



Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**

**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	117 - 0271 - TV
Client/Sequence/Town/Premises Numbers	205/2/117/49
Date Issued	March 4, 2015
Expiration Date	March 4, 2020

Corporation:

Yale University, School of Medicine Premises

Premises Location:

330 Cedar Street, New Haven, Connecticut 06510

Name of Responsible Official and Title:

John H. Bollier, Associate Vice President for Facilities Operation

All the following attached pages, 2 through 50, are hereby incorporated by reference into this Title V permit.

/s/Anne Gobin for _____
Robert J. Klee
Commissioner

March 4, 2015
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>
CAM	Compliance Assurance Monitoring
CEM	Continuous Emissions Monitor
CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
CO	Carbon Monoxide
DEEP	Department of Energy and Environmental Protection
EU	Emissions Unit
EPA	Environmental Protection Agency
FGR	Flue Gas Recirculation
GEU	Grouped Emissions Units
gpm	Gallons per minute
HAP	Hazardous Air Pollutant
hr	hour
HVLP	High Volume Low Pressure
kW	Kilowatt
lb	Pound
MACT	Maximum Achievable Control Technology
MMBtu	Millions of British Thermal Units
MW	Megawatt
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO _x	Nitrogen Oxides
NSR	New Source Review
O ₂	Oxygen
PM	Particulate Matter
PM-10	Particulate Matter less than 10 microns
PM-2.5	Particulate Matter less than 2.5 microns
ppm	Parts per million
RCSA	Regulations of Connecticut State Agencies
RMP	Risk Management Plan
SIC	Source Identification Code
SCR	Selective Catalytic Reduction
SO _x	Sulfur Oxides
SO ₂	Sulfur Dioxide
tpy	Tons per year
TSP	Total Suspended Particulate
VOC	Volatile Organic Compound

Section I: Premises Information/Description

A. PREMISES INFORMATION

Nature of Business: University – school of higher education
Primary SIC: 8221

Facility Mailing Address: 2 Whitney Avenue, 5th Floor New Haven, CT 06520-8297
Telephone Number: (203) 737-4338

B. PREMISES DESCRIPTION

The Yale University School of Medicine Premises located in New Haven, CT consists of a large number of buildings used for higher education, research and development laboratories, student housing, and administrative offices. Many of these buildings are interconnected, and many are heated and cooled by steam-generating plants owned by Yale. However, some buildings have their own sources of heat and hot water and emergency generators.

The School of Medicine Premises contains the Sterling Power Plant. Sterling houses four steam boilers each capable of burning combinations of No. 2 fuel oil and natural gas and a combined cycle cogeneration facility (consisting of two 7.5 MW Soar Taurus 70 turbines, two Rentech Duct Burners with SCR and CO Catalytic Oxidizer) to provide reliable electrical power and to meet heating and cooling needs of the campus. The premises also contains emergency diesel and natural gas fired generators to provide power reliability.

The Sterling Power Plant and all other fuel burning equipment on this premises constructed on or before April 8, 2009 shall operate under an annual NO_x limit of 116.6 tons.

The premises contains several emergency engines and small boilers operated in accordance with RCSA §22a-174-3b and one paint spray booth operated in accordance with RCSA §22a-174-3c. In addition to sources that have unit specific applicable requirements, these premises contain many small sources that typically have no unit specific applicable requirements. Such sources are often replaced, removed or added to the premises.

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/ Grouped Emissions Unit	Emissions Unit Description	Size Rating/ Design Capacity	Control Unit Description	Monitoring Unit Description	Permit or Regulation Number
EU 1	Babcock & Wilcox Boiler No. 8 Model FM103-70 Location: Congress Avenue, 309 (Sterling Power Plant) Construction Date: 1987	80.8 MMBtu/hr (Oil) 85 MMBtu/hr (Nat. Gas)	Low NOx Burner	None	1. P-117-0105 2. RCSA §22a-174-22
EU 5/ GEU 2	Nebraska Boiler No. 9 Model NOS-2A-58 Location: Congress Avenue, 309 (Sterling Power Plant) Construction Date: 1994	73.5 MMBtu/hr (Oil) 76.2 MMBtu/hr (Nat. Gas)	Low NOx Burner & FGR	None	1. P-117-0326 2. 40 CFR Part 60 Subpart Dc
EU 6/ GEU 2	Nebraska Boiler No. 10 Model NOS-2A-58 Location: Congress Avenue, 309 (Sterling Power Plant) Construction Date: 2004	73.5 MMBtu/hr (Oil) 76.2 MMBtu/hr (Nat. Gas)	Low NOx Burner & FGR	None	1. P-117-0220 2. 40 CFR Part 60 Subpart Dc
EU 7	Binks 2001 HVLP Spray Coating Unit Location: Daggett Street, 21 Construction Date: 2004		Filters with 98.5% efficiency	None	RCSA §22a-174-3c
EU 8/ GEU 2	Nebraska Boiler No. 11 Model NOS-2A-81, S/N 0-4432 Location: Congress Avenue, 309 (Sterling Power Plant) Construction Date: 2004	81.54 MMBtu/hr (Oil) 85.47 MMBtu/hr (Nat. Gas)	Low NOx Burner & FGR	None	1. P-117-0355 2. 40 CFR Part 60 Subpart Dc

Section II: Emissions Units Information

TABLE II.A: EMISSIONS UNITS DESCRIPTION					
Emissions Unit/ Grouped Emissions Unit	Emissions Unit Description	Size Rating/ Design Capacity	Control Unit Description	Monitoring Unit Description	Permit or Regulation Number
EU 9/ GEU 3	7.5 MW Solar Taurus 70 Turbine with Rentech Duct Burner Location: Congress Avenue, 309 (Sterling Power Plant) Construction Date: 2009	91.01 MMBtu/hr (turbine Nat. Gas) 67 MMBtu/hr (duct burner Nat. Gas) 83.06 MMBtu/hr (turbine Oil)	SCR; Low NOx Burner; & CO Oxidation Catalyst	NOx & O ₂	1. P-117-0369 2. RCSA §22a-174-22 3. 40 CFR Part 60 Subpart KKKK
EU 10/ GEU 3	7.5 MW Solar Taurus 70 Turbine with Rentech Duct Burner Location: Congress Avenue, 309 (Sterling Power Plant) Construction Date: 2009	91.01 MMBtu/hr (turbine Nat. Gas) 67 MMBtu/hr (duct burner Nat. Gas) 83.06 MMBtu/hr (turbine Oil)	SCR; Low NOx Burner; & CO Oxidation Catalyst	NOx & O ₂	1. P-117-0370 2. RCSA §22a-174-22 3. 40 CFR Part 60 Subpart KKKK
EU 16/ GEU 5	Caterpillar Emergency Diesel Generator Model No. 3412 Location: Liberty Street, 184, (YPI) Construction Date: 1990	500 KW	None	None	1. RCSA §22a-174-3b(e) 2. RCSA §22a-174-22
EU 17/ GEU 5	Cummins Emergency Diesel Generator Model No. VTA28-GS1 Location: Howard Avenue, 800 (YPB) Construction Date: 1988	500 KW	None	None	1. RCSA §22a-174-3b(e) 2. RCSA §22a-174-22
EU 19/ GEU 5	Mitsubishi Emergency Diesel Generator Model No. S12 H-PTA Location: Congress Avenue, behind Sterling Power Plant Construction Date: 2002	1000 KW	None	None	1. RCSA §22a-174-3b(e) 2. RCSA §22a-174-22
EU 20/ GEU 5	Mitsubishi Emergency Diesel Generator Model No. S6A3-PTA Location: Cedar Street, 310 FMM 221 Construction Date: 2001	500 KW	None	None	1. RCSA §22a-174-3b(e) 2. RCSA §22a-174-22

Section II: Emissions Units Information

TABLE II.A: EMISSIONS UNITS DESCRIPTION					
Emissions Unit/ Grouped Emissions Unit	Emissions Unit Description	Size Rating/ Design Capacity	Control Unit Description	Monitoring Unit Description	Permit, Order, Registration, or Regulation Number
EU 23/ GEU 5	Caterpillar Emergency Diesel Generator Model No. 3516 Location: Anylan Center Construction Date: 2002	2000 KW	None	None	1. RCSA §22a-174-3b(e) 2. RCSA §22a-174-22
EU 27/ GEU 5	Caterpillar Emergency Diesel Generator Model No. 3516B Location: Congress Avenue, Sterling Power Plant Construction Date: 2002	2000 KW	None	None	1. RCSA §22a-174-3b(e) 2. RCSA §22a-174-22
EU 46/ GEU 5	Caterpillar/HO Penn Diesel Emergency Generator Location: Amistad Building/ Parking Garage Construction Date: 2007	750 KW	None	None	1. RCSA §22a-174-3b(e) 2. RCSA §22a-174-22

Section II: Emissions Units Information

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.

TABLE II.B: OPERATING SCENARIO IDENTIFICATION		
Identification of Operating Scenario	Emissions Units Associated with the Scenario	Description of Scenario
SOS	ALL EMISSIONS UNITS	All emissions units shall be operated in accordance with applicable permit or regulation terms and conditions.

Section III: Applicable Requirements and Compliance Demonstration

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

A. EMISSIONS UNIT 1 - Babcock & Wilcox Boiler No. 8 Model FM103-70 [P-117-0105]

1. NO_x

a. Limitation or Restriction

- i. The NO_x emissions shall not exceed 0.140 lb/MMBtu of heat input when burning No. 2 fuel oil and 0.140 lb/MMBtu of heat input when burning natural gas. [P-117-0105]
- ii. The NO_x emissions shall not exceed 11.31 lb/hr when burning No. 2 fuel oil and 11.90 lb/hr when burning natural gas. [P-117-0105]
- iii. The combined actual NO_x emissions for all fuel burning equipment at the premises, constructed on or before April 8, 2009 shall not exceed 116.6 tpy on a calendar year basis. [P-117-0105]

b. Monitoring and Testing Requirements

The Permittee shall conduct NO_x emission tests at least once every five years. Each such emission test shall be conducted in accordance with RCSA §22a-174-5. [RCSA §22a-174-22(k)(1), P-117-0105]

c. Record Keeping Requirements

- i. The Permittee shall maintain a record of monthly and annual calendar actual NO_x emissions for all fuel burning equipment on the premises, constructed on or before April 8, 2009, combined. The monthly emissions shall be calculated using emission factors obtained from the latest stack test or if unavailable, manufacturer's emissions data and the fuel usage. Annual emissions shall be calculated on a calendar year basis by adding the current calendar month's combined emissions to those of the previous calendar months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0105]
- ii. The Permittee shall keep records of all tune-ups, repairs, replacement of parts and other maintenance done on the unit. [RCSA §22a-174-22(l)(1)(D)]
- iii. The Permittee shall keep copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22. [RCSA §22a-174-22(l)(1)(E)]
- iv. The Permittee shall keep procedures for calculating NO_x emission rates. [RCSA §22a-174-22(l)(1)(G)]
- v. The Permittee shall keep records of the dates, times, and places of all emission testing done on this unit, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [RCSA §22a-174-22(l)(1)(H)]
- vi. The Permittee shall maintain reports of all test data in accordance with RCSA §22a-174-4(d)(1).

Section III: Applicable Requirements and Compliance Demonstration

d. Reporting Requirements

The Permittee shall provide all records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

2. SO_x

a. Limitation or Restriction

- i. The SO_x emissions shall not exceed 0.0522 lb/MMBtu when burning No. 2 fuel oil and 0.0006 lb/MMBtu when burning natural gas. [P-117-0105]
- ii. The SO_x emissions shall not exceed 4.22 lb/hr when burning No. 2 fuel oil and 0.051 lb/hr when burning natural gas. [P-117-0105]
- iii. The combined SO_x emissions for EU 1 and GEU 2 shall not exceed 44.43 tpy. [P-117-0105]

b. Monitoring and Testing Requirements

Record keeping specified in Section III.A.2.c of this Title V permit shall be sufficient to meet other Monitoring and Testing Requirements pursuant to RCSA §22a-174-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall maintain a record of monthly and annual SO_x emissions for EU 1 and GEU 2 combined. The monthly emissions shall be calculated using emission factors obtained from the latest version of AP-42 and the fuel usage. Annual emissions shall be calculated each calendar month by adding the current calendar month's combined emissions to those of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0105]

d. Reporting Requirements

The Permittee shall provide all records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

3. PM-10

a. Limitation or Restriction

- i. The PM-10 emissions shall not exceed 0.0170 lb/MMBtu of heat input when burning No. 2 fuel oil and 0.0076 lb/MMBtu of heat input when burning natural gas. [P-117-0105]
- ii. The PM-10 emissions shall not exceed 1.37 lb/hr when burning No. 2 fuel oil and 0.650 lb/hr when burning natural gas. [P-117-0105]
- iii. The combined PM-10 emissions for EU 1 and GEU 2 shall not exceed 15.66 tpy. [P-117-0105]

Section III: Applicable Requirements and Compliance Demonstration

b. Monitoring and Testing Requirements

Record keeping specified in Section III.A.3.c of this Title V permit shall be sufficient to meet other Monitoring and Testing Requirements pursuant to RCSA §22a-174-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall maintain monthly and annual actual PM-10 emissions for EU 1 and GEU 2 combined. The monthly emissions shall be calculated using emission factors obtained from the latest stack test or if unavailable, manufacturer's emissions data and the fuel usage. Annual emissions shall be calculated each calendar month by adding the current calendar month's combined emissions to those of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0105]

d. Reporting Requirements

The Permittee shall provide all records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

4. VOC

a. Limitation or Restriction

- i. The VOC emissions shall not exceed 0.004 lb/MMBtu when burning No. 2 fuel oil and 0.0055 lb/MMBtu when burning natural gas. [P117-0105]
- ii. The VOC emissions shall not exceed 0.320 lb/hr when burning No. 2 fuel oil and 0.470 lb/hr when burning natural gas. [P117-0105]
- iii. The combined VOC emissions for EU 1 and GEU 2 shall not exceed 21.43 tpy. [P117-0105]

b. Monitoring and Testing Requirements

Record keeping specified in Section III.A.4.c of this Title V permit shall be sufficient to meet other Monitoring and Testing Requirements pursuant to RCSA §22a-174-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall maintain monthly and annual VOC emissions for EU 1 and GEU 2 combined. The monthly VOC emissions shall be calculated using emission factors obtained from the latest stack test or if unavailable, manufacturer's emissions data and the fuel usage. Annual emissions shall be calculated each calendar month by adding the current calendar month's combined emissions to those of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [RCSA §22a-174-33(j)(1)(K)(ii)]

d. Reporting Requirements

The Permittee shall provide all records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

Section III: Applicable Requirements and Compliance Demonstration

5. CO

a. Limitation or Restriction

- i. The CO emissions shall not exceed 0.0363 lb/MMBtu when burning No. 2 fuel oil and 0.084 lb/MMBtu when burning natural gas. [P-117-0105]
- ii. The CO emissions shall not exceed 2.93 lb/hr when burning No. 2 fuel oil and 7.14 lb/hr when burning natural gas. [P117-0105]
- iii. The combined CO emissions for EU 1 and GEU 2 shall not exceed 130.05 tpy. [P117-0105]

b. Monitoring and Testing Requirements

Record keeping specified in Section III.A.5.c of this Title V permit shall be sufficient to meet other Monitoring and Testing Requirements pursuant to RCSA §22a-174-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall maintain monthly and annual actual CO emissions for EU 1 and GEU 2 combined. The monthly emissions shall be calculated using emission factors obtained from the latest stack test or if unavailable, manufacturer's emissions data and the fuel usage. Annual emissions shall be calculated each calendar month by adding the current calendar month's combined emissions to those of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [RCSA §22a-174-33(j)(1)(K)(ii)]

d. Reporting Requirements

The Permittee shall provide records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

6. Fuel

a. Limitation or Restriction

- i. The allowable fuel types are natural gas and No. 2 fuel oil. [P-117-0105]
- ii. The maximum sulfur content of the fuel shall not exceed 0.05% by weight, dry basis. [P117-0105]
- iii. The annual fuel consumption shall not exceed 5,129,043 gallons when burning No. 2 fuel oil and 561 MMft³ when burning natural gas. [P117-0105]
- iv. The combined annual fuel consumption for EU 1 and GEU 2 shall not exceed 12.3 MM gallons. [P117-0105]

b. Monitoring and Testing Requirements

- i. Fuel analysis for the sulfur content of liquid fuels shall be done according to the American Society for Testing and Materials methods D4294, or the most current methods approved by the American Society for Testing and Materials for the analysis of sulfur content of liquid fuels. [P-117-0105]

Section III: Applicable Requirements and Compliance Demonstration

- ii. When more than one fuel supply tank is to service EU 1 or when multiple sources are supplied by one fuel tank, the Permittee shall use a non-resettable totalizing fuel metering device to continuously monitor fuel feed to EU 1. [P-117-0105]

c. Record Keeping Requirements

- i. The Permittee shall keep monthly and annual records of fuel consumption for EU 1. Annual fuel consumption shall be based on any consecutive 12 month time period and shall be determined by adding (for each fuel) the current month's fuel usage to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0105]
- ii. The Permittee shall keep monthly and annual records of No. 2 fuel oil consumption for EU 1 and GEU 2 combined. Annual No. 2 fuel oil consumption shall be based on any consecutive 12 month time period and shall be determined by adding the current month's combined No. 2 fuel oil usage to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0105]
- iii. The Permittee shall maintain records of the hours of operation. Annual operating hours shall be based on any consecutive 12 month time period and shall be determined by adding the current month's operating hours to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0105]
- iv. The Permittee shall keep records of the fuel certification for each delivery of fuel from a bulk petroleum provider or a copy of the current contract with the fuel supplier supplying the fuel used by the equipment that includes the applicable sulfur content of the fuel as a condition of each shipment. The shipping receipt or contract shall include the date of delivery, the name of the fuel supplier, type of fuel delivered, the percentage of sulfur in such fuel, by weight, dry basis, and the method used to determine the sulfur content of such fuel. [P-117-0105]

d. Reporting Requirements

The Permittee shall provide records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

Section III: Applicable Requirements and Compliance Demonstration

B. GROUPED EMISSIONS UNIT 2 - Nebraska Boiler Nos. 9, 10, and 11 (EU 5, EU 6 & EU 8) [P-117-0326, P-117-0220 & P-117-0355]

1. NO_x

a. Limitation or Restriction

- i. For EU 5 & 6, the NO_x emissions from each boiler shall not exceed 0.120 lb/MMBtu of heat input when burning No. 2 fuel oil and 0.040 lb/MMBtu of heat input when burning natural gas. [P-117-0326 & P-117-0220]
- ii. For EU 8, the NO_x emissions shall not exceed 0.120 lb/MMBtu of heat input when burning No. 2 fuel oil and 0.040 lb/MMBtu of heat input when burning natural gas. [P-117-0355]
- iii. For EU 5 & 6, the NO_x emissions from each boiler shall not exceed 8.82 lb/hr when burning No. 2 fuel oil and 3.05 lb/hr when burning natural gas. [P-117-0326 & P-117-0220]
- iv. For EU 8, the NO_x emissions shall not exceed 9.78 lb/hr when burning No. 2 fuel oil and 3.42 lb/hr when burning natural gas. [P-117-0355]
- v. For EU 5 & 6, the NO_x emissions from each boiler shall not exceed 38.6 tpy when burning No. 2 fuel oil and 13.4 tpy when burning natural gas. [P-117-0326 & P-117-0220]
- vi. For EU 8, the NO_x emissions shall not exceed 42.9 tpy when burning No. 2 fuel oil and 15.0 tpy when burning natural gas. [P-117-0355]
- vii. The combined actual NO_x emissions for all fuel burning equipment at the premises constructed on or before April 8, 2009 shall not exceed 116.6 tpy on a calendar year basis. [P-117-0326, P-117-0220 & P-117-0355]

b. Monitoring and Testing Requirements

The Permittee shall conduct NO_x emission tests at least once every five years. Each such emissions test shall be conducted in accordance with RCSCA §22a-174-5.
[RCSCA §22a-174-22(k)(1), P-117-0326, P-117-0220 & P-117-0355]

c. Record Keeping Requirements

- i. The Permittee shall maintain a record of monthly and annual NO_x emissions for each unit in GEU 2 separately. The monthly emissions shall be calculated using emission factors obtained from the latest stack test or if unavailable, manufacturer's emissions data and the fuel usage. Annual emissions shall be calculated each calendar month by adding the current calendar month's emissions for each unit to those of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0326, P-117-0220 & P-117-0355]
- ii. The Permittee shall maintain a record of monthly and annual calendar actual NO_x emissions for all fuel burning equipment on the premises, constructed on or before April 8, 2009, combined. The

Section III: Applicable Requirements and Compliance Demonstration

monthly emissions shall be calculated using emission factors obtained from the latest stack test or if unavailable, manufacturer's emissions data and the fuel usage. Annual emissions shall be calculated on a calendar year basis by adding the current calendar month's combined emissions to those of the previous calendar months. The Permittee shall make these calculations within 30 days of the end of the previous month.

[P-117-0326, P-117-0220 & P-117-0355]

- iii. The Permittee shall keep records of all tune-ups, repairs, replacement of parts and other maintenance done on each unit in GEU 2. [RCSA §22a-174-22(1)(1)(D)]
- iv. The Permittee shall keep copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22. [RCSA §22a-174-22(1)(1)(E)]
- v. The Permittee shall keep procedures for calculating NO_x emission rates. [RCSA §22a-174-22(1)(1)(G)]
- vi. The Permittee shall maintain reports of all test data in accordance with RCSA §22a-174-4(d).
- vii. The Permittee shall keep records of the dates, times, and places of all emission testing done on this unit, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [RCSA §22a-174-4(d)(1); RCSA §22a-174-22(1)(1)(H)]

d. Reporting Requirements

The Permittee shall provide the records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

2. SO_x

a. Limitation or Restriction

- i. For EU 5 & 6, the SO_x emissions from each boiler shall not exceed 0.052 lb/MMBtu when burning No. 2 fuel oil and 0.0006 lb/MMBtu when burning natural gas. [P-117-0326 & P-117-0220]
- ii. For EU 8, the SO_x emissions shall not exceed 0.052 lb/MMBtu when burning No. 2 fuel oil and 0.0006 lb/MMBtu when burning natural gas. [P-117-0355]
- iii. For EU 5 & 6, the SO_x emissions from each boiler shall not exceed 3.83 lb/hr when burning No. 2 fuel oil and 0.046 lb/hr when burning natural gas. [P-117-0326 & P-117-0220]
- iv. For EU 8, the SO_x emissions shall not exceed 4.25 lb/hr when burning No. 2 fuel oil and 0.05 lb/hr when burning natural gas. [P-117-0355]
- v. For EU 5 & 6, the SO_x emissions from each boiler shall not exceed 16.8 tpy when burning No. 2 fuel oil and 0.2 tpy when burning natural gas. [P-117-0326 & P-117-0220]
- vi. For EU 8, the SO_x emissions shall not exceed 18.63 tpy when burning No. 2 fuel oil and 0.22 tpy when burning natural gas. [P-117-0355]

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- vii. The combined SO_x emissions for EU 1 and GEU 2 shall not exceed 44.43 tpy. [P-117-0326, P-117-0220 & P-117-0355]

b. Monitoring and Testing Requirements

- i. Compliance with the emission limits or fuel oil sulfur limits shall be determined by the Permittee based on a certification from the fuel supplier. [40 CFR §60.42c(h)(1)]
- ii. If the Permittee seeks to demonstrate compliance with 40 CFR Part 60 Subpart Dc SO₂ standards based on fuel supplier certification, the performance test shall consist of the certification from the fuel supplier. [40 CFR §60.44c(h)]

c. Record Keeping Requirements

- i. The Permittee shall maintain a record of monthly and annual SO_x emissions for each unit in GEU 2 separately. The monthly emissions shall be calculated using emission factors obtained from the latest version of AP-42 and the fuel usage. Annual emissions shall be calculated each calendar month by adding the current calendar month's emissions for each unit to those of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0326, P-117-0220 & P-117-0355]
- ii. The Permittee shall maintain a record of monthly and annual SO_x emissions for EU 1 and GEU 2 combined. The monthly emissions shall be calculated using emission factors obtained from the latest version of AP-42 and the fuel usage. Annual emissions shall be calculated each calendar month by adding the current calendar month's combined emissions to those of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0326, P-117-0220 & P-117-0355]

d. Reporting Requirements

- i. The Permittee shall submit to the Administrator the performance test data from the initial and any subsequent performance tests. [40 CFR §60.48c(b)]
- ii. The reporting period for the reports required under this section is each six-month period. All reports shall be submitted to the commissioner and/or the Administrator and shall be postmarked by the 30th day following the end of the reporting period. [40 CFR §60.48c(j)]
- iii. The Permittee shall submit reports to the commissioner and/or the Administrator. The fuel supplier certification reports shall include the following information: [40 CFR §60.48c(d)]
 - 1. The name of the oil supplier;
 - 2. A statement from the oil supplier that the oil complies with the specifications under the definition of No. 2 fuel oil in 40 CFR §60.41c; and
 - 3. The sulfur content of the oil.
- iv. The Permittee shall provide records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

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3. PM-10

a. Limitation or Restriction

- i. For EU 5 & 6, the PM-10 emissions from each boiler shall not exceed 0.0170 lb/MMBtu of heat input when burning No. 2 fuel oil and 0.0076 lb/MMBtu of heat input when burning natural gas. [P-117-0326 & P-117-0220]
- ii. For EU 8, the PM-10 emissions shall not exceed 0.0170 lb/MMBtu of heat input when burning No. 2 fuel oil and 0.005 lb/MMBtu of heat input when burning natural gas. [P-117-0355]
- iii. For EU 5 & 6, the PM-10 emissions from each boiler shall not exceed 1.23 lb/hr when burning No. 2 fuel oil and 0.58 lb/hr when burning natural gas. [P-117-0326 & P-117-0220]
- iv. For EU 8, the PM-10 emissions shall not exceed 1.36 lb/hr when burning No. 2 fuel oil and 0.43 lb/hr when burning natural gas. [P-117-0355]
- v. For EU 5 & 6, the PM-10 emissions from each boiler shall not exceed 5.37 tpy when burning No. 2 fuel oil and 2.54 tpy when burning natural gas. [P-117-0326 & P-117-0220]
- vi. For EU 8, the PM-10 emissions shall not exceed 5.95 tpy when burning No. 2 fuel oil and 1.87 tpy when burning natural gas. [P-117-0355]
- vii. The combined PM-10 emissions for EU 1 and GEU 2 shall not exceed 15.66 tpy. [P-117-0326; P-117-0220; & P-117-0355]

b. Monitoring and Testing Requirements

Record keeping specified in Section III.B.3.c of this Title V permit shall be sufficient to meet other Monitoring and Testing Requirements pursuant to RCSA §22a-174-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

- i. The Permittee shall maintain a record of monthly and annual PM-10 emissions for each unit in GEU 2 separately. The monthly emissions shall be calculated using emission factors obtained from the latest version of AP-42 and the fuel usage. Annual emissions shall be calculated each calendar month by adding the current calendar month's emissions for each unit to those of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0326, P-117-0220 & P-117-0355]
- ii. The Permittee shall maintain a record of monthly and annual PM-10 emissions for EU 1 and GEU 2 combined. The monthly emissions shall be calculated using emission factors obtained from the latest version of AP-42 and the fuel usage. Annual emissions shall be calculated each calendar month by adding the current calendar month's combined emissions to those of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0326, P-117-0220 & P-117-0355]
- iii. The Permittee shall keep records of the dates, times, and places of all emission testing done on this

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unit, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing.
[RCSA §22a-174-4(d)(1)]

d. Reporting Requirements

The Permittee shall provide records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

4. VOC

a. Limitation or Restriction

- i. For EU 5 & 6, the VOC emissions from each boiler shall not exceed 0.0040 lb/MMBtu when burning No. 2 fuel oil and 0.016 lb/MMBtu when burning natural gas. [P-117-0326 & P-117-0220]
- ii. For EU 8, the VOC emissions shall not exceed 0.004 lb/MMBtu when burning No. 2 fuel oil and 0.005 lb/MMBtu when burning natural gas. [P-117-0355]
- iii. For EU 5 & 6, the VOC emissions from each boiler shall not exceed 0.29 lb/hr when burning No. 2 fuel oil and 1.22 lb/hr when burning natural gas. [P-117-0326 & P-117-0220]
- iv. For EU 8, the VOC emissions shall not exceed 0.326 lb/hr when burning No. 2 fuel oil and 0.43 lb/hr when burning natural gas. [P-117-0355]
- v. For EU 5 & 6, the VOC emissions from each boiler shall not exceed 0.47 tpy when burning No. 2 fuel oil and 5.34 tpy when burning natural gas. [P-117-0326 & P-117-0220]
- vi. For EU 8, the VOC emissions shall not exceed 0.52 tpy when burning No. 2 fuel oil and 1.87 tpy when burning natural gas. [P-117-0355]
- vii. The combined VOC emissions for EU 1 and GEU 2 shall not exceed 21.43 tpy. [P-117-0326; P-117-0220; & P-117-0355]

b. Monitoring and Testing Requirements

Record keeping specified in Section III.B.4.c of this Title V permit shall be sufficient to meet other Monitoring and Testing Requirements pursuant to RCSA §22a-17-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

- i. The Permittee shall maintain a record of monthly and annual VOC emissions for each unit in GEU 2 separately. The monthly emissions shall be calculated using emission factors obtained from the latest version of AP-42 and the fuel usage. Annual emissions shall be calculated each calendar month by adding the current calendar month's emissions for each unit to those of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0326, P-117-0220 & P-117-0355]
- ii. The Permittee shall maintain a record of monthly and annual VOC emissions for EU 1 and GEU 2

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combined. The monthly emissions shall be calculated using emission factors obtained from the latest version of AP-42 and the fuel usage. Annual emissions shall be calculated each calendar month by adding the current calendar month's combined emissions to those of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0326, P-117-0220 & P-117-0355]

- iii. The Permittee shall keep records of the dates, times, and places of all emission testing done on this unit, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing.
[RCSA §22a-174-4(d)(1)]

d. Reporting Requirements

The Permittee shall provide records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

5. CO

a. Limitation or Restriction

- i. For EU 5 & 6, the CO emissions from each boiler shall not exceed 0.036 lb/MMBtu when burning No. 2 fuel oil and 0.073 lb/MMBtu when burning natural gas. [P-117-0326 & P-117-0220]
- ii. For EU 8, the CO emissions shall not exceed 0.036 lb/MMBtu when burning No. 2 fuel oil and 0.082 lb/MMBtu when burning natural gas. [P-117-0355]
- iii. For EU 5 & 6, the CO emissions from each boiler shall not exceed 2.66 lb/hr when burning No. 2 fuel oil and 5.56 lb/hr when burning natural gas. [P-117-0326 & P-117-0220]
- iv. For EU 8, the CO emissions shall not exceed 2.95 lb/hr when burning No. 2 fuel oil and 7.01 lb/hr when burning natural gas. [P-117-0355]
- v. For EU 5 & 6, the CO emissions from each boiler shall not exceed 11.66 tpy when burning No. 2 fuel oil and 24.4 tpy when burning natural gas. [P-117-0326 & P-117-0220]
- vi. For EU 8, the CO emissions shall not exceed 12.94 tpy when burning No. 2 fuel oil and 30.7 tpy when burning natural gas. [P-117-0355]
- vii. The combined CO emissions for EU 1 and GEU 2 shall not exceed 130.05 tpy.
[P-117-0326, P-117-0220 & P-117-0355]

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b. Monitoring and Testing Requirements

Record keeping specified in Section III.B.5.c of this Title V permit shall be sufficient to meet other Monitoring and Testing Requirements pursuant to RCSA §22a-17-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

- i. The Permittee shall maintain a record of monthly and annual CO emissions for each unit in GEU 2 separately. The monthly emissions shall be calculated using emission factors obtained from the latest version of AP-42 and the fuel usage. Annual emissions shall be calculated each calendar month by adding the current calendar month's emissions for each unit to those of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0326, P-117-0220 & P-117-0355]
- ii. The Permittee shall maintain a record of monthly and annual CO emissions for EU 1 and GEU 2 combined. The monthly emissions shall be calculated using emission factors obtained from the latest version of AP-42 and the fuel usage. Annual emissions shall be calculated each calendar month by adding the current calendar month's combined emissions to those of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0326, P-117-0220 & P-117-0355]
- iii. The Permittee shall keep records of the dates, times, and places of all emission testing done on this unit, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [RCSA §22a-174-4(d)(1)]

d. Reporting Requirements

The Permittee shall provide records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

6. Fuel

a. Limitation or Restriction

- i. The allowable fuel types are natural gas and No. 2 fuel oil. [P-117-0326; P-117-0220; & P-117-0355]
- ii. The maximum sulfur content of the fuel shall not exceed 0.05% by weight, dry basis for No. 2 fuel oil and 0.00025% by weight, dry basis for natural gas. [P-117-0326; P-117-0220; & P-117-0355]
- iii. For EU 5 & 6, the annual fuel consumption for each boiler shall not exceed 4,669,080 gallons when burning No. 2 fuel oil and 667.512 MMft³ when burning natural gas. [P-117-0326 & P-117-0220]
- iv. For EU 8, the annual fuel consumption shall not exceed 5,177,160 gallons when burning No. 2 fuel oil and 748.7172 MMft³ when burning natural gas. [P-117-0355]
- v. The combined annual fuel consumption for EU 1 and GEU 2 shall not exceed 12.3 MM gallons.

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[P-117-0326; P-117-0220; & P-117-0355]

b. Monitoring and Testing Requirements

- i. Fuel analysis for the sulfur content of liquid fuels shall be done according to the American Society for testing and Materials method D4294, or the most current methods approved by the American Society for Testing and Materials for the analysis of sulfur content of liquid fuels. [RCSA §22a-174-5(b)(1)]
- ii. When more than one fuel supply tank is to service the units on GEU 2 or when multiple sources are supplied by one fuel tank, the Permittee shall use a non-resettable totalizing fuel metering device to continuously monitor fuel feed to each unit in GEU 2. [P-117-0326; P-117-0220 & P-117-0355]

c. Record Keeping Requirements

- i. The Permittee shall keep monthly and annual records of fuel consumption for each unit in GEU 2 separately. Annual fuel consumption shall be based on any consecutive 12 month time period and shall be determined by adding (for each fuel) the current month's fuel usage for each unit to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [40 CFR §60.48c(g); P-117-0326, P-117-0220 & P-117-0355]
- ii. The Permittee shall keep monthly and annual records of fuel consumption for EU 1 and GEU 2 combined. Annual fuel consumption shall be based on any consecutive 12 month time period and shall be determined by adding (for each fuel) the current month's combined fuel usage to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0326, P-117-0220 & P-117-0355]
- iii. The Permittee shall keep records of the fuel certification for each delivery of fuel from a bulk petroleum provider or a copy of the current contract with the fuel supplier supplying the fuel used by the equipment that includes the applicable sulfur content of the fuel as a condition of each shipment. The shipping receipt or contract shall include the date of delivery, the name of the fuel supplier, type of fuel delivered, the percentage of sulfur in such fuel, by weight, dry basis, and the method used to determine the sulfur content of such fuel. [40 CFR §60.48c(f)(1); P-117-0326, P-117-0220 & P-117-0355]

d. Reporting Requirements

The Permittee shall provide records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

7. Opacity

a. Limitation or Restriction

The Permittee shall not cause any unit in GEU 2 to exceed 10 percent opacity (6-minute block average), as measured by 40 CFR Part 60, Appendix A, Reference Method 9. [P-117-0326, P-117-0220 & P-117-0355]

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b. Monitoring and Testing Requirements

The Permittee shall conduct subsequent performance tests as requested by the Administrator/ commissioner, to determine compliance with the opacity standards using the procedures and reference methods specified in 40 CFR §60.45c(a). [40 CFR §60.45c(a)]

c. Record Keeping Requirements

- i. The Permittee shall maintain records of opacity tests required in Section III.B.7.b of this Title V permit. Such records shall include the dates, times, and places of all visible emissions observations, persons performing the observations, test methods used, the operating conditions at the time of the observation, and the results of such observations. [RCSA §22a-174-33(j)(1)(K)]
- ii. The Permittee shall keep records of the dates, times, and places of all emission testing done on this unit, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [RCSA §22a-174-4(d)(1)]

d. Reporting Requirements

- i. The Permittee shall submit excess emission reports for any excess emissions from the emissions units that occur during the reporting period in accordance with 40 CFR §60.48c(c). [40 CFR §60.48c(c)]
- ii. The Permittee shall provide records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

C. EMISSIONS UNIT 7 - Binks 2001 HVLP Spray Coating Unit

1. VOC Containing Coatings

a. Limitation or Restriction

The Permittee shall limit purchase for the premises of VOC containing coatings, including diluents and cleanup solvents but excluding water, to equal to or less than 1,500 gallons in any calendar year. [RCSA §22a-174-3c(b)(10)]

b. Monitoring and Testing Requirements

Record keeping specified in Section III.C.1.c of this Title V permit shall be sufficient to meet other Monitoring and Testing Requirements pursuant to RCSA §22a-17-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

- i. The Permittee shall maintain purchase records to demonstrate compliance with applicable coating and solvent limitations. [RCSA §22a-174-3c(c)(1)]

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- ii. The Permittee shall make purchase records maintained available to the commissioner to inspect and copy upon request. [RCSA §22a-174-3c(c)(2)]

d. Reporting Requirements

The Permittee shall provide records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

D. GROUPED EMISSIONS UNIT 3 – Solar Turbines and Duct Burner with SCR, Low NO_x Burner, and CO oxidation Catalyst (EU 9 & EU 10) [P-117-0369 & P-117-0370]

1. NO_x

a. Limitation or Restriction

- i. The NO_x emissions of each turbine shall not exceed 0.67 lb/hr when burning natural gas and 3.23 lb/hr when burning No. 2 fuel oil. [P-117-0369 & P-117-0370]
- ii. The NO_x emissions of each turbine with duct burner shall not exceed 1.16 lb/hr when both are burning natural gas and 5.70 lb/hr when the turbine is burning No. 2 fuel oil and the duct burner is burning natural gas. [P-117-0369 & P-117-0370]
- iii. The NO_x emissions for all operating scenarios shall not exceed 2.0 ppmvd@15% O₂ when burning natural gas and 9.6 ppmvd@15% O₂ when burning No. 2 fuel oil. [P-117-0369 & P-117-0370]
- iv. The total annual NO_x emissions (including startup and shutdown periods) from GEU 3 shall not exceed 15.1 tpy. [P-117-0369 & P-117-0370]
- v. The combined actual NO_x emissions for all fuel burning equipment at the premises, constructed on or before April 8, 2009 shall not exceed 116.6 tpy on a calendar year basis. [P-117-0369 & P-117-0370]

b. Monitoring and Testing Requirements

- i. The Permittee shall calibrate, maintain, operate, and certify a CEM for NO_x. [40 CFR §60.4340(b)(1); RCSA §22a-174-22(k)(3)]
- ii. Each NO_x diluent CEMS shall be installed and certified according to Performance Specification 2 (PS 2) in appendix B of 40 CFR Part 60, except the 7-day calibration drift is based on unit operating days, not calendar days. [40 CFR §60.4345(a)]
- iii. CEM shall be operated at all times during periods of startup and shutdown and shall be used to determine NO_x emissions. All pollutants during these periods shall be counted towards the annual emissions limits. [P-117-0369 & P-117-0370]
- iv. As specified in 40 CFR §60.13(e)(2), during each full unit operating hour, both the NO_x monitor and the diluent monitor must complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each 15-minute quadrant of the hour, to validate the hour. For partial unit

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operating hours, at least one valid data point must be obtained with each monitor for each quadrant of the hour in which the unit operates. For unit operating hours in which required quality assurance and maintenance activities are performed on the CEMS, a minimum of two valid data points (one in each of two quadrants) are required for each monitor to validate the NO_x emission rate for the hour. [40 CFR §60.4345(b)]

- v. The Permittee shall use data recorded by the CEM and any other records and reports to determine compliance with NO_x emissions. [RCSA §22a-174-22(1)(7)]
- vi. The Permittee shall identify excess NO_x emissions from the CEMs in accordance with 40 CFR §60.4350.

c. Record Keeping Requirements

- i. The Permittee shall maintain a record of monthly and annual NO_x emissions for both units in GEU 3 combined. The monthly emissions shall be calculated using CEM data and the fuel usage. Annual emissions shall be calculated each calendar month by adding the current calendar month's combined emissions to those of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0369 & P-117-0370]
- ii. The Permittee shall maintain a record of monthly and annual calendar actual NO_x emissions for all fuel burning equipment on the premises, constructed on or before April 8, 2009, combined. The monthly emissions shall be calculated using emission factors obtained from the latest stack test or if unavailable, manufacturer's emissions data and the fuel usage. Annual emissions shall be calculated on a calendar year basis by adding the current calendar month's combined emissions to those of the previous calendar months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0369 & P-117-0370]
- iii. The Permittee shall keep monthly and annual records of fuel use, continuous emissions monitoring, and operating hours. [RCSA §22a-174-22(1)(1)(C)]
- iv. The Permittee shall keep records of all tune-ups, repairs, replacement of parts and other maintenance done on the unit. [RCSA §22a-174-22(1)(1)(D)]
- v. The Permittee shall keep copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22. [RCSA §22a-174-22(1)(1)(E)]
- vi. The Permittee shall keep all charts, electronically stored data, and printed records produced by the NO_x continuous emissions monitor. [RCSA §22a-174-22(1)(1)(F)]
- vii. The Permittee shall keep procedures for calculating NO_x emission rates. [RCSA §22a-174-22(1)(1)(G)]
- viii. The Permittee shall keep records of the dates, times, and places of all emission testing done on this unit to comply with RCSA §22a-174-22, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [RCSA §22a-174-22(1)(1)(H)]
- ix. The Permittee shall maintain reports of all monitoring and test data in accordance with RCSA

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§22a-174-4(d)(1). [RCSA §22a-174-4(d)(1)]

- x. The Permittee shall keep records of all exceedances of the NO_x emission limit. Such records shall include: [P-117-0369 & 117-0370]
 - 1. the date and time of the exceedance,
 - 2. a detailed description of the exceedance, and
 - 3. the duration of the exceedance.

d. Reporting Requirements

- i. An excess emissions is any unit operating period in which the 30-day rolling average NO_x emission rate exceeds the applicable emission limit in 40 CFR §60.4320. For the purposes of this section, a “30-day rolling average NO_x emission rate” is the arithmetic average of all hourly NO_x emission data in ppm or ng/J (lb/MWh) measured by the continuous emission monitoring equipment for a given day and the 29 unit operating days immediately preceding that unit operating day. A new 30-day average is calculated each unit operating day as the average of all hourly NO_x emissions rates for the preceding 30 unit operating days if a valid NO_x emission rate is obtained for at least 75 percent of all operating hours. [40 CFR §60.4380(b)(1)]
- ii. The Permittee shall provide all records to the commissioner within 30 days of receipt of a written request from the commissioner. [RCSA §22a-174-4(d)(1)]
- iii. All reports required shall be postmarked by the 30th day following the end of each six month period. [40 CFR §60.4395]

2. SO_x

a. Limitation or Restriction

- i. The SO_x emissions of each turbine shall not exceed 0.31 lb/hr when burning natural gas and 0.13 lb/hr when burning No. 2 fuel oil. [P-117-0369 & P-117-0370]
- ii. The SO_x emissions of each turbine with duct burner shall not exceed 0.35 lb/hr when both are burning natural gas and 0.17 lb/hr when the turbine is burning No. 2 fuel oil and the duct burner is burning natural gas. [P-117-0369 & P-117-0370]
- iii. The total annual SO_x emissions (including startup and shutdown periods) from GEU 3 shall not exceed 3.1 tpy. [P-117-0369 & P-117-0370]

b. Monitoring and Testing Requirements

Record keeping specified in Section III.D.2.c of this Title V permit shall be sufficient to meet other Monitoring and Testing requirements pursuant to RCSA §22a-74-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall calculate and record the monthly and consecutive 12 month SO₂ emissions for both

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units in GEU 3 combined. The consecutive 12 month emissions shall be determined by adding the current month's combined emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0369 & 117-0370]

d. Reporting Requirements

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 date specified by the commissioner whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

3. PM-10/PM-2.5

a. Limitation or Restriction

- i. The PM-10/PM-2.5 emissions of each turbine shall not exceed 1.91 lb/hr when burning natural gas and 3.24 lb/hr when burning No. 2 fuel oil. [P-117-0369 & P-117-0370]
- ii. The PM-10/PM-2.5 emissions of each turbine shall not exceed 0.02 lb/MMBtu when burning natural gas and 0.04 lb/MMBtu when burning No. 2 fuel oil. [P-117-0369 & P-117-0370]
- iii. The PM-10/PM-2.5 emissions of each turbine with duct burner shall not exceed 2.41 lb/hr when both are burning natural gas and 3.74 lb/hr when the turbine is burning No. 2 fuel oil and the duct burner is burning natural gas. [P-117-0369 & P-117-0370]
- iv. The PM-10/PM-2.5 emissions of each turbine with duct burner shall not exceed 0.02 lb/MMBtu when both are burning natural gas and 0.03 lb/MMBtu when the turbine is burning No. 2 fuel oil and the duct burner is burning natural gas. [P-117-0369 & P-117-0370]
- v. The total annual PM-10/PM-2.5 emissions (including startup and shutdown periods) from GEU 3 shall not exceed 22.6 tpy. [P-117-0369 & P-117-0370]

b. Monitoring and Testing Requirements

Record keeping specified in Section III.D.3.c of this Title V permit shall be sufficient to meet other Monitoring and Testing requirements pursuant to RCSA §22a-74-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall calculate and record the monthly and consecutive 12 month PM-10/PM-2.5 emissions for both units in GEU 3 combined. The consecutive 12 month emissions shall be determined by adding the current month's combined emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0369 & 117-0370]

d. Reporting Requirements

The Permittee shall provide all records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

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4. VOC

a. Limitation or Restriction

- i. The VOC emissions of each turbine shall not exceed 0.58 lb/hr when burning natural gas and 2.82 lb/hr when burning No. 2 fuel oil. [P-117-0369 & P-117-0370]
- ii. The VOC emissions of each turbine with duct burner shall not exceed 0.94 lb/hr when both are burning natural gas and 3.18 lb/hr when the turbine is burning No. 2 fuel oil and the duct burner is burning natural gas. [P-117-0369 & P-117-0370]
- iii. The total annual VOC emissions (including startup and shutdown periods) from GEU 3 shall not exceed 10.7 tpy. [P-117-0369 & P-117-0370]

b. Monitoring and Testing Requirements

Record keeping specified in Section III.D.4.c of this Title V permit shall be sufficient to meet other Monitoring and Testing requirements pursuant to RCSA §22a-74-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall calculate and record the monthly and consecutive 12 month VOC emissions for both units in GEU 3 combined. The consecutive 12 month emissions shall be determined by adding the current month's combined emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0369 & 117-0370]

d. Reporting Requirements

The Permittee shall provide all records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

5. CO

a. Limitation or Restriction

- i. The CO emissions of each turbine shall not exceed 1.02 lb/hr when burning natural gas and 0.98 lb/hr when burning No. 2 fuel oil. [P-117-0369 & P-117-0370]
- ii. The CO emissions of each turbine with duct burner shall not exceed 1.77 lb/hr when both are burning natural gas and 1.73 lb/hr when the turbine is burning No. 2 fuel oil and the duct burner is burning natural gas. [P-117-0369 & P-117-0370]
- iii. The CO emissions for all operating scenarios shall not exceed 5.0 ppmvd@15% O₂ when burning natural gas or No. 2 fuel oil. [P-117-0369 & P-117-0370]
- iv. The total annual CO emissions (including startup and shutdown periods) from GEU 3 shall not

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exceed 15.5 tpy. [P-117-0369 & P-117-0370]

b. Monitoring and Testing Requirements

- i. The Permittee shall conduct stack testing for CO within five years from the date of the previous stack test to demonstrate compliance with the limits given in Section III.E.5 of this Title V permit. DEEP retains the right to require stack testing of any pollutant at any time to demonstrate compliance. [P-117-0369 & 117-0370]
- ii. Record keeping specified in Section III.D.5.c of this Title V permit shall be sufficient to meet other Monitoring and Testing requirements pursuant to RCSA §22a-74-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

- i. The CO emissions of each turbine during startup shall be calculated using the emission factor of 11.3 lb/event when burning natural gas and 8.6 lb/event when burning No. 2 fuel oil. [P-117-0369 & 117-0370]
- ii. The CO emissions of each turbine during shutdown shall be calculated using the emission factor of 11.8 lb/event when burning natural gas and 7.9 lb/event when burning No. 2 fuel oil. [P-117-0369 & 117-0370]
- iii. The total annual CO emissions shall include the startup and shutdown period. [P-117-0369 & 117-0370]
- iv. The Permittee shall calculate and record the monthly and consecutive 12 month CO emissions for both units in GEU 3 combined. The consecutive 12 month emissions shall be determined by adding the current month's combined emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-117-0369 & 117-0370]
- v. The Permittee shall keep records of each stack test performed for CO. [P-117-0369 & 117-0370]

d. Reporting Requirements

The Permittee shall provide all records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

6. Ammonia

a. Limitation or Restriction

- i. The Ammonia emissions for all operating scenarios shall not exceed 5.0 ppmvd@15% O₂ when burning natural gas or No. 2 fuel oil. [P-117-0369 & P-117-0370]
- ii. The Permittee shall start the ammonia injection as soon as minimum catalyst temperature is reached. [P-117-0369 & 117-0370]

b. Monitoring and Testing Requirements

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- i. The Permittee shall conduct stack testing for ammonia within five years from the date of the previous stack test to demonstrate compliance with the limits given in Section III.D.6 of this Title V permit. DEEP retains the right to require stack testing of any pollutant at any time to demonstrate compliance. [P-117-0369 & 117-0370]
- ii. The Permittee shall continuously monitor and record the SCR aqueous ammonia injection rate (lb/hr), operating temperature (°F) and pressure drop (inches of water) across the catalyst bed. The Permittee shall maintain these parameters within the ranges recommended by the manufacturer to achieve compliance with the emission limits in this Title V permit. [P-117-0369 & 117-0370]
- iii. The Permittee shall inspect the SCR once per year, at a minimum, or more frequently if recommended by manufacturer. [P-117-0369 & 117-0370]

c. Record Keeping Requirements

- i. The Permittee shall keep records of each delivery of aqueous ammonia. The records shall include the date of delivery, the name of the supplier, the quantity of aqueous ammonia delivered, and the percentage of ammonia in solution, by weight. [P-117-0369 & 117-0370]
- ii. The Permittee shall keep records of each stack test performed for ammonia. [P-117-0369 & 117-0370]

d. Reporting Requirements

The Permittee shall provide all records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

7. Fuel

a. Limitation or Restriction

- i. The allowable fuel types are natural gas and No. 2 fuel oil for the turbines and natural gas for the duct burners. [P-117-0369 & P-117-0370]
- ii. The maximum sulfur content of the No. 2 fuel oil shall not exceed 0.0015% by weight, dry basis. [P-117-0369 & P-117-0370]
- iii. The combined annual fuel consumption for GEU 3 shall not exceed 1,300,094 gallons of No.2 fuel oil and 1,563.2 MMft³ of natural gas for the turbines and 1,150.8 MMft³ for the duct burners. [P-117-0369 & P-117-0370]
- iv. The Permittee shall not burn in any of the turbine any fuel which contains total potential sulfur emissions in excess of 0.06 lb SO₂ /MMBtu heat input. This requirement shall be met when burning natural gas or No. 2 fuel oil. [40 CFR §60.4330(a)(2)]

b. Monitoring and Testing Requirements

- i. The Permittee shall use individual non-resettable totalizing fuel metering devices to continuously monitor the natural gas and No. 2 fuel oil feed to each turbine and the natural gas feed to each duct

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burner. [P-117-0369 & 117-0370]

- ii. Each fuel flow meter shall be installed, calibrated, maintained, and operated according to the manufacturer's instructions. [40 CFR §60.4345(c)]
- iii. The Permittee shall use one of the following sources of information to demonstrate the sulfur content of the fuel combusted in the turbine: [40 CFR §60.4365; P-117-0369 & 117-0370]
 1. The fuel quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the fuel, specifying that the maximum total sulfur content for oil use is 0.05 weight percent (500 ppmw) or less, the total sulfur content for natural gas use is 20 grains of sulfur or less per 100 standard cubic feet, has potential sulfur emissions of less than less than 26 ng SO₂/J (0.060 lb SO₂/MMBtu) heat input; or
 2. The Permittee shall conduct the initial and subsequent performance tests for sulfur in accordance with 40 CFR § 60.4415. [40 CFR §60.4415]

c. Record Keeping Requirements

- i. The Permittee shall keep records of monthly and consecutive 12 month fuel consumption for both turbines, separately and combined and both duct burners, separately and combined. The consecutive 12 month fuel consumption shall be determined by adding (for each fuel) the current month's combined fuel consumption to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. Fuel consumption records shall be kept independently for each turbine and duct burner. [P-117-0369 & 117-0370]
- ii. The Permittee shall keep records of the fuel certification for each delivery of fuel oil from a bulk petroleum provider or a copy of the current contract with the fuel supplier supplying the fuel used by the equipment that includes the applicable sulfur content of the fuel as a condition of each shipment. The shipping receipt or contract shall include the date of delivery, the name of the fuel supplier, type of fuel delivered, the percentage of sulfur in such fuel, by weight, dry basis, and the method used to determine the sulfur content of such fuel. [P-117-0369 & 117-0370]

d. Reporting Requirements

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 date specified by the commissioner whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

8. Opacity

a. Limitation or Restriction

The Permittee shall not cause any unit in GEU 3 to exceed 10 percent opacity (6-minute block average), as measured by 40 CFR Part 60, Appendix A, Reference Method 9. [P-117-0369 & 117-0370]

b. Monitoring and Testing Requirements

The Permittee shall conduct subsequent performance tests as requested by the Administrator/ commissioner, to determine compliance with the opacity standards. [RCSA §22a-174-33(j)(1)(K)]

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c. Record Keeping Requirements

- i. The Permittee shall maintain records of opacity tests. Such records shall include the dates, times, and places of all visible emissions observations, persons performing the observations, test methods used, the operating conditions at the time of the observation, and the results of such observations. [RCSA §22a-174-33(j)(1)(K)]
- ii. The Permittee shall keep records of the dates, times, and places of all emission testing done on this unit, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [RCSA §22a-174-4(d)(1); RCSA §22a-174-22(1)(1)(H)]

d. Reporting Requirements

The Permittee shall provide records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

9. Startup, Shutdown & Malfunction

a. Limitation or Restriction

- i. In the event that a malfunction causing either an emission exceedance or a parameter monitored out of recommended range is not corrected within three hours, the Permittee shall immediately institute shutdown of the applicable turbine/duct burner. [P-117-0369 & 117-0370]
- ii. The Permittee shall operate and maintain the stationary combustion turbines, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction. [40 CFR §60.4333(a); P-117-0369 & 117-0370]
- iii. The Permittee shall not bypass the oxidation catalyst during startup or shutdown. The duration of startup shall not exceed 60 minutes for a hot start or a warm start, nor 240 minutes for a cold start. A hot start shall be defined as startup when the turbine has been down for less than eight hours. A warm start shall be defined as startup when the turbine has been down for more than eight hours. A cold start shall be defined as startup when the turbine has been down for more than 24 hours. The duration of shutdown shall not exceed 30 minutes. [P-117-0369 & 117-0370]
- iv. CEM shall be operating at all times during periods of startup and shutdown and shall be used to determine NOx emissions. [P-117-0369 & 117-0370]

b. Monitoring and Testing Requirements

The Permittee shall minimize emissions during periods of startup and shutdown by following work practices and time constraints. [P-117-0369 & 117-0370]

c. Record Keeping Requirements

The Permittee shall keep records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the stationary gas turbine, duct burner and any malfunction of the air pollution control

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equipment or any periods during which a continuous monitoring system or monitoring device is inoperative. [P-117-0369 & 117-0370]

d. Reporting Requirements

- i. The Permittee shall notify the commissioner in writing of any malfunction of the stationary gas turbine/duct burner, the air pollution control equipment or the continuous monitoring system. The Permittee shall submit such notification within ten days of the malfunction. The notification shall include the following: [P-117-0369 & 117-0370]
 1. a description of the malfunction and a description of the circumstances surrounding the cause or likely cause of such malfunction and,
 2. a description of all corrective actions and preventive measures taken and/or planned with respect to such malfunction and the dates of such actions and measures.
- ii. The Permittee shall submit a report of exceedances to the commissioner within 30 days of the end of the previous month. Such report shall include the following: [P-117-0369 & 117-0370]
 1. copies of the exceedance records for the month,
 2. an explanation of the likely causes of the exceedances, and
 3. an explanation of remedial actions taken to correct the exceedance.

10. Control Equipment Requirements

a. Limitation or Restriction

- i. The Permittee shall properly operate the control equipment at all times that this turbine is in operation and emitting air pollutants. [P-117-0369 & 117-0370]
- ii. The Permittee shall continuously monitor and continuously record the oxidation catalyst inlet temperature (°F). [P-117-0369 & 117-0370]

b. Monitoring and Testing Requirements

- i. The Permittee shall inspect the SCR and oxidation catalysts once per year, at a minimum, or more frequently if recommended by manufacturer. [P-117-0369 & 117-0370]
- ii. The Permittee shall monitor and maintain the oxidation catalyst inlet temperature within the range recommended by the manufacturer to achieve compliance with the emissions limits in this Title V permit. [P-117-0369 & 117-0370]

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c. Record Keeping Requirements

- i. The Permittee shall keep records of the inspection and maintenance of the SCR and oxidation catalysts. The records shall include the name of the inspector, the date, the results or actions and the date the catalyst is replaced. [P-117-0369 & 117-0370]
- ii. The Permittee shall keep continuous records of the oxidation catalyst inlet temperature (°F). [P-117-0369 & 117-0370]

d. Reporting Requirements

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 date specified by the commissioner whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

11. General Monitoring Requirements

a. Limitation or Restriction

- i. Each pressure or temperature measurement device shall be installed, calibrated, maintained, and operated according to manufacturer's instructions. [40 CFR §60.4345(d)]
- ii. For operating periods during which multiple emissions standards apply under 40 CFR 60 Subpart KKKK, the applicable standard is the average of the applicable standards during each hour. For hours with multiple emissions standards, the applicable limit for that hour is determined based on the condition that corresponded to the highest emissions standard. [40 CFR §60.4380(b)(3)]

b. Monitoring and Testing Requirements

- i. Short term emissions limits do not apply during periods of startup and shutdown, unless otherwise noted. [P-117-0369 & 117-0370]
- ii. A period of monitor downtime is any unit operating hour in which the data for any of the following parameters are either missing or invalid: NO_x concentration, CO₂ or O₂ concentration, fuel flow rate, steam flow rate, steam temperature, steam pressure, or megawatts. The steam flow rate, steam temperature, and steam pressure are only required if you will use this information for compliance purposes. [40 CFR §60.4380(b)(2)]

c. Record Keeping Requirements

- i. The Permittee shall keep records of all performance evaluations, calibration checks and adjustments on CEM; a record of maintenance procedures; and all data necessary to complete the quarterly reports required by the commissioner. [RCSA §22a-174-22(l)(1)(I)]
- ii. The Permittee shall develop and keep on-site a quality assurance (QA) plan for all of the continuous monitoring equipment described in Sections V.E.1.i.d, f, & g of this Title V permit. For the CEMS and fuel flow meters, the Permittee may, with state approval, satisfy the requirements of this paragraph by implementing the QA program and plan described in section 1 of appendix B of 40 CFR Part 75. [40 CFR §60.4345(e)]

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d. Reporting Requirements

- i. The Permittee shall notify the commissioner in writing at least 30 days prior to conducting any performance or quality assurance testing of any such monitor. [RCSA §22a-174-22(k)(3)]
- ii. Within 60 days of the completion of certification tests conducted on the CEM, the Permittee shall submit a written report of the results of such testing to the commissioner. [RCSA §22a-174-22(1)(3)]
- iii. The Permittee shall submit reports of excess emissions and monitor downtime, in accordance with 40 CFR §60.7(c). Excess emissions must be reported for all periods of unit operation, including startup, shutdown, and malfunction. [40 CFR §60.4375(a)]

12. General Testing Requirements

a. Limitation or Restriction

Recurrent stack testing for CO and ammonia shall be conducted within five years from the date of each previous stack test to demonstrate compliance with their respective limits. [P-117-0369 & 117-0370]

b. Monitoring and Testing Requirements

Stack test results shall be reported as follows: all pollutants in units of lb/hr, PM-10/PM-2.5 in units of lb/MMBtu, NO_x and CO in units of ppmvd at 15% O₂, ammonia in units of µg/m³ and ppmvd at 15% O₂. [P-117-0369 & 117-0370]

c. Record Keeping Requirements

The Permittee shall keep records of the dates, times, and places of all emission testing done on this unit, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [RCSA §22a-174-4(d)(1)]

d. Reporting Requirements

For testing being conducted pursuant to 40 CFR Part 60, the test report is to be submitted within 180 days after the initial startup date or within 60 days after reaching maximum production rate. [40 CFR §60.8(a)]

E. GROUPED EMISSIONS UNIT 5 – Emergency Generators (EU 16, EU 17, EU 19, EU 20, EU 23, EU 27, EU 46)

1. Hours of Operation

a. Limitation or Restriction

- i. Operation of each unit in GEU 5 shall not exceed 300 hours during any 12 month rolling aggregate. [RCSA §22a-174-3b(e)]
- ii. The Permittee shall not cause or allow the unit to operate except during periods of testing and

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scheduled maintenance or during an emergency [RCSA §22a-174-3b(e)(2)]

b. Monitoring and Testing Requirements

The Permittee shall properly maintain equipment and operate such unit in accordance with RCSA §22a-174-3b(e). [RCSA §22a-174-3b(e)(1)]

c. Record Keeping Requirements

- i. The Permittee shall make and maintain records of the hours of operation for each month and each 12 month rolling aggregate. [RCSA §22a-174-3b(e)(4)]
- ii. The Permittee shall maintain records of the information necessary for the commissioner to determine compliance with the requirements of RCSA §22a-174-3b(e)(2). [RCSA §22a-174-3b(e)(3)]
- iii. The Permittee shall make all records kept to determine compliance with RCSA §22a-174-3b(e) available to the commissioner to inspect and copy upon request. [RCSA §22a-174-3b(e)(3)(A)]
- iv. The Permittee shall maintain all records for five years from the date such record is created. [RCSA §22a-174-3b(e)(3)(B)]

d. Reporting Requirements

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 date specified by the commissioner whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

2. Fuel

a. Limitation or Restriction

Any nongaseous fuel consumed by such engine shall not exceed the sulfur content of motor vehicle diesel fuel where "motor vehicle diesel fuel" is defined as in RCSA §22a-174-42. [RCSA §22a-174-3b(e)]

b. Monitoring and Testing Requirements

The Permittee shall properly maintain equipment and operate such unit in accordance with RCSA §22a-174-3b(e). [RCSA §22a-174-3b(e)(1)]

c. Record Keeping Requirements

- i. The Permittee shall maintain records of the information necessary for the commissioner to determine compliance with the requirements of RCSA §22a-174-3b(e)(2). [RCSA §22a-174-3b(e)(3)]
- ii. The Permittee shall make all records kept to determine compliance with RCSA §22a-174-3b(e) available to the commissioner to inspect and copy upon request. [RCSA §22a-174-3b(e)(3)(A)]
- iii. The Permittee shall maintain all records for five years from the date such record is created.

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[RCSA §22a-174-3b(e)(3)(B)]

d. Reporting Requirements

The Permittee shall make all records kept to determine compliance with RCSA §22a-174-3b(e) available to the commissioner to inspect and copy upon request. [RCSA §22a-174-3b(e)(3)(A)]

F. 112(r) ACCIDENTAL RELEASE REQUIREMENTS

Should any of the units, as defined in 40 CFR §68.3, become subject to the accidental release prevention regulations in part 68, then the Permittee shall submit a risk management plan (RMP) pursuant to 40 CFR §68.12 by the date specified in 40 CFR §68.10 and shall certify compliance with the requirements of part 68 as part of the annual compliance certification as required by 40 CFR §70.6(c)(5).

G. STRATOSPHERIC OZONE DEPLETING SUBSTANCES (40 CFR SUBPART 82) REQUIREMENTS

The Permittee shall comply with the standards for recycling and emissions reduction of products using ozone depleting substances pursuant to 40 CFR Part 82, Subpart F at the premises.

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H. PREMISES-WIDE GENERAL REQUIREMENTS

Premises-Wide General Requirements

- 1. Permit by Rule Requirements:** The Permittee shall comply with all applicable requirements in RCSA §22a-174-3b for the emissions units that the Permittee elects to operate under these permit exemptions.
- 2. Permit by Rule Requirements:** The Permittee shall comply with all applicable requirements in RCSA §22a-174-3c for the emissions units that the Permittee elects to operate under these permit exemptions.
- 3. Annual Emission Statements:** The Permittee shall submit annual emission statements requested by the commissioner as set forth in RCSA §22a-174-4(d)(1).
- 4. Emissions Testing:** The Permittee shall comply with the procedures for sampling, emission testing, sample analysis, and reporting as set forth in RCSA §22a-174-5.
- 5. Emergency Episode Procedures:** The Permittee shall comply with the procedures for emergency episodes as set forth in RCSA §22a-174-6.
- 6. 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.
- 7. Prohibition of Air Pollution:** The Permittee shall comply with the requirement to prevent air pollution as set forth in RCSA §22a-174-9.
- 8. Public Availability of Information:** The public availability of information shall apply, as set forth in RCSA §22a-174-10.
- 9. Prohibition Against Concealment/Circumvention:** The Permittee shall comply with the prohibition against concealment or circumvention as set forth in RCSA §22a-174-11.
- 10. Violations and Enforcement:** The Permittee shall not violate or cause the violation of any applicable regulation as set forth in RCSA §22a-174-12.
- 11. Variances:** 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.
- 12. No Defense to Nuisance Claim:** The Permittee shall comply with the regulations as set forth in RCSA §22a-174-14.
- 13. Severability:** The Permittee shall comply with the severability requirements as set forth in RCSA §22a-174-15.
- 14. Responsibility to Comply:** The Permittee shall be responsible to comply with the applicable regulations as set forth in RCSA §22a-174-16.
- 15. 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.

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- 16. Sulfur Compound Emissions:** The Permittee shall comply with the requirements for control of sulfur compound emissions as set forth in RCSA §22a-174-19.
- 17. 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. **(STATE-ONLY REQUIREMENT)**
- 18. Organic Compound Emissions:** The Permittee shall comply with the requirements for control of organic compound emissions as set forth in RCSA §22a-174-20.
- 19. Carbon Monoxide Emissions:** The Permittee shall comply with the requirements for control of carbon monoxide emissions as set forth in RCSA §22a-174-21.
- 20. Nitrogen Oxide Emissions:** The Permittee shall comply with the requirements for control of nitrogen oxide emissions as set forth in RCSA §22a-174-22.
- 21. Emission Fees:** The Permittee shall pay an emission fee as set forth in RCSA §22a-174-26(d).

Section IV: Compliance Assurance Monitoring (CAM)

A. Process/ Emissions Unit: EU 8 (81.54 MMBtu/hr (oil)/85.47 MMBtu/hr (gas) Nebraska Boiler No. 11 Model NOS-2A-81, S/N 0-4432)

A.1. Primary Pollutant: NOx

A.2. Control Technology: Flue Gas Recirculation (FGR)

A.3. Monitoring Requirements: Monitor windbox & exhaust O₂% controlling the flue gas recirculation percent.

A.4. Applicable Regulation/Permit: P-117-0355

A.5. Applicable Requirements: Concentration of NOx shall not exceed 0.12 MMBtu/hr when burning No. 2 fuel oil

Background:

The facility operates three permitted Nebraska Boilers all grouped together (GEU 2). One of the boilers, EU 8, has a maximum heat input of 85.47 MMBtu/hr for natural gas and 81.54 MMBtu/hr for No. 2 fuel oil while the other two boilers, EUs 5 and 6, each have a maximum heat input of 76.2 MMBtu/hr for natural gas and 73.5 MMBtu/hr for No. 2 fuel oil. EU 8 meets the requirements for 40 CFR 64 by having potential pre-control emissions of the applicable regulated air pollutant (in this case NOx) when firing No. 2 fuel oil that are equal to or greater than 100% of the amount, in tpy, required for a source to be classified as a major source (in this case for NOx, 50 tpy). The pollutant specific emissions unit, EU 8, is located at the Sterling Power Plant. The unit is equipped with a TODD Variflame V561G0XXX low NOx burner, a flue gas recirculation system and subject to 40 CFR 60 Subpart Dc.

The Permittee shall be responsible for the following actions listed in Table IV.A below.

Table IV.A: COMPLIANCE ASSURANCE MONITORING (CAM)		
	Indicator No. 1	Indicator No. 2
Indicator	Boiler exhaust (flue gas) and windbox (incoming combustion air) O ₂ concentrations	FGR percent (%FGR)
Justification	The %FGR is maintained by using target values for the windbox O ₂ concentration vs. the stack O ₂ concentration.	The %FGR has an impact on NOx emissions. Generally, the greater the %FGR the greater the NOx reduction. The position of the FGR damper is controlled automatically.
Measurement Approach	The boiler exhaust gas O ₂ concentration is measured at the boiler outlet. The windbox O ₂ concentration is measured at the boiler inlet.	The %FGR can be calculated with an equation based on the windbox O ₂ concentration vs. the stack O ₂ concentration.
Indicator Range or Designated Conditions	The values of windbox O ₂ concentration and the stack O ₂ concentration will be input into an equation (see equation 1 below) to determine the %FGR.	An excursion occurs when the %FGR is calculated below the target value.
Rationale for Selection of Indicator Ranges	Based on standard operating conditions for this boiler.	A target value of 0% was determined through emissions testing to be required to maintain NOx emissions within permit limits.
Corrective Action	Adjust the average windbox O ₂ concentration in order to achieve the desired %FGR.	If the %FGR is calculated below the target value based on a 30 day rolling average the facility will make adjustments to correct the excursion. Activities may include: Check the calibration of the O ₂ monitors, Inspect the operation of the FGR Damper, adjust controlling equipment and software to correct the condition.

Section IV: Compliance Assurance Monitoring (CAM)

Data Representativeness	O ₂ monitors have a minimum accuracy of ±3% calibration error to zero and upscale reference gases.	%FGR ≥ 0%
QA/QC	Semi-annual calibration of O ₂ monitor.	None
Monitoring Frequency	The boiler exhaust and windbox O ₂ concentrations are monitored continuously. Data will be captured and averaged on a daily basis.	The %FGR is calculated daily.
Averaging Periods	Hourly	Daily and 30-day rolling
Record Keeping	<p>The Permittee shall keep continuous records of the boiler exhaust and windbox O₂ concentrations.</p> <p>All records shall be maintained on the premises for a period of five years from the date such data and information were obtained. Such records and reports shall be available for inspection at reasonable hours by the commissioner or the Administrator.</p>	<p>The Permittee shall keep daily and 30-day rolling average values of the calculated %FGR and NO_x emissions.</p> <p>The Permittee shall keep records of all excursions occurrences.</p> <p>All records shall be maintained on the premises for a period of five years from the date such data and information were obtained. Such records and reports shall be available for inspection at reasonable hours by the commissioner or the Administrator.</p>
Reporting	The Permittee shall provide the records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require.	The Permittee shall provide the records to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require.

%FGR Calculation Methodology:

$$\%FGR = ((20.9 / 100) - (\text{Windbox O}_2 \text{ percent} / 100)) / (\text{Windbox O}_2 \text{ percent} / 100 - \text{Boiler exhaust O}_2 \text{ percent} / 100) \text{-----}1$$

NO_x = relationship between NO_x and %FGR-----2

Section V: Compliance Schedule

TABLE V: 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 VI: 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.

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.

Section VI: State Enforceable Terms and Conditions

- 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.
- 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.** Open Burning: The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).
- H.** Fuel Sulfur Content: The Permittee shall not use No. 2 heating oil that exceeds three-tenths of one percent sulfur by weight as set forth in CGS §16a-21a.

Section VII: 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.

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: Office of the Director; Engineering & Enforcement Division; 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 in a computer-readable format and addressed to: Director, Air Compliance Program; Attn: Air Compliance Clerk; Office of Environmental Stewardship; EPA Region 1; 5 Post Office Square, Suite 100; Mail Code OEP05-02; Boston, Massachusetts 02109-3912.

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:

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

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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 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.

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;

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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.

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).

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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.

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

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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.

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

Section VII: Title V Requirements

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determined that the commissioner failed to act in a timely manner on a permit renewal application.

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.