitors shall: [RCSA §22a-174-38(j)(1)(E)]
 - (A) Meet the applicable performance and quality assurance requirements of 40 CFR Part 60, Appendix B, Performance Specification 4 or 4A (as applicable); 40 CFR Part 60, Appendix F, Procedure 1; and 40 CFR §60.13, and
 - (B) Calculate the relative accuracy criterion of five ppmvd as the absolute value of the mean difference between the reference method and the CEM system, to demonstrate compliance with the 100 ppmvd CO standard.
- iv. For determining compliance with the CO emission limit, if a loss of boiler water level control or a loss of combustion air control is determined to be a malfunction, the duration of the malfunction period shall be limited to fifteen hours per occurrence. Otherwise, the duration of each startup, shutdown or malfunction period shall be limited to three hours per occurrence for all MWC units.
[RCSA §22a-174-38(c)(11)(A)]
- v. The Permittee shall comply with the following minimum data requirements:
[RCSA §22a-174-38(j)(2)]
 - (A) Data available for the CO CEMs shall not be less than 90% of the total operating hours in any one calendar quarter and not less than 95% of the total operating hours in any one calendar year;
 - (B) Obtain valid 1-hour averages for 75% of the operating hours per day for 90% of the operating days per calendar quarter during which the units combust any municipal solid waste;
 - (C) At least three equally spaced data points per hour shall be used to calculate a 1-hour average; and
 - (D) The percentage of data available shall be calculated as follows:

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- (1) In accordance with the procedures specified on forms furnished or prescribed by the commissioner, and
- (2) Using all data obtained from the CO CEMs to calculate emissions concentrations and percent reductions as required by RCSA Section 22a-174-38 regardless of whether the minimum data availability requirements of RCSA Section 22a-174-38(j)(2)(A) are obtained.

c. Record Keeping Requirements

- i. The Permittee shall make and maintain records of the 1-hour average CO emission concentrations and the 4-hour block average CO emission concentrations. [RCSA §§22a-174-38(k)(3) and (4)]
- ii. The Permittee shall make and maintain records of the calendar dates when the average CO emission concentrations exceeded the applicable limit, the reason for such exceedances, a description of corrective actions taken and a description of the measures taken to prevent future exceedances. [RCSA §22a-174-38(k)(5)]
- iii. The Permittee shall make and maintain records of the calendar dates for which the minimum number of hours of any data required by RCSA Section 22a-174-38 have not been obtained, the reasons for not obtaining sufficient data, a description of corrective actions taken, and a description of the measures taken to prevent future losses of data. [RCSA §22a-174-38(k)(6)]
- iv. The Permittee shall identify any exclusion of CO emissions data from the calculation of average CO emission concentration and the reason for such exclusion. [RCSA §22a-174-38(k)(7)]
- v. The Permittee shall make and maintain records of the results of daily calibrations and quarterly accuracy determinations for the CO CEMs. [RCSA §22a-174-38(k)(8)]
- vi. The Permittee shall label each record listed in Section III.A.9.c.i through v of this Title V permit with the time and calendar date on which the data was generated. [RCSA §22a-174-38(k)(1)]
- vii. The Permittee shall calculate and record calendar year CO emissions in units of tpy for each MWC. Such records shall include a sample calculation. The Permittee shall make these calculations within 30 days of the end of each calendar year. [NSR Permit Nos. 093-0008 and 093-0009]
- viii. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

- i. The Permittee shall review all recorded CO CEM data daily. The Permittee shall notify the commissioner in writing, on forms prescribed by the commissioner, of any deviation, 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, no later than ten days after such deviation commenced. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall report all CO CEM data to the commissioner on a quarterly basis using a 1-hour block average. [NSR Permit Nos. 093-0008 and 093-0009]

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- iii. The Permittee shall submit a quarterly report to the commissioner within 30 days following the end of each calendar quarter in which the data were collected. Each quarterly report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(1)(2) and (7), and the date, time, and CO emission levels for each MWC that exceed the limitations listed in Section III.A.9.a.ii of this Title V permit. Furthermore, each quarterly report shall be submitted in the manner specified in RCSA Sections 22a-174-38(1)(8) and (9).
[RCSA §§22a-174-33(j)(1)(X), 22a-174-38(1)(2) and (7)-(9)]
- iv. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(1)(3) and (7), the calendar year emissions for CO in units of tpy for each MWC, and shall be submitted in the manner specified in RCSA Sections 22a-174-38(1)(8) and (9).
[NSR Permit Nos. 093-0008 and 093-0009; RCSA §§22a-174-38(1)(3) and (7)-(9)]

10. Volatile Organic Compounds/Hydrocarbons

a. Limitation or Restriction

- i. The Permittee shall not cause or allow the emission of VOC/HC in excess of 16 ppmvd (expressed as methane) corrected to 7% O₂, from each MWC. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall also not cause or allow the emissions of VOC/HC in excess of 5.1 tpy from each MWC. [NSR Permit Nos. 093-0008 and 093-0009]

b. Monitoring Requirements

- i. The Permittee shall demonstrate compliance with the above emission limits by calculating the emission rates using results from the 2003 VOC performance test or other performance tests (if conducted). [NSR Permit Nos. 093-0008 and 093-0009]
- ii. Pursuant to RCSA Sections 22a-174-5(e) and 22a-174-29(e), the commissioner may require the Permittee to conduct additional performance testing, possibly on an annual basis, based on CEM data, emission test results, and/or any other information that the commissioner deems appropriate.
[NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-33(j)(1)(K)]

c. Record Keeping Requirements

- i. The Permittee shall make and keep records of all required performance tests.
[NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall calculate and record calendar year emissions for VOC/HC in units of tpy for each MWC. Such records shall include a sample calculation. The Permittee shall make these calculations within 30 days of the end of each calendar year. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009]

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d. Reporting Requirements

- i. The Permittee shall submit reports to the commissioner of all required performance tests. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. The annual report shall include the calendar year emissions for VOC/HC in units of tpy for each MWC. [NSR Permit Nos. 093-0008 and 093-0009]

11. Hydrogen Chloride

a. Limitation or Restriction

- i. The Permittee shall not cause or allow emission of HCl in excess of 25 ppmvd corrected to 7% O₂; or, shall achieve 95% reduction by weight or volume measured as required by RCSA Section 22a-174-38(c)(7), whichever is less stringent, not to exceed 36.2 ppmvd corrected to 7% O₂, from each MWC. These emission limits shall apply at all times except during periods of startup, shutdown, or malfunction as set forth in RCSA Section 22a-174-38(c)(11). [NSR Permit Nos. 093-0008 and 093-0009]
- ii. In the event that the spray dryer absorber control efficiency for HCl falls below 90% by weight or volume measured as required by RCSA Section 22a-174-38(c)(7) and the HCl emission rate exceeds 26.4 ppmvd corrected to 7% O₂, as determined through stack testing compliance data, and the cause cannot be corrected within 24 hours, the Permittee shall immediately institute a furnace shutdown procedure in accordance with the O&M Manual. The furnace will be permitted to restart only after the Permittee demonstrated to the commissioner's satisfaction that sufficient corrective action has been taken. Within three days after restarting operation under this circumstance, the Permittee shall demonstrate, in writing to the commissioner that it is in compliance with the HCl permit conditions. The commissioner shall determine the need and scope of further testing to the extent necessary to document compliance, and the Permittee shall conduct such testing as the commissioner determined is necessary to document compliance. [NSR Permit Nos. 093-0008 and 093-0009]

b. Monitoring and Testing Requirements

- i. Continuous compliance with the HCl emission limits shall be determined based on an annual performance test. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(c)(3)]
- ii. The Permittee shall conduct an annual performance test for HCl, for each MWC, at least once per calendar year, under representative full load operating conditions, and as set forth in RCSA Section 22a-174-38(i). Such test shall be conducted no less than 9 calendar months and no more than 15 calendar months following the previous test. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(i)(2)]
- iii. Testing for HCl shall be conducted in accordance with the following procedures: [RCSA §22a-174-38(i)(4)(G)]
 - (A) 40 CFR Part 60, Appendix A, Reference Method 26 or 26A, as applicable, shall be used to determine the HCl emission concentration. The minimum sampling time for Method 26 shall be one hour;

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- (B) An O₂ or CO₂ measurement shall be obtained simultaneously with each Method 26 test run for HCl;
- (C) The percent reduction in potential HCl emissions (% P_{HCl}) shall be computed using the following equation:

$$(\% P_{HCl}) = ((E_i - E_o) / E_i) \times 100$$

where:

%P_{HCl} = percent reduction of the potential HCl emissions achieved.

E_i = potential HCl emission concentration measured at the control device inlet, corrected to 7 % O₂ (dry basis).

E_o = controlled HCl emission concentration measured at the control device outlet, corrected to 7 % O₂ (dry basis); and

- (D) The compliance determination for HCl shall be based on an arithmetic average of emission concentrations or percent reductions determined using all data generated in three test runs.
- iv. For an emission limit measured as a percent reduction, compliance shall be determined by measuring the concentration of HCl at the outlet of the air pollution control device that discharges directly to the stack, subtracting it from the concentration at the inlet of the air pollution control device that receives exhaust gases directly from the combustion chamber, dividing the difference by the concentration of HCl at the inlet to the air pollution control device that receives exhaust gases directly from the combustion chamber and then multiplying that result by a factor of 100. [RCSA §22a-174-38(c)(7)]

c. Record Keeping Requirements

- i. The Permittee shall maintain records of the test reports and supporting calculations documenting the results of all annual performance tests conducted to determine compliance with the emission limits specified in RCSA Section 22a-174-38 for HCl. The Permittee shall label each record with the time and calendar date on which the data was generated. [RCSA §§22a-174-38(k)(1) and (10)]
- ii. The Permittee shall calculate and record calendar year HCl emissions in units of tpy for each MWC. Such records shall include a sample calculation. The Permittee shall make these calculations within 30 days of the end of each calendar year. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

- i. The Permittee shall submit a performance test plan for review and written approval of the commissioner, at least 90 days before a required performance test is conducted. At a minimum, the plan shall contain information regarding sampling locations, test methods, sampling protocols, sampling analysis procedures, and any other information required by the commissioner. [RCSA §22a-174-38(l)(4)]
- ii. The Permittee shall provide written notification to the commissioner three business days prior to conducting the performance test. [RCSA §22a-174-38(l)(5)]
- iii. The Permittee shall submit an acceptable test report to the commissioner within 60 days of the completion of the performance test. [NSR Permit Nos. 093-0008 and 093-0009]

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- iv. The Permittee shall provide written notification to the commissioner within 72 hours of the time at which the Permittee receives information regarding performance test results indicating that any HCl emission levels exceed the applicable emission limits defined in RCSA Section 22a-174-38. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(1)(6)]
- v. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(1)(3) and (7), the calendar year emissions for HCl in units of tpy for each MWC, and shall be submitted in the manner specified in RCSA Sections 22a-174-38(1)(8) and (9). [NSR Permit Nos. 093-0008 and 093-0009; RCSA §§22a-174-38(1)(3) and (7)-(9)]

12. Cadmium

a. Limitation or Restriction

The Permittee shall not cause or allow emission of cadmium in excess of 0.035 mg/dscm of exhaust gas corrected to 7% O₂, from each MWC. This emission limit shall apply at all times except during periods of startup, shutdown, or malfunction as set forth in RCSA Section 22a-174-38(c)(11). [RCSA §22a-174-38(c)(1)]

b. Monitoring Requirements and Testing Requirements

- i. Continuous compliance with the cadmium emission limit shall be determined based on an annual performance test. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(c)(3)]
- ii. The Permittee shall conduct an annual performance test for cadmium, for each MWC, at least once per calendar year, under representative full load operating conditions, and as set forth in RCSA Section 22a-174-38(i). Such test shall be conducted no less than 9 calendar months and no more than 15 calendar months following the previous test. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(i)(2)]
- iii. Testing for cadmium shall be conducted in accordance with the following procedures: [RCSA §22a-174-38(i)(4)(B)]
 - (A) 40 CFR Part 60, Appendix A, Reference Method 1 shall be used to determine the location and number of sampling points;
 - (B) 40 CFR Part 60, Appendix A, Reference Method 3 shall be used for flue gas analysis;
 - (C) 40 CFR Part 60, Appendix A, Reference Method 29 shall be used to determine compliance with the cadmium emission limits;
 - (D) An O₂ or CO₂ measurement shall be obtained simultaneously with each Method 29 test run for cadmium;
 - (E) The minimum sample time shall be two hours per each Method 29 test run; and
 - (F) The compliance determination for cadmium shall be based on an arithmetic average determined using all data generated in three test runs as required by RCSA Section 22a-174-38.

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c. Record Keeping Requirements

- i. The Permittee shall maintain records of the test reports and supporting calculations documenting the results of all annual performance tests conducted to determine compliance with the emission limits specified in RCSA Section 22a-174-38 for cadmium. [RCSA §22a-174-38(k)(10)]
- ii. The Permittee shall label each record with the time and calendar date on which the data was generated and all records shall be maintained for a period of at least five years from the date the record was created. [RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

- i. The Permittee shall submit a performance test plan for review and written approval of the commissioner, at least 90 days before a required performance test is conducted. At a minimum, the plan shall contain information regarding sampling locations, test methods, sampling protocols, sampling analysis procedures, and any other information required by the commissioner. [RCSA §22a-174-38(l)(4)]
- ii. The Permittee shall provide written notification to the commissioner three business days prior to conducting the performance test. [RCSA §22a-174-38(l)(5)]
- iii. The Permittee shall submit an acceptable test report to the commissioner within 60 days of the completion of the performance test. [NSR Permit Nos. 093-0008 and 093-0009]
- iv. The Permittee shall provide written notification to the commissioner within 72 hours of the time at which the Permittee receives information regarding performance test results indicating that cadmium emission levels exceed the applicable emission limits defined in RCSA Section 22a-174-38. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(l)(6)]
- v. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(l)(3) and (7), and shall be submitted in the manner specified in RCSA Sections 22a-174-38(l)(8) and (9). [RCSA §§22a-174-38(l)(3) and (7)-(9)]

13. Lead

a. Limitation or Restriction

- i. The Permittee shall not cause or allow emission of Pb in excess of 0.40 mg/dscm of exhaust gas corrected to 7% O₂, from each MWC. This emission limit shall apply at all times except during periods of startup, shutdown, or malfunction as set forth in RCSA Section 22a-174-38(c)(11). [RCSA §22a-174-38(c)(1)]
- ii. The Permittee shall not cause or allow the emission of Pb in excess of 0.211 tpy from each MWC. [NSR Permit Nos. 093-0008 and 093-0009]

b. Monitoring Requirements and Testing Requirements

- i. Continuous compliance with the Pb emission limit shall be determined based on an annual performance test. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(c)(3)]

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- ii. The Permittee shall conduct an annual performance test for Pb, for each MWC, at least once per calendar year, under representative full load operating conditions, and as set forth in RCSA Section 22a-174-38(i). Such test shall be conducted no less than 9 calendar months and no more than 15 calendar months following the previous test.
[NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(i)(2)]
- iii. Testing for Pb shall be conducted in accordance with the following procedures:
[RCSA §22a-174-38(i)(4)(B)]
 - (A) 40 CFR Part 60, Appendix A, Reference Method 1 shall be used to determine the location and number of sampling points;
 - (B) 40 CFR Part 60, Appendix A, Reference Method 3 shall be used for flue gas analysis;
 - (C) 40 CFR Part 60, Appendix A, Reference Method 29 shall be used to determine compliance with the Pb emission limits;
 - (D) An oxygen or carbon dioxide measurement shall be obtained simultaneously with each Method 29 test run for Pb;
 - (E) The minimum sample time shall be two hours per each Method 29 test run; and
 - (F) The compliance determination for Pb shall be based on an arithmetic average determined using all data generated in three test runs as required by RCSA Section 22a-174-38.

c. Record Keeping Requirements

- i. The Permittee shall maintain records of the test reports and supporting calculations documenting the results of all annual performance tests conducted to determine compliance with the emission limits specified in RCSA Section 22a-174-38 for Pb. The Permittee shall label each record with the time and calendar date on which the data was generated. [RCSA §§22a-174-38(k)(1) and (10)]
- ii. The Permittee shall calculate and record calendar year Pb emissions in units of tpy for each MWC. Such records shall include a sample calculation. The Permittee shall make these calculations within 30 days of the end of each calendar year. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

- i. The Permittee shall submit a performance test plan for review and written approval of the commissioner, at least 90 days before a required performance test is conducted. At a minimum, the plan shall contain information regarding sampling locations, test methods, sampling protocols, sampling analysis procedures, and any other information required by the commissioner.
[RCSA §22a-174-38(l)(4)]
- ii. The Permittee shall provide written notification to the commissioner three business days prior to conducting the performance test. [RCSA §22a-174-38(l)(5)]

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- iii. The Permittee shall submit an acceptable test report to the commissioner within 60 days of the completion of the performance test. [NSR Permit Nos. 093-0008 and 093-0009]
- iv. The Permittee shall provide written notification to the commissioner within 72 hours of the time at which the Permittee receives information regarding performance test results indicating that Pb emission levels exceed the applicable emission limits defined in RCSA Section 22a-174-38. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(1)(6)]
- v. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(1)(3) and (7), the calendar year emissions for Pb in units of tpy for each MWC, and shall be submitted in the manner specified in RCSA Sections 22a-174-38(1)(8) and (9). [NSR Permit Nos. 093-0008 and 093-0009; RCSA §§22a-174-38(1)(3) and (7)-(9)]

14. Mercury

a. Limitation or Restriction

The Permittee shall not cause or allow emission of Hg in excess of 0.028 mg/dscm of exhaust gas corrected to 7% O₂ or shall achieve 85% reduction by weight measured as required by RCSA Section 22a-174-38(c)(7), whichever is less stringent, from each MWC. These emission limits shall apply at all times except during periods of startup, shutdown, or malfunction as set forth in RCSA Section 22a-174-38(c)(11). [NSR Permit Nos. 093-0008 and 093-0009]

b. Monitoring and Testing Requirements

- i. Continuous compliance with the Hg emission limits shall be determined based on an annual performance test. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(c)(3)]
- ii. The Permittee shall conduct an annual performance test for Hg, for each MWC, at least once per calendar year, under representative full load operating conditions, and as set forth in RCSA Section 22a-174-38(i). Such test shall be conducted no less than 9 calendar months and no more than 15 calendar months following the previous test. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(i)(2)]
- iii. Testing for Hg shall be conducted in accordance with the following procedures: [RCSA §22a-174-38(i)(4)(C)]
 - (A) 40 CFR Part 60, Appendix A, Reference Method 1 shall be used to determine the location and number of sampling points;
 - (B) 40 CFR Part 60, Appendix A, Reference Method 3 shall be used for flue gas analysis;
 - (C) 40 CFR Part 60, Appendix A, Reference Method 29 shall be used to determine compliance with the Hg emission limits. An O₂ or CO₂ measurement shall be obtained simultaneously with each Method 29 test run for Hg;
 - (D) The minimum sample time shall be two hours per each Method 29 test run;
 - (E) The percent reduction in potential Hg emissions (% P_{Hg}) shall be computed using the following

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equation:

$$(\% P_{Hg}) = ((E_i - E_o) / E_i) \times 100$$

where:

$\%P_{Hg}$ = percent reduction of the potential Hg emissions achieved.

E_i = potential Hg emission concentration measured at the control device inlet, corrected to 7% O₂ (dry basis).

E_o = controlled Hg emission concentration measured at the Hg control device outlet, corrected to 7% O₂ (dry basis); and

- (F) The compliance determination for Hg shall be based on an arithmetic average of emission concentrations or percent reductions determined using all data generated in a minimum of at least three test runs as required by RCSA Section 22a-174-38.
- iv. For an emission limit measured as a percent reduction, compliance shall be determined by measuring the concentration of Hg at the outlet of the air pollution control device that discharges directly to the stack, subtracting it from the concentration at the inlet of the air pollution control device that receives exhaust gases directly from the combustion chamber, dividing the difference by the concentration of Hg at the inlet to the air pollution control device that receives exhaust gases directly from the combustion chamber and then multiplying that result by a factor of one-hundred (100). [RCSA §22a-174-38(c)(7)]
- v. During the performance tests for Hg, the Permittee shall estimate an average carbon mass feed rate based on carbon injection system operating parameters such as the screw feeder speed, hopper volume, hopper refill frequency, or other parameters appropriate to the feed system being employed. [RCSA §22a-174-38(i)(4)(K)]
- c. *Record Keeping Requirements*
- i. The Permittee shall maintain records of the test reports and supporting calculations documenting the results of all annual performance tests conducted to determine compliance with the emission limits specified in RCSA Section 22a-174-38 for Hg. [RCSA §22a-174-38(k)(10)]
- ii. The Permittee shall label each record with the time and calendar date on which the data was generated and all records shall be maintained for a period of at least five years from the date the record was created. [RCSA §22a-174-38(k)(1)]
- d. *Reporting Requirements*
- i. The Permittee shall submit a performance test plan for review and written approval of the commissioner, at least 90 days before a required performance test is conducted. At a minimum, the plan shall contain information regarding sampling locations, test methods, sampling protocols, sampling analysis procedures, and any other information required by the commissioner. [RCSA §22a-174-38(l)(4)]
- ii. The Permittee shall provide written notification to the commissioner three business days prior to conducting the performance test. [RCSA §22a-174-38(l)(5)]
- iii. The Permittee shall submit an acceptable test report to the commissioner within 60 days of the completion of the performance test. [NSR Permit Nos. 093-0008 and 093-0009]

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- iv. The Permittee shall provide written notification to the commissioner within 72 hours of the time at which the Permittee receives information regarding performance test results indicating that Hg emission levels exceed the applicable emission limits defined in RCSA Section 22a-174-38. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(1)(6)]
- v. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(1)(3) and (7), and shall be submitted in the manner specified in RCSA Sections 22a-174-38(1)(8) and (9). [RCSA §§22a-174-38(1)(3) and (7)-(9)]

15. Dioxin/Furan

a. Limitation or Restriction

- i. The Permittee shall not cause or allow emission of dioxin/furans in excess of 30 ng/dscm corrected to 7% O₂, from each MWC. This emission limit shall apply at all times except during periods of startup, shutdown, or malfunction as set forth in RCSA Section 22a-174-38(c)(11). [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall not cause or allow emission of greater than 0.46 ng/dscm corrected to 7% O₂ (dry basis) of toxic equivalents (2,3,7,8-tetrachlorodibenzo-p-dioxins), from each MWC. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-1 and EPA/625/3-87/012, March 1987]

b. Monitoring and Testing Requirements

- i. Continuous compliance with the dioxin/furan emission limit shall be determined based on an annual performance test. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(c)(3)]
- ii. The Permittee shall conduct an annual performance test for dioxin/furans, for each MWC, at least once per calendar year, under representative full load operating conditions, and as set forth in RCSA Section 22a-174-38(i). Such test shall be conducted no less than 9 calendar months and no more than 15 calendar months following the previous test. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(i)(2)]
- iii. Notwithstanding Section III.A.15.b.ii, upon demonstration for two consecutive years that the dioxin/furan emission levels from all units at the MWC plant for which construction commenced prior to September 20, 1994 are less than 15 ng/dscm total mass, the Permittee shall only be required to conduct performance testing for dioxin/furan on one unit at that MWC plant. The Permittee shall rotate performance testing among units in a fixed sequence so that each unit is tested at the same frequency. One unit at the MWC plant shall be tested at least once per calendar year, and such test shall be conducted no less than 9 calendar months and no more than 15 calendar months following the previous performance test. If in any year following the year of election of such reduced testing, the dioxin/furan emission test results indicate a level equal to or greater than 15 ng/dscm total mass for any unit for which construction commenced prior to September 20, 1994, then the Permittee shall resume testing of all units at the MWC plant during the next annual performance test. The Permittee shall continue to test all units on an annual basis until the performance tests for all units indicate the dioxin/furan emission levels meet the requirements of RCSA Section 22a-174-38(i), at which time the Permittee may resume testing in accordance with RCSA Section 22a-174-38(i). [RCSA §22a-174-38(i)(3)]

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- iv. Testing for dioxin/furans shall be conducted in accordance with the following procedures: [RCSA §22a-174-38(i)(4)(H)]
 - (A) 40 CFR Part 60, Appendix A, Reference Method 1 shall be used to determine the location and number of sampling points;
 - (B) 40 CFR Part 60, Appendix A, Reference Method 3 shall be used for flue gas analysis;
 - (C) 40 CFR Part 60, Appendix A, Reference Method 23 shall be used to determine the dioxin/furan emission concentration;
 - (D) The minimum sample time shall be four hours per test run;
 - (E) An O₂ or CO₂ measurement shall be obtained simultaneously with each Method 23 test run for dioxin/furans; and
 - (F) The compliance determination for dioxin/furans shall be based on an arithmetic average determined using all data generated in three test runs as required by RCSA Section 22a-174-38.
- v. During the performance tests for dioxin/furan, the Permittee shall estimate an average carbon mass feed rate based on carbon injection system operating parameters such as the screw feeder speed, hopper volume, hopper refill frequency, or other parameters appropriate to the feed system being employed. [RCSA §22a-174-38(i)(4)(K)]

c. Record Keeping Requirements

- i. The Permittee shall maintain records of the test reports and supporting calculations documenting the results of all annual performance tests conducted to determine compliance with the emission limits specified in RCSA Section 22a-174-38 for dioxin/furan. The maximum demonstrated MWC unit load and maximum demonstrated PM control device temperature (for each PM control device) shall be recorded for each performance test for dioxin/furan emissions. [RCSA §22a-174-38(k)(10)]
- ii. The Permittee shall label each record with the time and calendar date on which the data was generated and all records shall be maintained for a period of at least five years from the date the record was created. [RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

- i. The Permittee shall submit a performance test plan for review and written approval of the commissioner, at least 90 days before a required performance test is conducted. At a minimum, the plan shall contain information regarding sampling locations, test methods, sampling protocols, sampling analysis procedures, and any other information required by the commissioner. [RCSA §22a-174-38(l)(4)]
- ii. The Permittee shall provide written notification to the commissioner three business days prior to conducting the performance test. [RCSA §22a-174-38(l)(5)]
- iii. The Permittee shall submit an acceptable test report to the commissioner within 60 days of the completion of the performance test. [NSR Permit Nos. 093-0008 and 093-0009]

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- iv. The Permittee shall provide written notification to the commissioner within 72 hours of the time at which the Permittee receives information regarding performance test results indicating that dioxin/furan emission levels exceed the applicable emission limits defined in RCSA Section 22a-174-38. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(1)(6)]
- v. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(1)(3) and (7), and shall be submitted in the manner specified in RCSA Sections 22a-174-38(1)(8) and (9). [RCSA §§22a-174-38(1)(3) and (7)-(9)]

16. Sulfuric Acid

a. Limitation or Restriction

The Permittee shall not cause or allow sulfuric acid emissions to exceed 4.1 ppmvd corrected to 7% O₂, from each MWC. [NSR Permit Nos. 093-0008 and 093-0009]

b. Monitoring Requirements

- i. The Permittee shall demonstrate compliance with the above emission limits by calculating the emission rates using results from the 2003 sulfuric acid performance test or other performance tests (if conducted). [NSR Permit Nos. 093-0008 and 093-0009]
- ii. Pursuant to RCSA Sections 22a-174-5(e) and 22a-174-29(e), the commissioner may require the Permittee to conduct additional performance testing, possibly on an annual basis, based on CEM data, emission test results, and any other information that the commissioner deems appropriate. [NSR Permit Nos. 093-0008 and 093-0009]

c. Record Keeping Requirements

- i. The Permittee shall make and keep records of all required performance tests. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009]

d. Reporting Requirements

The Permittee shall submit reports to the commissioner of all required performance tests. [NSR Permit Nos. 093-0008 and 093-0009]

17. MWC Acid Gases

a. Limitation or Restriction

The Permittee shall not cause or allow the emissions of MWC Acid Gases, from both MWCs (NSR Permit Nos. 093-0008 and 093-0009) combined, to exceed 89.0 tpy. MWC Acid Gases are the sum of SO₂ and HCl emissions. [NSR Permit Nos. 093-0008 and 093-0009]

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b. Monitoring Requirements

The Permittee shall monitor SO₂ in accordance with Section III.A.7 of this Title V permit and test for HCl in accordance with Section III.A.11 of this Title V permit. [RCSA §22a-174-38]

c. Record Keeping Requirements

- i. The Permittee shall calculate and record calendar year MWC Acid Gases (SO₂ and HCl) emissions in units of tpy for the two MWCs combined. Such records shall include a sample calculation. The Permittee shall make these calculations within 30 days of the end of each calendar year. [RCSA§22a-174-33(j)(1)(K)]
- ii. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009]

d. Reporting Requirements

The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(1)(3) and (7), the calendar year emissions for MWC Acid Gases (SO₂ and HCl) in units of tpy for the two MWCs combined, and shall be submitted in the manner specified in RCSA Sections 22a-174-38(1)(8) and (9). [RCSA §§22a-174-33(j)(1)(X), 22a-174-38(1)(3) and (7)-(9)]

18. Ammonia

a. Limitation or Restriction

The Permittee shall not cause or allow ammonia emissions to exceed 18 ppmvd corrected to 7% O₂, from each MWC. [NSR Permit Nos. 093-0008 and 093-0009]

b. Monitoring Requirements

- i. Continuous compliance with the ammonia emission limit shall be determined based on an annual performance test. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(c)(17)]
- ii. The Permittee shall conduct an annual performance test for ammonia, for each MWC, under representative full load operating conditions, and as set forth in RCSA Section 22a-174-38(i). Such test shall be conducted no less than 9 calendar months and no more than 15 calendar months following the previous test. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §§22a-174-38(c)(17) and 22a-174-38(i)(5)]
- iii. Testing for ammonia shall be conducted in accordance with the following procedures: [RCSA §22a-174-38(i)(4)(L)]
 - (A) 40 CFR Part 60, Appendix A, Reference Method 26A or another method approved by the commissioner and the EPA shall be used to determine compliance with the ammonia emission limit;
 - (B) The emission compliance determination for ammonia shall be based on an arithmetic average determined using all data generated in three test runs; and

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(C) The minimum sample time shall be one hour per each Method 26A test run.

c. Record Keeping Requirements

- i. The Permittee shall maintain records of the test reports and supporting calculations documenting the results of all annual performance tests conducted to determine compliance with the emission limits for ammonia. The Permittee shall label each record with the time and calendar date on which the data was generated. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §§22a-174-38(k)(1) and (10)]
- ii. The Permittee shall calculate and record calendar year emissions for ammonia in units of tpy for each MWC. Such records shall include a sample calculation. The Permittee shall make these calculations within 30 days of the end of each calendar year. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

- i. The Permittee shall submit a performance test plan for review and written approval of the commissioner, at least 90 days before a required performance test is conducted. At a minimum, the plan shall contain information regarding sampling locations, test methods, sampling protocols, sampling analysis procedures, and any other information required by the commissioner. [RCSA §22a-174-38(l)(4)]
- ii. The Permittee shall provide written notification to the commissioner three business days prior to conducting the performance test. [RCSA §22a-174-38(l)(5)]
- iii. The Permittee shall submit an acceptable test report to the commissioner within 60 days of the completion of the performance test. [NSR Permit Nos. 093-0008 and 093-0009]
- iv. The Permittee shall provide written notification to the commissioner within 72 hours of the time at which the Permittee receives information regarding performance test results indicating that ammonia emission levels exceed the applicable emission limits defined in RCSA Section 22a-174-38. [RCSA §22a-174-38(l)(6)]
- v. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(l)(3) and (7), the calendar year emissions for ammonia in units of tpy for each MWC, and shall be submitted in the manner specified in RCSA Sections 22a-174-38(l)(8) and (9). [NSR Permit Nos. 093-0008 and 093-0009; RCSA §§22a-174-38(l)(3) and (7)-(9)]

19. Hazardous Air Pollutants

a. Limitation or Restriction

The Permittee shall not cause or allow an exceedance of the Maximum Allowable Stack Concentration for any HAP listed in RCSA Section 22a-174-29, for each MWC.
[NSR Permit Nos. 093-0008 and 093-0009]

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b. Monitoring and Testing Requirements

- i. The Permittee shall demonstrate compliance with the above limits by calculating the emission rates using results from the 2003 performance test or other performance tests (if conducted). [NSR Permit Nos. 093-0008 and 093-0009]
- ii. Pursuant to RCSA Sections 22a-174-5(e) and 22a-174-29(e), the commissioner may require the Permittee to conduct additional performance testing of any pollutant, possibly on an annual basis, based on CEM data, emission test results, and any other information that the commissioner deems appropriate. [NSR Permit Nos. 093-0008 and 093-0009]

c. Record Keeping Requirements

- i. The Permittee shall make and keep records of all required performance tests. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall make and keep records of the ASC and MASC for the pollutants listed in RCSA 22a-174-29 and emitted by the MWCs. [RSCA §22a-174-33(j)(l)(K)(ii)]
- iii. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009]

d. Reporting Requirements

The Permittee shall submit reports to the commissioner of all required performance tests. [NSR Permit Nos. 093-0008 and 093-0009]

20. Furnace Temperature

a. Limitation or Restriction

The auxiliary burner system shall have the capability of raising combustion gas temperatures to 1800°F for a combustion gas residence time of at least one second, except during periods of startup, warm-up, shutdown, and malfunction. Such system shall be capable of maintaining a minimum combustion gas temperature of 1500°F after secondary air injections for at least one second. The combustion gas temperature when firing MSW and PDW, at all times, shall be at a minimum of 1800°F for a minimum of one second residence time, measured at the one second plane. Measurement of the superheater gas exit temperature is a surrogate for the furnace temperature. [NSR Permit Nos. 093-0008 and 093-0009]

b. Monitoring Requirements

- i. The Permittee shall continuously monitor and record the furnace temperature as measured at the superheater outlet. Averaging time is a 4-hour block average. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall monitor the superheater outlet temperature using redundant thermocouples. Thermocouples shall be inspected semiannually and the signal transmitters shall be calibrated semiannually. [NSR Permit Nos. 093-0008 and 093-0009]

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c. Record Keeping Requirements

- i. The Permittee shall maintain sufficient records to determine compliance with Section III.A.20.a of this Title V permit. [RSCA §22a-174-33(j)(l)(K)(ii)]
- ii. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009]

d. Reporting Requirements

- i. The Permittee shall review all recorded furnace temperature CEM data daily. The Permittee shall notify the commissioner in writing, on forms prescribed by the commissioner, of any deviation, 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, no later than ten days after such deviation commenced. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall report all furnace temperature CEM data to the commissioner on a quarterly basis using a 1-hour block average. [NSR Permit Nos. 093-0008 and 093-0009]

21. Operator Training and Certification

a. Limitation or Restriction

- i. The Permittee shall not cause or allow the MWC plant to be operated at any time unless a certified chief operator or shift operator is physically present at the MWC plant. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. Operators shall be certified by the commissioner under RSCA Section 22a-231-1. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. All chief operators and shift operators must satisfactorily complete an operator training course conducted by the commissioner pursuant to RSCA Section 22a-174-38(h)(3). [NSR Permit Nos. 093-0008 and 093-0009]
- iv. The equipment operators shall be trained in the operation and maintenance of both the fuel burning and air pollution control equipment. [NSR Permit Nos. 093-0008 and 093-0009]

b. Monitoring Requirements

Record keeping specified in Section III.A.21.c of this Title V permit shall be sufficient to meet other Monitoring and Testing Requirements pursuant to RSCA Section 22a-174-33. [RSCA §22a-174-33(j)(l)(K)(ii)]

c. Record Keeping Requirements

- i. The Permittee shall make and keep records of the date, the time of the shift, the name of the operator of that shift, and the operator's certification. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. Operator training and certification records shall be maintained on an annual basis, as follows: [RSCA §22a-174-38(k)(2)]

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- (A) The names of the chief operators and shift operators, certified by the commissioner, and employed at the MWC plant, including the dates of initial and renewal certifications and documentation of current certification;
 - (B) The names of the chief operators and shift operators who have completed an operator training course as required under RCSA Section 22a-174-38(h)(3); and
 - (C) The names of the persons at the MWC plant who have completed a training program as required under RCSA Section 22a-174-38(h)(5).
- iii. The Permittee shall label each record listed in Section III.A.21.c.ii of this Title V permit with the time and calendar date on which the data was generated. [RCSA §22a-174-38(k)(1)]
 - iv. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

The Permittee shall submit operator and training records in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §§22a-174-33(j)(1)(X)]

22. MWC O&M Manual

a. Limitation or Restriction

- i. The Permittee shall develop a site-specific MWC O&M manual with an index or revise an existing operating and maintenance manual to meet the requirements of RCSA Section 22a-174-38. Such MWC O&M manual shall be updated on an annual basis. The MWC O&M manual shall include: [RCSA §22a-174-38(h)(4)]
 - (A) A summary of the applicable emission limits and operational requirements;
 - (B) A description of basic combustion theory application to a municipal waste combustor unit;
 - (C) Procedures for receiving, handling, and feeding municipal solid waste;
 - (D) Procedures for startup, shutdown, and malfunction;
 - (E) Procedures for maintaining proper combustion air supply levels;
 - (F) Procedures for operating the combustor within the standards established under RCSA Section 22a-174-38;
 - (G) Procedures for responding to periodic upset or off-specification conditions;
 - (H) Procedures for minimizing PM carryover;
 - (I) Procedures for handling ash;
 - (J) Procedures for monitoring emissions; and

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(K) Procedures for reporting and record keeping.

ii. The Permittee shall establish a training program to review the MWC O&M manual with each person who has responsibilities affecting the operation of the MWC plant including, but not limited to, the chief operator, shift operator, ash handler, maintenance employee, and crane/load handler. The Permittee shall train new employees with the job positions previously identified prior to each new employee's assumption of any responsibilities at the MWC plant. Following initial training, the training program shall be repeated on an annual basis for each person identified above. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(h)(5)]

iii. The MWC O&M manual shall be kept in a location readily accessible to all persons identified in RCSA Section 22a-174-38(h)(5) and shall be available for inspection by the commissioner or Administrator upon request. [RCSA §22a-174-38(h)(6)]

b. Monitoring Requirements

Record keeping specified in Section III.A.22.c of this Title V permit shall be sufficient to meet other Monitoring and Testing Requirements pursuant to RCSA Section 22a-174-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

i. The Permittee shall make and keep records of the name of each person that has reviewed the MWC O&M manual, the date of the initial review, and the date of the annual review. [NSR Permit Nos. 093-0008 and 093-0009]

ii. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009]

d. Reporting Requirements

The Permittee shall submit any revision to this manual which conflicts or may conflict with any condition of this Title V permit to the commissioner for review and shall receive the commissioner's written approval prior to incorporating such revision in the MWC O&M manual. [NSR Permit Nos. 093-0008 and 093-0009]

23. Carbon Injection System

a. Limitation or Restriction

During the operation of each MWC, the carbon injection system operating parameter(s) that is the primary indicator(s) of the carbon mass feed rate (e.g., screw feeder setting) shall be averaged over a block 8-hour period, and the 8-hour block average shall equal or exceed the level(s) documented during the performance tests specified under RCSA Section 22a-174-38(i). [RCSA §22a-174-38(g)(5)]

b. Monitoring Requirements

i. The Permittee shall install, operate, calibrate and maintain a continuous monitoring system for measuring the carbon feed rate. [RCSA §22a-174-38(j)(1)]

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- ii. When using activated carbon to control Hg and/or dioxin/furans emissions, the activated carbon CEM shall: [RCSA §22a-174-38(j)(1)(G)]
 - (A) Meet the requirements of 40 CFR §60.1820, and
 - (B) Pneumatic injection pressure or another carbon injection system operational indicator shall be used to provide additional verification of proper carbon injection system operation. The operational indicator shall provide an instantaneous visual or audible alarm to alert the operator of a potential interruption in the carbon feed that would not normally be indicated by direct monitoring of carbon mass feed rate (e.g. continuous weight loss feeder) or monitoring of the carbon system operating parameter or parameters that are the indicator or indicators of the carbon mass feed rate (e.g. screw feeder speed). The carbon injection system operational indicator used to provide additional verification of carbon injection system operation, including basis for selecting the indicator and operator response to the indicator alarm, shall be included in the site-specific Municipal Waste Combustor Operating & Maintenance Manual.
 - iii. The Permittee shall continuously monitor and record the powdered activated carbon injection rate, as estimated from the screw feeder speed indicator. Averaging time is an 8-hour block average. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-33(j)(1)(K)]
 - iv. The Permittee shall comply with the following minimum data requirements: [RCSA §22a-174-38(j)(2)]
 - (A) Data available for the activated carbon CEMs shall not be less than 90% of the total operating hours in any one calendar quarter and not less than 95% of the total operating hours in any one calendar year;
 - (B) Obtain valid 1-hour averages for 75% of the operating hours per day for 90% of the operating days per calendar quarter during which the units combust any municipal solid waste;
 - (C) At least three equally spaced data points per hour shall be used to calculate a 1-hour average; and
 - (D) The percentage of data available shall be calculated as follows:
 - (1) In accordance with the procedures specified on forms furnished or prescribed by the commissioner, and
 - (2) Using all data obtained from the activated carbon CEMs to calculate emissions concentrations and percent reductions as required by RCSA Section 22a-174-38 regardless of whether the minimum data availability requirements of RCSA Section 22a-174-38(j)(2)(A) are obtained.
- c. *Record Keeping Requirements*
- i. The Permittee shall make and maintain records of the calendar dates for which the minimum number of hours of any data required by RCSA Section 22a-174-38 have not been obtained, the reasons for not obtaining sufficient data, a description of corrective actions taken, and a description of the measures taken to prevent future losses of data. [RCSA §22a-174-38(k)(6)]
 - ii. The Permittee shall maintain the following records for the activated carbon injection system: [RCSA §22a-174-38(k)(11)]

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- (A) Estimates of the average carbon mass feed rate, measured in kg/hr or lb/hr, during the initial Hg and/or dioxin/furan emissions performance test and all subsequent annual performance tests, with supporting calculations;
 - (B) Estimates of the average carbon mass feed rate, measured in kg/hr or lb/hr, for each hour of operation, with supporting calculations;
 - (C) For each calendar quarter, estimates of the total carbon usage for each MWC unit in kilograms or pounds for each calendar quarter by two independent methods, according to the procedures specified below:
 - (1) For each MWC unit, estimate the weight of carbon delivered, and
 - (2) For each MWC unit, estimate the average carbon mass feed rate in kilograms per hour or lb/hr for each hour of operation based on the parameters specified under RCSA Section 22a-174-38(i)(4)(K), and sum the results for the total number of hours of operation during the calendar quarter;
 - (D) Carbon injection system operating parameter data for the parameter(s) that are the primary indicator(s) of carbon feed rate (e.g., screw feeder speed); and
 - (E) The times and calendar dates when average carbon mass feed rates were less than the hourly carbon feed rates estimated during dioxin/furan emission tests. The reasons for such feed rates and a description of corrective actions taken shall also be recorded.
- iii. The Permittee shall label each record with the time and calendar date on which the data was generated and all records shall be maintained for a period of at least five years from the date the record was created. [RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

- i. The Permittee shall review all recorded activated carbon CEM data daily. The Permittee shall notify the commissioner in writing, on forms prescribed by the commissioner, of any deviation, 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, no later than ten days after such deviation commenced. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall report all activated carbon CEM data to the commissioner on a quarterly basis using a 1-hour block average. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. The Permittee shall submit a quarterly report to the commissioner within 30 days following the end of each calendar quarter in which the data were collected. Each quarterly report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(l)(2) and (7), and shall be submitted in the manner specified in RCSA Sections 22a-174-38(l)(8) and (9). [RCSA §§22a-174-38(l)(2) and (7)-(9)]
- iv. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(l)(3) and (7), and shall be submitted in the manner specified in RCSA Sections 22a-174-38(l)(8) and (9). [RCSA §§22a-174-38(l)(3) and (7)-(9)]

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24. Work Practice Standards and Operation and Maintenance Practices

a. Limitation or Restriction

- i. The MWCs shall be equipped with automatic controls for the regulation of combustion. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The minimum number of compartments of the fabric filter to be in service at any point in time is three. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. The Permittee shall install and use dedicated CEM analyzers. Each MWC flue exhaust shall have its own set of CEM analyzers and there shall be no shared analyzers. [NSR Permit Nos. 093-0008 and 093-0009]
- iv. The Permittee shall properly maintain and operate the fabric filter, the spray dryer absorber, the selective non-catalytic reduction system and the carbon injection system at all times in accordance with the requirements of RCSA Section 22a-174-7. [NSR Permit Nos. 093-0008 and 093-0009]
- v. In the event of malfunction of the MWCs' air pollution control equipment that cannot be corrected within three hours; the Permittee shall immediately institute a furnace shutdown procedure in accordance with the O&M Plan. The Permittee will be allowed to operate the MWCs during complete shutdown of the air pollution control equipment for a period not to exceed the burnout of the MWCs' charge at the time of the shutdown of the air pollution control equipment. The Permittee shall not charge any MSW into the unit(s) following a shutdown of the air pollution control equipment until after the air pollution control equipment has been put back on-line. [NSR Permit Nos. 093-0008 and 093-0009]
- vi. The Permittee shall ensure that the CEM systems meet all applicable performance specifications and quality assurance requirements of RCSA Sections 22a-174-4a and 22a-174-38(j). [NSR Permit Nos. 093-0008 and 093-0009]
- vii. The Permittee shall institute and comply with the following conditions at all times: [NSR Permit Nos. 093-0008 and 093-0009]
 - (A) Vehicular traffic areas shall be paved and adequately swept at the plant site;
 - (B) Ensure that all trucks when loaded with municipal solid waste or any material likely to become airborne are covered at all times while outside the tipping building;
 - (C) Transfer, storage and transportation at and from the plant site, of materials collected from the furnace grates and air pollution control equipment shall be transferred in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer; and
 - (D) The Permittee shall implement a cleanup program on the plant site whereby any refuse, MSW or other materials will be collected.
- viii. The Permittee shall comply with all applicable provisions of 40 CFR Part 60 Subparts A and Ea. [NSR Permit Nos. 093-0008 and 093-0009]

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b. Monitoring Requirements

The Permittee shall continuously monitor and record total combined overfire and underfire air, FF differential pressure, and SNCR reagent flow rate. Averaging time is a 24-hour daily average for a minimum of 95% availability of MWC operating hours in a calendar year. [NSR Permit Nos. 093-0008 and 093-0009]

c. Record Keeping Requirements

- i. The Permittee shall make and keep records of the dates on which cleaning of the boiler tube heat transfer surfaces is performed. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall make and keep records of the dates and time periods of startup, shutdown, malfunction and warm-up. [NSR Permit Nos. 093-0008 and 093-0009]
- iii. During periods of startup, shutdown, or malfunction, monitoring data shall be excluded from calculations of compliance with the emission limits and operating requirements of RCSA Section 22a-174-38 but shall be recorded and reported in accordance with RCSA Sections 22a-174-38(k) and (l). [RCSA§22a-174-38(c)(11)(C)]
- iv. The Permittee shall make and keep records of the dates on which any and all air pollution control equipment undergoes maintenance. [RCSA§22a-174-33(j)(1)(K)]
- v. The Permittee shall maintain for each MWC unit the following records of air pollution control device operation: [RCSA §22a-174-38(k)(12)]
 - (A) For each reagent, the feed rate to the air pollution control device, measured in kg/hr or lb/hr, during the annual particulate emissions performance tests, with supporting calculations;
 - (B) For each reagent, the feed rate to the air pollution control device, measured in kg/hr or lb/hr, for each hour of operation, with supporting calculations; and
 - (C) For each calendar quarter, total reagent usage for each MWC unit in kilograms or pounds for each calendar quarter.
- vi. The Permittee shall label each record listed in Section III.A.24.c.v of this Title V permit with the time and calendar date on which the data was generated. [RCSA §22a-174-38(k)(1)]
- vii. The Permittee shall maintain all records for a period of at least five years from the date the record was created. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(k)(1)]

d. Reporting Requirements

- i. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. The annual report shall include the information as set forth in RCSA Section 22a-174-38(l)(3) and the dates on which cleaning of the boiler tube heat transfer surfaces is performed for each MWC. [NSR Permit Nos. 093-0008 and 093-0009]
- ii. The Permittee shall submit any records required by Section III.A.24 of this Title V permit in writing,

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at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §§22a-174-33(j)(1)(X)]

25. Oxygen

a. Limitation or Restriction

The MWCs shall be equipped with O₂ CEMs. [NSR Permit Nos. 093-0008 and 093-0009]

b. Monitoring Requirements

- i. The Permittee shall install, operate, calibrate and maintain continuous monitoring systems for measuring the O₂ content of the flue gas at each location where CO, SO₂, or NO_x emissions are monitored. [RCSA §22a-174-38(j)(1)]
- ii. O₂ monitors shall meet the applicable performance and quality assurance requirements of 40 CFR Part 60, Appendix B, Performance Specification 3; 40 CFR Part 60, Appendix F, Procedure 1; and 40 CFR §60.13. [RCSA §22a-174-38(j)(1)(B)]
- iii. The Permittee shall comply with the following minimum data requirements: [RCSA §22a-174-38(j)(2)]
 - (A) Data available for the O₂ CEMs shall not be less than 90% of the total operating hours in any one calendar quarter and not less than 95% of the total operating hours in any one calendar year;
 - (B) Obtain valid 1-hour averages for 75% of the operating hours per day for 90% of the operating days per calendar quarter during which the units combust any municipal solid waste;
 - (C) At least three equally spaced data points per hour shall be used to calculate a 1-hour average; and
 - (D) The percentage of data available shall be calculated as follows:
 - (1) In accordance with the procedures specified on forms furnished or prescribed by the commissioner, and
 - (2) Using all data obtained from the O₂ CEMs to calculate emissions concentrations and percent reductions as required by RCSA Section 22a-174-38 regardless of whether the minimum data availability requirements of RCSA Section 22a-174-38(j)(2)(A) are obtained.

c. Record Keeping Requirements

- i. The Permittee shall make and maintain records of the results of daily calibrations and quarterly accuracy determinations for the O₂ CEMs. [RCSA §22a-174-38(k)(8)]
- ii. The Permittee shall label each record with the time and calendar date on which the data was generated and all records shall be maintained for a period of at least five years from the date the record was created. [RCSA §22a-174-38(k)(1)]

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d. Reporting Requirements

The Permittee shall report all CEMs data to the commissioner on a quarterly basis using a 1-hour average. [NSR Permit Nos. 093-0008 and 093-0009]

B. EU-6 ASH CONDITIONER/HANDLING SYSTEM

1. Fugitive Ash Emissions

a. Limitation or Restriction

- i. Except during periods of maintenance and repair of ash conveying systems, the visible emissions to the atmosphere from the conveyance or transfer of combustion ash shall be limited to 5% of the observation period (i.e., nine minutes per 3-hour period), as set forth in RCSA Section 22a-174-38(i)(4)(I). [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(f)]
- ii. During periods of maintenance and repair of the ash conveyance systems all reasonable measures to control emissions from each MWC shall be implemented. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(f)]

b. Monitoring Requirements

- i. The Permittee shall conduct an annual performance test for fugitive ash, for each MWC, at least once per calendar year, under representative full load operating conditions, and as set forth in RCSA Section 22a-174-38(i). Such test shall be conducted no less than 9 calendar months and no more than 15 calendar months following the previous test. [RCSA §22a-174-38(i)(2)]
- ii. Testing for fugitive ash emissions shall be conducted in accordance with the following procedures: [RCSA §22a-174-38(i)(4)(I)]
 - (A) 40 CFR Part 60, Appendix A, Reference Method 22 shall be used for determining compliance with the fugitive ash emissions limit;
 - (B) The minimum observation time shall be a series of three 1-hour observations; and
 - (C) The observation period shall include representative operational times when the facility is transferring ash from the municipal waste combustor unit to the area where ash is stored or loaded into containers or trucks.

c. Record Keeping Requirements

- i. The Permittee shall maintain records of the test reports and supporting calculations documenting the results of all annual performance tests conducted to determine compliance with the emission limits specified in RCSA Section 22a-174-38 for fugitive ash. [RCSA §22a-174-38(k)(10)]
- ii. The Permittee shall label each record with the time and calendar date on which the data was generated and all records shall be maintained for a period of at least five years from the date the record was created. [RCSA §22a-174-38(k)(1)]

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d. Reporting Requirements

- i. The Permittee shall submit a performance test plan for review and written approval of the commissioner, at least 90 days before a required performance test is conducted. At a minimum, the plan shall contain information regarding sampling locations, test methods, sampling protocols, sampling analysis procedures, and any other information required by the commissioner. [RCSA §22a-174-38(1)(4)]
- ii. The Permittee shall provide written notification to the commissioner three business days prior to conducting the performance test. [RCSA §22a-174-38(1)(5)]
- iii. The Permittee shall submit an acceptable test report to the commissioner within 60 days of the completion of the performance test. [NSR Permit Nos. 093-0008 and 093-0009]
- iv. The Permittee shall provide written notification to the commissioner within 72 hours of the time at which the Permittee receives information regarding performance test results indicating that fugitive ash emission levels exceed the applicable emission limits defined in RCSA Section 22a-174-38. [NSR Permit Nos. 093-0008 and 093-0009; RCSA §22a-174-38(1)(6)]
- v. The Permittee shall submit an annual report to the commissioner no later than January 30 of each year following the calendar year in which the data were collected. Each annual report shall include the applicable information, as set forth in RCSA Sections 22a-174-38(1)(3) and (7), and shall be submitted in the manner specified in RCSA Sections 22a-174-38(1)(8) and (9). [RCSA §§22a-174-38(1)(3) and (7)-(9)]

C. GEU-2 EMERGENCY ENGINES [EU-7 AND EU-12]

1. Maximum Hours of Operation

a. Limitation or Restriction

- i. The Permittee shall not cause or allow EU-7 to operate except during periods of testing and scheduled maintenance or during an emergency, and operation of such emergency engine shall not exceed 300 hours in total during any 12 month rolling aggregate. [STATE ONLY REQUIREMENT] [RCSA §22a-174-3b(e)(2)(C)]
- ii. EU-7 shall be operated in a manner such that the engine remains classified as an “emergency engine” in accordance with RCSA Section 22a-174-3b(e). [STATE ONLY REQUIREMENT] [RCSA §22a-174-3b(e)(2)]
- iii. In accordance with 40 CFR §63.6640(f)(2)(i), the Permittee may operate the emergency engines (EU-7 and EU-12) for a maximum of 100 hours per calendar year (each) for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the emergency engines. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency engines beyond 100 hours per calendar year. [40 CFR §63.6640(f)(2)]

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- iv. The Permittee may operate EU-12 for non-emergency situations as allowed by 40 CFR §63.6640(f)(3) and these hours shall be counted as part of the 100 hours per calendar year allowed by 40 CFR §63.6640(f)(2). In order for the emergency engine (EU-12) to be considered an emergency stationary RICE under 40 CFR Part 63 Subpart ZZZZ, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations as previously described, is prohibited. [40 CFR §§63.6640(f) and (f)(3)]

b. Monitoring Requirements

The Permittee shall install non-resettable hour meters, if they are not already installed, for each emergency engine (EU-7 and EU-12). [40 CFR §63.6625(f)]

c. Record Keeping Requirements

- i. The Permittee shall document and keep records of the hours of operation for each emergency engine (EU-7 and EU-12). The hours of operation for the emergency engines (EU-7 and EU-12) shall be recorded through the non-resettable hour meters. The Permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency. [40 CFR §63.6655(f)]
- ii. The Permittee shall keep records of the hours of operation for each emergency engine (EU-7 and EU-12) for each month and each twelve (12) month rolling aggregate. [STATE ONLY REQUIREMENT] [RCSA §22a-174-3b(e)(4)]
- iii. The Permittee shall document and keep records of the number of hours spent for non-emergency operation for EU-12. [40 CFR §63.6655(f)]
- iv. The Permittee shall keep all applicable records in a form suitable and readily available for expeditious review according to 40 CFR §63.10(b)(1), and all records must be kept on the premises for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. [40 CFR §63.6660]

d. Reporting Requirements

- i. The Permittee shall make the applicable records listed in Section III.C.1.c of this Title V permit available upon request of the commissioner. [STATE ONLY REQUIREMENT] [RCSA §22a-174-3b(e)(3)]
- ii. The Permittee shall report the hours of operation for the emergency engines in the annual emission statement. [RCSA §22a-174-33(j)(1)(X)]
- iii. The Permittee shall submit compliance reports according to the requirements outlined in 40 CFR §§63.6650(b) and (c) for EU-7 and EU-12, as applicable. [40 CFR §§63.6650(b), (c) and (h)]

2. Maximum Sulfur Content in Fuel

a. Limitation or Restriction

- i. The Permittee shall only burn fuel with a sulfur content no greater than the most stringent of the following:

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(A) Sulfur content of motor vehicle diesel fuel where "motor vehicle diesel fuel" is defined as in section 22a-174-42 of the Regulations of Connecticut State Agencies.
[STATE ONLY REQUIREMENT] [RCSA §22a-174-3b(e)(2)(D)]

(B) 15 ppm by weight. [RCSA §22a-174-19b(d)(2); 40 CFR §63.6604(b)]

b. Monitoring Requirements

The Permittee shall ensure that the sulfur content in the fuel is in compliance with the limits listed in Section III.C.2.a of this Title V permit. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

i. The Permittee shall maintain records of the sulfur content of the fuel combusted and the quantity purchased for combustion. A written certification or a written contract with a fuel supplier is sufficient if the certification or contract identifies: [RCSA §§22a-174-19b(g)(3)(A)-(D)]

(A) The name of the fuel seller;

(B) The type of fuel purchased;

(C) The sulfur content of the fuel purchased; and

(D) The method used to determine the sulfur content of the fuel purchased.

ii. The Permittee shall keep all applicable records in a form suitable and readily available for expeditious review according to 40 CFR §63.10(b)(1), and all records must be kept on the premises for at least five years from the date the record is created.
[40 CFR §63.6660]

d. Reporting Requirements

The Permittee shall make the applicable records listed in Section III.C.2.c of this Title V permit available upon request of the commissioner. [STATE ONLY REQUIREMENT] [RCSA §22a-174-3b(e)(3)]

3. Work Practices and Maintenance Requirements

a. Limitation or Restriction

i. Except during periods of startup, the Permittee shall change the oil and filter of each emergency engine every 500 hours of operation or annually, whichever comes first. The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement. The oil analysis program shall meet the requirements specified in 40 CFR §63.6625(i).
[40 CFR Part 63 Subpart ZZZZ Table 2c(1)(a)]

ii. Except during periods of startup, the Permittee shall inspect the air cleaner of each emergency engine every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.
[40 CFR Part 63 Subpart ZZZZ Table 2c(1)(b)]

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- iii. Except during periods of startup, the Permittee shall inspect all the hoses and belts of each emergency engine every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR Part 63 Subpart ZZZZ Table 2c(1)(c)]
- iv. The Permittee shall minimize the emergency engines' time spent at idle during startup and minimize the emergency engines' startup time to a period needed for appropriate and safe loading of the engines, not to exceed 30 minutes. [40 CFR §63.6625(h)]
- v. If any of the emergency engines is operating during an emergency and it is not possible to shut down the engine in order to perform the work practices and/or maintenance requirements listed in Section III.C.3.a.i through iii of this Title V permit, or if performing such practices and/or requirements on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice and/or maintenance requirement can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice and/or maintenance requirement should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. [40 CFR Part 63 Subpart ZZZZ Table 2c Footnote 1]
- vi. The Permittee shall at all times operate and maintain the emergency engines, including associated air pollution control equipment and monitoring equipment (if any), in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR §63.6605(b)]
- vii. The Permittee shall also operate and maintain the emergency engines and after-treatment control devices (if any) according to the manufacturer's emissions-related operation and maintenance written instructions or develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the emergency engines in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR §63.6625(e)]
- viii. The Permittee shall comply with the applicable general provisions listed in Table 8 of 40 CFR Part 63 Subpart ZZZZ. [40 CFR §63.6665]

b. Monitoring Requirements

Record keeping specified in Section III.C.3.c of this Title V permit shall be sufficient to meet other Monitoring and Testing Requirements pursuant to RSCA Section 22a-174-33. [RSCA §22a-174-33(j)(l)(K)(ii)]

c. Record Keeping Requirements

- i. If applicable, the Permittee shall keep records of the parameters that are analyzed as part of the oil analysis program, the results of the analysis, and the oil changes for the emergency engines. The analysis program must be part of the maintenance plan for the emergency engines. [40 CFR §63.6625(i)]
- ii. The Permittee shall keep records of each notification and report that was submitted to comply with 40 CFR Part 63 Subpart ZZZZ, including all documentation supporting any Initial Notification or

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Notification of Compliance Status that was submitted, according to the requirements of 40 CFR §63.10(b)(2)(xiv). [40 CFR §63.6655(a)(1)]

- iii. The Permittee shall keep records sufficient to determine continuous compliance with Section III.C.3.a.vii of this Title V permit. [40 CFR §63.6655(d)]
- iv. The Permittee shall keep records of the maintenance conducted on the emergency engines in order to demonstrate that the emergency engines and after-treatment control device (if any) were operated and maintained according to their maintenance plans, and records of all required maintenance performed on the air pollution control and monitoring equipment (if any). [40 CFR §§63.6655(a)(4) and (e)]
- v. The Permittee shall keep records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment (if any), and records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR §§63.6655(a)(2) and (5)]
- vi. The Permittee shall make and keep records of each startup of the emergency engines and the duration of such startups. [RCSA §22a-174-33(j)(1)(K)]
- vii. The Permittee shall keep all applicable records in a form suitable and readily available for expeditious review according to 40 CFR §63.10(b)(1), and all records must be kept on the premises for at least five years after the date of each occurrence, measurement, maintenance, corrective action, report or record. [RCSA §22a-174-3b(e)(3); 40 CFR §63.6660]

d. Reporting Requirements

- i. The Permittee shall report each instance in which it did not meet the requirements listed in Section III.C.4.a.i through C.4.a.iv of this Title V permit. These must be reported according to the requirements specified in 40 CFR §63.6650 and shall include the federal, state or local law under which the risk was deemed unacceptable. [40 CFR §63.6640(b) and Table 2c Footnote 1]
- ii. The Permittee shall report each instance it did not meet the applicable requirements in Table 8 of 40 CFR Part 63 Subpart ZZZZ. [40 CFR §63.6640(e)]
- iii. The Permittee shall report all applicable deviations as defined in 40 CFR Part 63 Subpart ZZZZ in the semiannual monitoring report required by 40 CFR §70.6 or 40 CFR §71.6. [40 CFR §63.6650(f)]
- iv. The Permittee shall submit compliance reports according to the requirements outlined in 40 CFR §§63.6650(b) and (c) for EU-7 and EU-12, as applicable. [40 CFR §§63.6650(b), (c) and (h)]

D. PREMISES-WIDE GENERAL REQUIREMENTS

1. **Annual Emission Statements:** The Permittee shall submit annual emission statements requested by the commissioner as set forth in RCSA §22a-174-4a(b)(1).
2. **Emission Testing:** The Permittee shall comply with the procedures for sampling, emission testing, sample analysis, and reporting as set forth in RCSA §22a-174-5.

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3. **Emergency Episode Procedures:** The Permittee shall comply with the procedures for emergency episodes as set forth in RCSA §22a-174-6.
4. **Reporting of Malfunctioning Control Equipment:** The Permittee shall comply with the reporting requirements of malfunctioning control equipment as set forth in RCSA §22a-174-7.
5. **Prohibition of Air Pollution:** The Permittee shall comply with the requirement to prevent air pollution as set forth in RCSA §22a-174-9.
6. **Public Availability of Information:** The public availability of information shall apply, as set forth in RCSA §22a-174-10.
7. **Prohibition Against Concealment/Circumvention:** The Permittee shall comply with the prohibition against concealment or circumvention as set forth in RCSA §22a-174-11.
8. **Violations and Enforcement:** The Permittee shall not violate or cause the violation of any applicable regulation as set forth in RCSA §22a-174-12.
9. **Variations:** The Permittee may apply to the commissioner for a variance from one or more of the provisions of these regulations as set forth in RCSA §22a-174-13.
10. **No Defense to Nuisance Claim:** The Permittee shall comply with the regulations as set forth in RCSA §22a-174-14.
11. **Severability:** The Permittee shall comply with the severability requirements as set forth in RCSA §22a-174-15.
12. **Responsibility to Comply:** The Permittee shall be responsible to comply with the applicable regulations as set forth in RCSA §22a-174-16.
13. **Particulate Emissions:** The Permittee shall comply with the standards for control of particulate matter and visible emissions as set forth in RCSA §22a-174-18. (Section 18 approved by EPA on 9-23-1982, current4Regulation submitted to EPA on 12-1-2004.)
14. **Sulfur Compound Emissions:** The Permittee shall comply with the requirements for control of sulfur compound emissions as set forth in RCSA §§22a-174-19, -19a and -19b, as applicable.
15. **Fuel Sulfur Content:** The Permittee shall not use No. 2 heating oil that exceeds fifteen parts per million of sulfur by weight as set forth in CGS §16a-21a(a)(2)(B).
16. **Sulfur Dioxide Emissions:** The Permittee shall comply with the requirements for Control of Sulfur Dioxide Emissions from Power Plants and other large stationary sources of air pollution as set forth in RCSA §22a-174-19a.
17. **Organic Compound Emissions:** The Permittee shall comply with the requirements for control of organic compound emissions as set forth in RCSA §22a-174-20.
18. **Nitrogen Oxide Emissions:** The Permittee shall comply with the requirements for control of nitrogen oxide emissions as set forth in RCSA §22a-174-22.
19. **Ambient Air Quality:** The Permittee shall not cause or contribute to a violation of an ambient air quality

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standard as set forth in RCSA §22a-174-24(b).

20. **Asbestos:** Should the premises, as defined in 40 CFR §61.145, become subject to the national emission standard for asbestos regulations in 40 CFR Part 61 Subpart M when conducting any renovation or demolition at this premises, then the Permittee shall submit proper notification as described in 40 CFR §61.145(b) and shall comply with all other applicable requirements of 40 CFR Part 61 Subpart M.
21. **Emission Fees:** The Permittee shall pay an emission fee as set forth in RCSA §22a-174-26(d).
22. **Greenhouse Gases:** The Permittee shall comply with the requirements for reporting of greenhouse gas emissions as set forth in 40 CFR Part 98, as applicable.
23. **Open Burning:** The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).
24. **Municipal Waste Combustors:** The Permittee shall comply with the standards for municipal waste combustors as set forth in RCSA §22a-174-38.
25. **Enforcement Considerations:** The Permittee shall comply with the following:
[NSR Permit Nos. 093-0008 and 093-0009]
 - a. CEM data, stack testing data and the results of any monitoring and testing of source parameters and emission rates shall, unless otherwise specified in NSR Permit Nos. 093-0008 and 093-0009, be used to determine compliance with NSR Permit Nos. 093-0008 and 093-0009.
 - b. Certain pollutants have both emission limits and shutdown limits. An exceedance of either an emission limit (except during periods of startup, shutdown, or malfunction) or a shutdown limit is considered a violation of a permit condition and will subject the Permittee to enforcement action. If a shutdown limit is exceeded, the Permittee must cease operation of the MWC and will be subject to enforcement action. The existence of a shutdown limit shall not preclude an EPA or DEEP enforcement action seeking injunctive relief, including shutdown of the facility, for a violation of an emission limit.
 - c. Pursuant to CGS §22a-6b, the Permittee is hereby advised of its liability for assessment of civil penalties for any violation of NSR Permit Nos. 093-0008 and 093-0009.
 - d. Notwithstanding any other provision of NSR Permit Nos. 093-0008 and 093-0009, for the purpose of determining compliance or establishing whether a Permittee has violated or is in violation of any permit condition, nothing in NSR Permit Nos. 093-0008 and 093-0009 shall preclude the use, including the exclusive use, of any credible evidence or information.
 - e. Because it is possible that under certain operating conditions of the SNCR system that ammonium salts (e.g., ammonium chloride and ammonium sulfate) may be formed which may not be effectively controlled by the fabric filter, operation of the SNCR system shall not be considered in emission limit violations for PM and PM₁₀.

Section IV: Compliance Schedule

TABLE IV: COMPLIANCE SCHEDULE				
Emissions Unit	Applicable Regulations	Steps Required for Achieving Compliance (Milestones)	Date by which Each Step is to be Completed	Dates for Monitoring, Record Keeping, and Reporting
		No steps are required for achieving compliance at this time.		

Section V: State Enforceable Terms and Conditions

Only the Commissioner of the Department of Energy and Environmental Protection has the authority to enforce the terms, conditions and limitations contained in this section.

SECTION V: STATE ENFORCEABLE TERMS AND CONDITIONS

- A.** This Title V permit does not relieve the Permittee of the responsibility to conduct, maintain and operate the emissions units in compliance with all applicable requirements of any other Bureau of the Department of Energy and Environmental Protection or any federal, local or other state agency. Nothing in this Title V permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- B.** Nothing in this Title V 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, investigate air 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.
- C.** Additional Emissions Units
1. The Permittee shall make and submit a written record, at the commissioner's request, within 30 days of receipt of notice from the commissioner, or by such other date specified by the commissioner, of each additional emissions unit or group of similar or identical emissions units at the premises.
 2. Such record of additional emissions units shall include each emissions unit, or group of emissions units, at the premises which is not listed in Section II.A of this Title V permit, unless the emissions unit, or group of emissions units, is:
 - a. an insignificant emissions unit as defined in RCSA §22a-174-33; or
 - b. an emissions unit or activity listed in *White Paper for Streamlined Development of Part 70 Permit Applications, Attachment A* (EPA guidance memorandum dated July 10, 1995).
 3. For each emissions unit, or group of emissions units, on such record, the record shall include, as available:
 - a. Description, including make and model;
 - b. Year of construction/installation or if a group, range of years of construction/installation;
 - c. Maximum throughput or capacity; and
 - d. Fuel type, if applicable.
- D.** Odors: The Permittee shall not cause or permit the emission of any substance or combination of substances which creates or contributes to an odor that constitutes a nuisance beyond the property boundary of the premises as set forth in RCSA §22a-174-23.
- E.** Noise: The Permittee shall operate in compliance with the regulations for the control of noise as set forth in RCSA §§22a-69-1 through 22a-69-7.4, inclusive.

Section V: State Enforceable Terms and Conditions

- F.** Hazardous Air Pollutants (HAPs): The Permittee shall operate in compliance with the regulations for the control of HAPs as set forth in RCSA §22a-174-29.
- G.** The Permittee shall comply with the requirements for Control of Carbon Dioxide Emissions as set forth in RCSA §22a-174-31.

Section VI: Title V Requirements

The Administrator of the United States Environmental Protection Agency and the Commissioner of the Department of Energy and Environmental Protection have the authority to enforce the terms and conditions contained in this section.

SECTION VI: TITLE V REQUIREMENTS

A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR

The date of submission to the commissioner of any document required by this Title V permit shall be the date such document is received by the commissioner. The date of any notice by the commissioner under this Title V permit, including, but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is delivered or the date three days after it is mailed by the commissioner, whichever is earlier. Except as otherwise specified in this Title V permit, the word "day" means calendar day. Any document or action which is required by this Title V 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.

Any document required to be submitted to the commissioner under this Title V permit shall, unless otherwise specified in writing by the commissioner, be directed to: Compliance Analysis and Coordination Unit, Bureau of Air Management, Department of Energy and Environmental Protection; 79 Elm Street, 5th Floor; Hartford, Connecticut 06106-5127.

Any submittal to the Administrator of the Environmental Protection Agency shall be submitted per the procedure required by the applicable requirement or otherwise in a computer-readable format and addressed to: Director, Enforcement and Compliance Assurance Division, U.S. EPA Region I, 5 Post Office Square, Suite 100 (Mailcode: 04-02), Boston, Massachusetts 02109-3912, Attn: Air Compliance Clerk.

B. CERTIFICATIONS [RCSA §22a-174-33(b)]

In accordance with RCSA §22a-174-33(b), any report or other document required by this Title V permit and any other information submitted to the commissioner or Administrator shall be signed by an individual described in RCSA §22a-174-2a(a), or by a duly authorized representative of such individual. Any individual signing any document pursuant to RCSA §22a-174-33(b) shall examine and be familiar with the information submitted in the document and all attachments thereto, and shall make inquiry of those individuals responsible for obtaining the information to determine that the information is true, accurate, and complete, and shall also sign the following certification as provided in RCSA §22a-174-2a(a)(4):

“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.”

C. SIGNATORY RESPONSIBILITY [RCSA §22a-174-2a(a)]

For purposes of signing any Title V-related application, document, report or certification required by RCSA §22a-174-33, any corporation's duly authorized representative may be either a named individual or any individual occupying a named position. Such named individual or individual occupying a named position is a duly authorized representative if such individual is responsible for the overall operation of one or more manufacturing, production or operating facilities subject to RCSA §22a-174-33 and either:

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1. The facilities employ more than 250 persons or have gross annual sales or expenditures exceeding 25 million dollars in second quarter 1980 dollars; or
2. The delegation of authority to the duly authorized representative has been given in writing by an officer of the corporation in accordance with corporate procedures and the following:
 - i. Such written authorization specifically authorizes a named individual, or a named position, having responsibility for the overall operation of the Title V premises or activity,
 - ii. Such written authorization is submitted to the commissioner and has been approved by the commissioner in advance of such delegation. Such approval does not constitute approval of corporate procedures, and
 - iii. If a duly authorized representative is a named individual in an authorization submitted under subclause ii. of this subparagraph and a different individual is assigned or has assumed the responsibilities of the duly authorized representative, or, if a duly authorized representative is a named position in an authorization submitted under subclause ii. of this subparagraph and a different named position is assigned or has assumed the duties of the duly authorized representative, a new written authorization shall be submitted to the commissioner prior to or together with the submission of any application, document, report or certification signed by such representative.

D. ADDITIONAL INFORMATION [RCSA §22a-174-33(j)(1)(X), RCSA §22a-174-33(h)(2)]

The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier, including information to determine whether cause exists for modifying, revoking, reopening, reissuing, or suspending this Title V permit or to determine compliance with this Title V permit.

In addition, the Permittee shall submit information to address any requirements that become applicable to the subject source and shall submit correct, complete, and sufficient information within 15 days of the applicant's becoming aware of any incorrect, incomplete, or insufficient submittal, during the pendency of the application, or any time thereafter, with an explanation for such deficiency and a certification pursuant to RCSA §22a-174-2a(a)(5).

E. MONITORING REPORTS [RCSA §22a-174-33(o)(1)]

A Permittee, required to perform monitoring pursuant to this Title V permit, shall submit to the commissioner, on forms prescribed by the commissioner, written monitoring reports on March 1 and September 1 of each year or on a more frequent schedule if specified in such permit. Such monitoring reports shall include the date and description of each deviation from a permit requirement including, but not limited to:

1. Each deviation caused by upset or control equipment deficiencies; and
2. Each deviation of a permit requirement that has been monitored by the monitoring systems required under this Title V permit, which has occurred since the date of the last monitoring report; and
3. Each deviation caused by a failure of the monitoring system to provide reliable data.

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F. PREMISES RECORDS [RCSA §22a-174-33(o)(2)]

Unless otherwise required by this Title V permit, the Permittee shall make and keep records of all required monitoring data and supporting information for at least five years from the date such data and information were obtained. The Permittee shall make such records available for inspection at the site of the subject source, and shall submit such records to the commissioner upon request. The following information, in addition to required monitoring data, shall be recorded for each permitted source:

1. The type of monitoring or records used to obtain such data, including record keeping;
2. The date, place, and time of sampling or measurement;
3. The name of the individual who performed the sampling or the measurement and the name of such individual's employer;
4. The date(s) on which analyses of such samples or measurements were performed;
5. The name and address of the entity that performed the analyses;
6. The analytical techniques or methods used for such analyses;
7. The results of such analyses;
8. The operating conditions at the subject source at the time of such sampling or measurement; and
9. All calibration and maintenance records relating to the instrumentation used in such sampling or measurements, all original strip-chart recordings or computer printouts generated by continuous monitoring instrumentation, and copies of all reports required by the subject permit.

G. PROGRESS REPORTS [RCSA §22a-174-33(q)(1)]

The Permittee shall, on March 1 and September 1 of each year, or on a more frequent schedule if specified in this Title V permit, submit to the commissioner a progress report on forms prescribed by the commissioner, and certified in accordance with RCSA §22a-174-2a(a)(5). Such report shall describe the Permittee's progress in achieving compliance under the compliance plan schedule contained in this Title V permit. Such progress report shall:

1. Identify those obligations under the compliance plan schedule in this Title V permit which the Permittee has met, and the dates on which they were met; and
2. Identify those obligations under the compliance plan schedule in this Title V permit which the Permittee has not timely met, explain why they were not timely met, describe all measures taken or to be taken to meet them and identify the date by which the Permittee expects to meet them.

Any progress report prepared and submitted pursuant to RCSA §22a-174-33(q)(1) shall be simultaneously submitted by the Permittee to the Administrator.

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H. COMPLIANCE CERTIFICATIONS [RCSA §22a-174-33(q)(2)]

The Permittee shall, on March 1 of each year, or on a more frequent schedule if specified in this Title V permit, submit to the commissioner a written compliance certification certified in accordance with RCSA §22a-174-2a(a)(5) and which includes the information identified in 40 CFR §70.6(c)(5)(iii)(A) to (C), inclusive.

Any compliance certification prepared and submitted pursuant to RCSA §22a-174-33(q)(2) shall be simultaneously submitted by the Permittee to the Administrator.

I. PERMIT DEVIATION NOTIFICATIONS [RCSA §22a-174-33(p)]

Notwithstanding Section VI.D of this Title V permit, the Permittee shall notify the commissioner in writing, on forms prescribed by the commissioner, of any deviation from an emissions limitation, 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:

1. For any hazardous air pollutant, no later than 24 hours after such deviation commenced; and
2. For any other regulated air pollutant, no later than ten days after such deviation commenced.

J. PERMIT RENEWAL [RCSA §22a-174-33(j)(1)(B)]

All of the terms and conditions of this Title V permit shall remain in effect until the renewal permit is issued or denied provided that a timely renewal application is filed in accordance with RCSA §§22a-174-33(g), -33(h), and -33(i).

K. OPERATE IN COMPLIANCE [RCSA §22a-174-33(j)(1)(C)]

The Permittee shall operate the source in compliance with the terms of all applicable regulations, the terms of this Title V permit, and any other applicable provisions of law. In addition, any noncompliance constitutes a violation of the Clean Air Act and Chapter 446c of the Connecticut General Statutes and is grounds for federal and/or state enforcement action, permit termination, revocation and reissuance, or modification, and denial of a permit renewal application.

L. COMPLIANCE WITH PERMIT [RCSA §22a-174-33(j)(1)(G)]

This Title V permit shall not be deemed to:

1. Preclude the creation or use of emission reduction credits or allowances or the trading thereof in accordance with RCSA §§22a-174-33(j)(1)(I) and -33(j)(1)(P), provided that the commissioner's prior written approval of the creation, use, or trading is obtained;
2. Authorize emissions of an air pollutant so as to exceed levels prohibited pursuant to 40 CFR Part 72;
3. Authorize the use of allowances pursuant to 40 CFR Parts 72 through 78, inclusive, as a defense to noncompliance with any other applicable requirement; or
4. Impose limits on emissions from items or activities specified in RCSA §§22a-174-33(g)(3)(A) and -33(g)(3)(B) unless imposition of such limits is required by an applicable requirement.

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M. INSPECTION TO DETERMINE COMPLIANCE [RCSA §22a-174-33(j)(1)(M)]

The commissioner may, for the purpose of determining compliance with this Title V permit and other applicable requirements, enter the premises at reasonable times to inspect any facilities, equipment, practices, or operations regulated or required under such permit; to sample or otherwise monitor substances or parameters; and to review and copy relevant records lawfully required to be maintained at such premises in accordance with this Title V permit. It shall be grounds for permit revocation should entry, inspection, sampling, or monitoring be denied or effectively denied, or if access to and the copying of relevant records is denied or effectively denied.

N. PERMIT AVAILABILITY

The Permittee shall have available at the facility at all times a copy of this Title V permit.

O. SEVERABILITY CLAUSE [RCSA §22a-174-33(j)(1)(R)]

The provisions of this Title V permit are severable. If any provision of this Title V permit or the application of any provision of this Title V permit to any circumstance is held invalid, the remainder of this Title V permit and the application of such provision to other circumstances shall not be affected.

P. NEED TO HALT OR REDUCE ACTIVITY [RCSA §22a-174-33(j)(1)(T)]

It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Title V permit.

Q. PERMIT REQUIREMENTS [RCSA §22a-174-33(j)(1)(V)]

The filing of an application or of a notification of planned changes or anticipated noncompliance does not stay the Permittee's obligation to comply with this Title V permit.

R. PROPERTY RIGHTS [RCSA §22a-174-33(j)(1)(W)]

This Title V permit does not convey any property rights or any exclusive privileges. This Title V 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 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, including CGS §4-181a(b) and RCSA §22a-3a-5(b). This Title V permit shall neither create nor affect any rights of persons who are not parties to this Title V permit.

S. ALTERNATIVE OPERATING SCENARIO RECORDS [RCSA §22a-174-33(o)(3)]

The Permittee shall, contemporaneously with making a change authorized by this Title V permit from one alternative operating scenario to another, maintain a record at the premises indicating when changes are made from one operating scenario to another and shall maintain a record of the current alternative operating scenario.

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T. OPERATIONAL FLEXIBILITY AND OFF-PERMIT CHANGES [RCSA §22a-174-33(r)(2)]

The Permittee may engage in any action allowed by the Administrator in accordance with 40 CFR §§70.4(b)(12)(i) to (iii)(B), inclusive, and 40 CFR §§70.4(b)(14)(i) to (iv), inclusive, without a Title V non-minor permit modification, minor permit modification or revision and without requesting a Title V non-minor permit modification, minor permit modification or revision provided such action does not:

1. Constitute a modification under 40 CFR Part 60, 61 or 63;
2. Exceed emissions allowable under the subject permit;
3. Constitute an action which would subject the Permittee to any standard or other requirement pursuant to 40 CFR Parts 72 to 78, inclusive; or
4. Constitute a non-minor permit modification pursuant to RCSA §22a-174-2a(d)(4).

At least seven days before initiating an action specified in RCSA §22a-174-33(r)(2)(A), the Permittee shall notify the Administrator and the commissioner in writing of such intended action.

U. INFORMATION FOR NOTIFICATION [RCSA §22a-174-33(r)(2)(A)]

Written notification required under RCSA §22a-174-33(r)(2)(A) shall include a description of each change to be made, the date on which such change will occur, any change in emissions that may occur as a result of such change, any Title V permit terms and conditions that may be affected by such change, and any applicable requirement that would apply as a result of such change. The Permittee shall thereafter maintain a copy of such notice with the Title V permit. The commissioner and the Permittee shall each attach a copy of such notice to their copy of the Title V permit.

V. TRANSFERS [RCSA §22a-174-2a(g)]

No person other than the Permittee shall act or refrain from acting under the authority of this Title V permit unless such permit has been transferred to another person in accordance with RCSA §22a-174-2a(g).

The proposed transferor and transferee of a permit shall submit to the commissioner a request for a permit transfer on a form provided by the commissioner. A request for a permit transfer shall be accompanied by any fees required by any applicable provision of the general statutes or regulations adopted thereunder. The commissioner may also require the proposed transferee to submit with any such request, the information identified in CGS §22a-6m.

W. REVOCATION [RCSA §22a-174-2a(h)]

The commissioner may revoke this Title V permit on his own initiative or on the request of the Permittee or any other person, in accordance with CGS §4-182(c), RCSA §22a-3a-5(d), and any other applicable law. Any such request shall be in writing and contain facts and reasons supporting the request. The Permittee requesting revocation of this Title V permit shall state the requested date of revocation and provide evidence satisfactory to the commissioner that the subject source is no longer a Title V source.

Pursuant to the Clean Air Act, the Administrator has the power to revoke this Title V permit. Pursuant to the Clean Air Act, the Administrator also has the power to reissue this Title V permit if the Administrator has determined that the commissioner failed to act in a timely manner on a permit renewal application.

Section VI: Title V Requirements

This Title V permit may be modified, revoked, reopened, reissued, or suspended by the commissioner, or the Administrator in accordance with RCSA §22a-174-33(r), CGS §22a-174c, or RCSA §22a-3a-5(d).

X. REOPENING FOR CAUSE [RCSA §22a-174-33(s)]

This Title V permit may be reopened by the commissioner, or the Administrator in accordance with RCSA §22a-174-33(s).

Y. CREDIBLE EVIDENCE

Notwithstanding any other provision of this Title V permit, for the purpose of determining compliance or establishing whether a Permittee has violated or is in violation of any permit condition, nothing in this Title V permit shall preclude the use, including the exclusive use, of any credible evidence or information.

Print for Compliance Certification or Enforcement

Click the button below to generate the appropriate checklist. Be aware that this macro does not work unless you have access to the DEEP D-Drive.

This macro takes anywhere from 2-5 minutes to run. Your computer will look like it is locked up but it is working. Unfortunately the new DEEP virtual computer system makes this process even slower. Please be patient.

Print Enforcement Checklist

Print Compliance Certification