



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	189-0221-TV
Client/Sequence/Town/Premises Numbers	251/1/189/114
Date Issued	June 22, 2015
Expiration Date	June 22, 2020

Corporation:

Wallingford Energy, LLC

Premises Location:

115 John Street, Wallingford, CT 06492

Name of Responsible Official and Title:

D. Blake Wheatley, Assistant Vice President

All the following attached pages, 2 through 32, are hereby incorporated by reference into this Title V permit.

/s/ Anne Gobin for
Robert J. Klee
Commissioner

June 22, 2015
Date

TABLE OF CONTENTS

	PAGE
List of Abbreviations/Acronyms	4
Section I. Premises Information/Description	
A. Premises Information.....	5
B. Premises Description.....	5
Section II. Emissions Units Information	
A. Emissions Units Description - Table II.A.....	6
B. Operating Scenario Identification - Table II.B	7
Section III. Applicable Requirements and Compliance Demonstration	
A. Grouped Emissions Unit 001	8
B. Emissions Unit 006.....	15
C. Emissions Unit 007	17
D. Federal Acid Rain Permit Requirements	20
E. Premises-Wide General Requirements	21
Section IV. Compliance Schedule - Table IV	23
Section V. State Enforceable Terms and Conditions	24
Section VI. Title V Requirements	
A. Submittals to the Commissioner & Administrator.....	26
B. Certifications [RCSA §22a-174-33(b)].....	26
C. Signatory Responsibility [RCSA §22a-174-2a(a)]	26
D. Additional Information [RCSA §§22a-174-33(j)(1)(X), -33(h)(2)].....	27
E. Monitoring Reports [RCSA §22a-174-33(o)(1)]	27
F. Premises Records [RCSA §22a-174-33(o)(2)]	28
G. Progress Reports [RCSA §22a-174-33(q)(1)].....	28
H. Compliance Certifications [RCSA §22a-174-33(q)(2)].....	29
I. Permit Deviation Notifications [RCSA §22a-174-33(p)]	29
J. Permit Renewal [RCSA §22a-174-33(j)(1)(B)].....	29
K. Operate in Compliance [RCSA §22a-174-33(j)(1)(C)]	29
L. Compliance with Permit [RCSA §22a-174-33(j)(1)(G)]	29
M. Inspection to Determine Compliance [RCSA §22a-174-33(j)(1)(M)].....	30
N. Permit Availability	30
O. Severability Clause [RCSA §22a-174-33(j)(1)(R)]	30
P. Need to Halt or Reduce Activity [RCSA §22a-174-33(j)(1)(T)].....	30
Q. Permit Requirements [RCSA §22a-174-33(j)(1)(V)]	30
R. Property Rights [RCSA §22a-174-33(j)(1)(W)]	30
S. Alternative Operating Scenario Records [RCSA §22a-174-33(o)(3)]	30
T. Operational Flexibility and Off-Permit Changes [RCSA §22a-174-33(r)(2)]	31
U. Information for Notification [RCSA §22a-174-33(r)(2)(A)].....	31
V. Transfers [RCSA §22a-174-2a(g)]	31
W. Revocation [RCSA §22a-174-2a(h)]	31
X. Reopening for Cause [RCSA §22a-174-33(s)]	32
Y. Credible Evidence.....	32

Title V Operating Permit

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

LIST OF ABBREVIATIONS/ACRONYMS

<i>Abbreviation/Acronym</i>	<i>Description</i>
%	Percent
°F	Degree Fahrenheit
AOS	Alternative Operating Scenario
AP-42	Compilation of Air Pollutant Emissions Factors
CAIR	Clean Air Interstate Rule
CEM	Continuous Emission 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
Ft ³	Cubic Feet
GEU	Grouped Emissions Unit
HAP	Hazardous Air Pollutant
HCHO	Formaldehyde
H ₂ SO ₄	Sulfuric Acid
Hr	Hour
KW	Kilowatt
Lb	Pound
MMBtu	Million British Thermal Units
MMft ³	Million Cubic Feet
MRC	Maximum Rated Capacity
MW	Megawatt
NH ₃	Ammonia
NO _x	Nitrogen Oxides
NSR	New Source Review
O ₂	Oxygen
PM ₁₀	Particulate Matter less than 10 microns
Ppmvd	Parts per million, volumetric basis dry
RCSA	Regulations of Connecticut State Agencies
SCR	Selective Catalytic Reduction
SIC	Standard Industrial Classification Code
SO ₂	Sulfur Dioxide
SO _x	Sulfur Oxides
SOS	Standard Operating Scenario
Tpy	Tons per year
TSP	Total Suspended Particulate
VOC	Volatile Organic Compound

Section I: Premises Information/Description

A. PREMISES INFORMATION

Nature of Business: Power Generation Facility
Primary SIC: 4911

Facility Mailing Address: 400 Chesterfield Center, Chesterfield, MO 63017
Telephone Number: 636-534-3245

B. PREMISES DESCRIPTION

Wallingford Energy, LLC operates a nominally rated 250 megawatt (MW) simple cycle combustion turbine power plant in Wallingford, Connecticut. The facility consists of five 50 MW General Electric LM6000 Simple Cycle Jet Turbines, one 33.475 MMBtu/hr Cleaver Brooks Boiler and one 560kW Black Start Diesel generator. The combustion turbines and boiler burn only natural gas.

The Jet Turbines (GEU-001) are subject to the Standards of Performance for Stationary Gas Turbines (40 CFR Part 60 Subpart GG), since each of the turbines has a heat input at peak load greater than 10 MMBtu/hr. These units are also CAIR NO_x ozone season units. The Cleaver Brooks Boiler (EU-006) is subject to the Standards of Performance for Small-Industrial-Commercial Institutional Steam Generating Units (40 CFR Part 60 Subpart Dc), since the unit has a maximum design heat input capacity of 33.475 MMBtu/hr, well within the 10-100 MMBtu/hr applicability range. The Black Start Generator (EU-007) operates under the permit-by-rule regulations, RCSA Section 22a-174-3b and is subject to the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR Part 63 Subpart ZZZZ).

According to 40 CFR 72, 73, and 75, the power plant is designated as a Phase II Acid Rain Source.

Wallingford Energy exceeds the major source thresholds for CO and TSP/ PM₁₀/PM_{2.5}.

Wallingford Energy is a Title V source located in a serious ozone-non-attainment area defined in RCSA Section 22a-174-1(103).

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, Orders, Registrations, or Regulations into this Title V permit.

TABLE II.A: EMISSIONS UNITS DESCRIPTION				
Emissions Unit		Emissions Unit Description	Control Unit Description	NSR Permit, Order, Registration, or Regulation Number
GEU-001	EU-001	GE LM6000 Combustion Turbine No. 1 Installation Date: 10/03/00 MRC: 461.2 MMBtu/hr	Selective Catalytic Reduction, Oxidation Catalyst and Low NO _x Burners	NSR Permit No. 189-0194 RCSA Sec 22a-174-22c (CAIR) Title IV Acid Rain 40 CFR Part 60 Subpart GG
	EU-002	GE LM6000 Combustion Turbine No. 2 Installation Date: 10/03/00 MRC: 461.2 MMBtu/hr		NSR Permit No. 189-0195 RCSA Sec 22a-174-22c (CAIR) Title IV Acid Rain 40 CFR Part 60 Subpart GG
	EU-003	GE LM6000 Combustion Turbine No. 3 Installation Date: 10/03/00 MRC: 461.2 MMBtu/hr		NSR Permit No. 189-0196 RCSA Sec 22a-174-22c (CAIR) Title IV Acid Rain 40 CFR Part 60 Subpart GG
	EU-004	GE LM6000 Combustion Turbine No. 4 Installation Date: 10/03/00 MRC: 461.2 MMBtu/hr		NSR Permit No. 189-0197 RCSA Sec 22a-174-22c (CAIR) Title IV Acid Rain 40 CFR Part 60 Subpart GG
	EU-005	GE LM6000 Combustion Turbine No. 5 Installation Date: 10/03/00 MRC: 461.2 MMBtu/hr		NSR Permit No. 189-0198 RCSA Sec 22a-174-22c (CAIR) Title IV Acid Rain 40 CFR Part 60 Subpart GG
EU-006		Cleaver Brooks Boiler Installation Date: 10/03/00 MRC: 33.475 MMBtu/hr	None	NSR Permit No. 189-0199 40 CFR Part 60 Subpart Dc
EU-007		Black Start Generator Installation Date: 10/03/00 MRC: 5.31 MMBtu/hr	None	RCSA Sec 22a-174-3b(e) 40 CFR Part 63 Subpart ZZZZ

Section II: Emissions Units Information

B. OPERATING SCENARIO IDENTIFICATION

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

TABLE II.B: OPERATING SCENARIO IDENTIFICATION		
Identification of Operating Scenario	Emissions Units Associated with the Scenario	Description of Scenario
SOS	GEU-001	Five combustion turbines operating on natural gas and in accordance with their respective NSR permits and 40 CFR Part 60 Subpart GG.
	EU-006	One natural gas-fired boiler operating in accordance with NSR Permit No. 189-0199 and 40 CFR Part 60 Subpart Dc.
	EU-007	One diesel-fired emergency generator operating under RCSA 22a-174-3b(e) and in accordance with 40 CFR Part 63 Subpart <i>ZZZZ</i> .

Section III: Applicable Requirements and Compliance Demonstration

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

A. GEU-001 COMBUSTION TURBINES [COMBUSTION TURBINE NO. 1 (EU-001) THROUGH COMBUSTION TURBINE NO. 5 (EU-005)]

1. Fuel Consumption

a. Limitation or Restriction

- i. Turbine Nos. 1 (EU-001) through No. 5 (EU-005) shall only burn Natural Gas. [NSR Permit Nos. 189-0194 through 189-0198]
- ii. The maximum fuel consumption over any consecutive 12-month period for each turbine shall not exceed 1,844.8 MMft³. [NSR Permit Nos. 189-0194 through 189-0198]

b. Monitoring Requirements

- i. The Permittee shall use a fuel metering device to continuously monitor fuel feed for each turbine. [NSR Permit Nos. 189-0194 through 189-0198]
- ii. The Permittee shall demonstrate that the fuel used by the turbines (GEU-001) meets the definition of natural gas in 40 CFR Part 60.331(u) and shall use one of the sources of information listed in 40 CFR Part 60.334(h)(3) to make the required demonstration. [40 CFR §60.334(h)(3)]

c. Record Keeping Requirements

- i. The Permittee shall keep records of annual fuel consumption. Annual fuel consumption shall be based on any consecutive 12 month time period and shall be determined by adding 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. [NSR Permit Nos. 189-0194 through 189-0198]
- ii. The Permittee shall maintain records sufficient to determine compliance with condition III.A.1.b.ii. (in Section III) of this Title V permit. [RCSA §22a-174-33(o)(2)]
- iii. The Permittee shall keep all records required by this permit for a period of no less than five years and shall submit such records to the commissioner upon request. [NSR Permit Nos. 189-0194 through 189-0198]

d. Reporting Requirements

- i. 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)]

2. NO_x, CO, NH₃ and O₂

a. Limitation or Restriction

- i. The NO_x emissions for each unit in GEU-001 shall not exceed the following limits: [NSR Permit Nos. 189-0194 through 189-0198]

Section III: Applicable Requirements and Compliance Demonstration

- (A) 2.5 ppmvd @ 15% O₂
 - (B) 4.30 lb/hr
 - (C) 8.6 tpy
 - (D) The NO_x emissions for each unit shall not exceed 40 lb/hr (and 0.087 lb/MMBtu) during start-up and 20 lb/hr (and 0.043 lb/MMBtu) during shutdown. An exceedance of these emission limits due to an emergency, malfunction or cleaning shall not be deemed a “Federally Permitted Release,” as that term is used in 42 U.S.C. 9601(10). Malfunction is defined in 40 CFR Part 60.2 and emergency means “emergency” as defined in RCSA Section 22a-174-22(a). [NSR Permit Nos. 189-0194 through 189-0199]
 - (E) Notwithstanding the annual NO_x emissions limit for each combustion turbine in GEU-001 listed in Section III.A.2.a.i.(C) of this Title V permit; the combined total annual NO_x emissions for GEU-001, the Cleaver Brooks Boiler (EU-006), and the Black Start Generator (EU-007) shall not exceed 48.223 tpy. [NSR Permit Nos. 189-0194 through 189-0199]
- ii. The CO emissions for each unit in GEU-001 shall not exceed: [NSR Permit Nos. 189-0194 through 189-0198]
- (A) 2.1 ppmvd @ 15% O₂ at a temperature of 90 °F (100% load).
 - (B) 7.2 ppmvd @ 15% O₂ at a temperature of 59 °F (100% load).
 - (C) 16.3 ppmvd @ 15% O₂ at a temperature of 10 °F (100% load).
 - (D) 16.8 lb/hr
 - (E) 33.6 tpy
 - (F) Notwithstanding the annual CO emissions limit for each combustion turbine in GEU-001 listed in Section III.A.2.a.ii.(E) of this Title V permit; the combined total annual CO emissions for GEU-001, the Cleaver Brooks Boiler (EU-006), and the Black Start Generator (EU-007) shall not exceed 169.697 tpy. [NSR Permit Nos. 189-0194 through 189-0199]
- iii. The NH₃ emissions for each unit in GEU-001 shall not exceed: [NSR Permit Nos. 189-0194 through 189-0198]
- (A) 6.0 ppmvd @ 15% O₂.
 - (B) 3.73 lb/hr
- iv. The Permittee shall equip the combustion turbines in GEU-001 with Low NO_x Burners, Selective Catalytic Reduction Systems and CO Oxidation Catalysts with minimum overall control efficiencies as specified in NSR Permit Nos. 189-0194 through 189-0198 and sufficient to maintain compliance with the applicable NO_x and CO emission limitations listed in this Title V permit. [NSR Permit Nos. 189-0194 through 189-0198]

Section III: Applicable Requirements and Compliance Demonstration

b. Monitoring Requirements

- i. The Permittee shall conduct the performance tests required in 40 CFR Part 60.8, as applicable. [40 CFR §60.335(a)]
- ii. The Permittee shall install, calibrate, maintain, and operate NO_x, CO, NH₃ and O₂ CEMS and recording systems for measuring and recording the NO_x, CO and NH₃ emissions discharged to the atmosphere. These quantities shall be used to determine compliance with the emission limits listed in Section III.A.2.a. of this Title V permit. [NSR Permit Nos. 189-0194 through 189-0198]
- iii. Averaging times for the CEMS shall be: [NSR Permit Nos. 189-0194 through 189-0198]
 - (A) One hour rolling for NO_x
 - (B) One hour block for CO
 - (C) Three hour block for NH₃
 - (D) One hour block for O₂
- iv. The CEMS shall be certified, installed, calibrated, operated and tested in accordance with the applicable state and federal requirements, including but not limited to those specified in 40 CFR 60 Subpart A, Appendix B and Appendix F, as may be amended from time to time, and those listed in 40 CFR Part 60.334(b) for the NO_x CEMS. [40 CFR 60 Subpart A and §60.334(b)]
- v. Continuous emissions monitoring shall be required during all periods of operation, including periods of start-up, shutdown, malfunctions or emergency conditions. [NSR Permit Nos. 189-0194 through 189-0198]
- vi. If required by the commissioner, the Permittee shall measure NO_x emissions using EPA Method 7E or other method approved by the Department. [RCSA §§22a-174-5(b)(7) and 5(e)(2)]
- vii. If required by the commissioner, the Permittee shall measure CO emissions using EPA Method 10 or other method approved by the Department. [RCSA §22a-174- 5(e)(2)]

c. Record Keeping Requirements

- i. The Permittee shall record the output of the NO_x, CO and NH₃ CEMS. [NSR Permit Nos. 189-0194 through 189-0198]
- ii. The Permittee shall make and keep records sufficient to determine compliance with the lb/hr, ppmvd @ 15% O₂, and tpy emission limitations listed in Section III.A.2.a. of this Title V permit for NO_x, CO and NH₃, including the combined total annual emission limits and NO_x emissions during start-up and shutdown events. These records shall be kept for each combustion turbine in GEU-001 and these shall include a sample calculation for each pollutant. Annual emissions shall be calculated each calendar month by adding the current calendar month's emission 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(o)(2)]
- iii. The Permittee shall keep records of excess emissions and monitor downtime, in accordance with 40 CFR Part 60.7(c). [40 CFR §60.334(j)]

Section III: Applicable Requirements and Compliance Demonstration

- iv. The Permittee shall maintain reports of all monitoring and test data in accordance with RCSA Section 22a-174-4(d). [RCSA §22a-174-4(d)]
- v. The Permittee shall keep all applicable records listed in RCSA Section 22a-174-22(l). [RCSA §22a-174-22(l)]
- vi. The Permittee shall keep all records required by this permit for a period of no less than five years and shall submit such records to the commissioner upon request. [NSR Permit Nos. 189-0194 through 189-0198]

d. Reporting Requirements

- i. Prior to replacing any CEMS, the Permittee shall submit, at least 60 days prior to commencement of CEM performance testing, the CEM Monitoring Plan and the CEM summary plan in accordance with the CEM Guidelines and RCSA Section 22a-174-4(c). [NSR Permit Nos. 189-0194 through 189-0198; RCSA §22a-174-4(c)]
- ii. The Permittee shall review all recorded data daily. The Permittee shall notify the commissioner in writing of any deviation from an emissions limitation and shall identify the cause or likely cause of such deviation, all corrective actions and preventative measures taken with respect thereto, and the dates of such actions and measures no later than ten days after such deviation commenced. [NSR Permit Nos. 189-0194 through 189-0198]
- iii. The Permittee shall submit reports of excess emissions and monitor downtime to the Administrator/commissioner, in accordance with 40 CFR Part 60.7(c). For the purpose of reports required under Part 60.7(c), periods of excess emissions and monitor downtime that shall be reported are defined in 40 CFR Part 60.334(j). [40 CFR §60.334(j)]
- iv. The Permittee shall furnish the Administrator/commissioner all applicable written and/or electronic notification(s) as required by 40 CFR Part 60.7(a) and RCSA Section 22a-174-4. The quarterly reports specified in RCSA Section 22a-174-4 shall be submitted by the 30th day following the end of the calendar quarter in which the data were collected. [NSR Permit Nos. 189-0194 through 189-0198 and RCSA §22a-174-4(d)]
- v. The Permittee shall submit all applicable reports specified in RCSA Section 22a-174-22(l). [RCSA §22a-174-22(l)]
- vi. 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)]

3. TSP/PM₁₀, SO_x, VOC, HCHO and H₂SO₄

a. Limitation or Restriction

- i. The TSP/PM₁₀ emissions for each unit in GEU-001 shall not exceed: [NSR Permit Nos. 189-0194 through 189-0198]
 - (A) 12.1 lb/hr
 - (B) 24.2 tpy

Section III: Applicable Requirements and Compliance Demonstration

- (C) Notwithstanding the annual TSP/PM₁₀ emissions limit for each combustion turbine in GEU-001 listed in Section III.A.3.a.i.(B) of this Title V permit; the combined total annual TSP/PM₁₀ emissions for GEU-001, the Cleaver Brooks Boiler (EU-006), and the Black Start Generator (EU-007) shall not exceed 121.747 tpy. [NSR Permit Nos. 189-0194 through 189-0199]
- ii. The SO_x emissions for each unit in GEU-001 shall not exceed: [NSR Permit Nos. 189-0194 through 189-0198]
- (A) 1.26 lb/hr
- (B) 2.52 tpy
- (C) Notwithstanding the annual SO_x emissions limit for each combustion turbine in GEU-001 listed in Section III.A.3.a.ii.(B) of this Title V permit; the combined total annual SO_x emissions for GEU-001, the Cleaver Brooks Boiler (EU-006), and the Black Start Generator (EU-007) shall not exceed 13.255 tpy. [NSR Permit Nos. 189-0194 through 189-0199]
- iii. The VOC emissions for each unit in GEU-001 shall not exceed: [NSR Permit Nos. 189-0194 through 189-0198]
- (A) 4.95 lb/hr
- (B) 9.9 tpy
- (C) Notwithstanding the annual VOC emissions limit for each combustion turbine in GEU-001 listed in Section III.A.3.a.iii.(B) of this Title V permit; the combined total annual VOC emissions for GEU-001, the Cleaver Brooks Boiler (EU-006), and the Black Start Generator (EU-007) shall not exceed 49.611 tpy. [NSR Permit Nos. 189-0194 through 189-0199]
- iv. The HCHO emissions for each unit in GEU-001 shall not exceed 0.290 lb/hr. [NSR Permit Nos. 189-0194 through 189-0199]
- v. The H₂SO₄ emissions for each unit in GEU-001 shall not exceed 0.485 lb/hr. [NSR Permit Nos. 189-0194 through 189-0199]

b. Monitoring Requirements

- i. The Permittee shall demonstrate compliance with the emission limits listed in Section III.A.3.a. of this Title V permit by calculating emission rates (for GEU-001) using emission factors from the following sources: AP-42, fifth edition, Section 3.1, January 1995 and manufacturer's data (for TSP/PM₁₀), AP-42, fifth edition, Section 3.1, January 1995 (for SO_x) and manufacturer's data (for VOC). The H₂SO₄ emission factor was calculated based on a conversion rate of 28 percent for the sulfur in the fuel to become H₂SO₄ and the HCHO emission factor is 250 ppm by weight. However, this shall not preclude the commissioner from requiring other means (e.g. stack testing) to demonstrate compliance with the aforementioned emissions limits, as allowed by state or federal statute, law or regulation. [NSR Permit Nos. 189-0194 through 189-0199]

Section III: Applicable Requirements and Compliance Demonstration

c. Record Keeping Requirements

- i. The Permittee shall make and keep records sufficient to determine compliance with the lb/hr and tpy emission limitations listed in Section III.A.3.a. of this Title V permit. Annual emissions shall be calculated each calendar month by adding the current calendar month's emission to those of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. These records shall be kept for each combustion turbine in GEU-001 and these shall include a sample calculation for each pollutant. [RCSA §22a-174-33(o)(2)]
- ii. The Permittee shall keep all records required by this permit for a period of no less than five years and shall submit such records to the commissioner upon request. [NSR Permit Nos. 189-0194 through 189-0198]

d. Reporting Requirements

- i. 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)]

4. Operation and Maintenance Requirements

a. Limitation or Restriction

- i. The Permittee shall operate and maintain this equipment in accordance with the manufacturer's specifications and written recommendations. [NSR Permit Nos. 189-0194 through 189-0198]
- ii. The Permittee shall properly operate the control equipment at all times that the combustion turbines in GEU-001 are in operation and emitting air pollutants. [NSR Permit Nos. 189-0194 through 189-0198]
- iii. The Permittee shall operate and maintain this equipment, any air pollution control equipment, and any monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown and malfunction. [NSR Permit Nos. 189-0194 through 189-0198 and RCSA §22a-174-33(j)(1)(J)]
- iv. The CEM equipment shall be installed and operational prior to conducting source compliance testing. [NSR Permit Nos. 189-0194 through 189-0198]
- v. The Permittee shall inspect the SCR catalyst and replace it as required through the monitoring of the catalyst test pieces. [NSR Permit Nos. 189-0194 through 189-0198]
- vi. Start-up and shutdown events shall not exceed 180 minutes each. All possible steps shall be taken to minimize the impact of emissions during these periods. Start-up shall be defined as that period of time from initiation of combustion firing until the combustion turbine reaches steady state operation. Shut-down shall be defined as that period of time from the initial lowering of turbine output until the point at which the combustion process has stopped. [NSR Permit Nos. 189-0194 through 189-0198]
- vii. The Permittee shall install and operate a continuous monitoring system to monitor the ammonia injection rate on an hourly basis. [NSR Permit Nos. 189-0194 through 189-0198]

Section III: Applicable Requirements and Compliance Demonstration

- viii. During any air pollution emergency episode that occurs, the turbine shall be operated in accordance with the Updated Facility Emergency Episode Plans submitted to the Department, pursuant to RCSA Section 22a-174-6. [NSR Permit Nos. 189-0194 through 189-0198]
- ix. The Permittee shall operate the combustion turbines in accordance with the applicable Federal Acid Rain Program requirements listed in 40 CFR Part 72, 73 and 75. [NSR Permit Nos. 189-0194 through 189-0198]

b. Record Keeping Requirements

- i. The Permittee shall keep records of the hourly ammonia injection rate. [RCSA §22a-174-33(o)(2)]
- ii. The Permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the combustion turbines; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. [40 CFR §60.7(b)]
- iii. The Permittee shall keep and maintain records of the inspection of the SCR catalyst. The records shall include the name of the person inspecting the SCR catalyst, the date of inspection, the results of the inspection and the date the catalyst is replaced. [NSR Permit Nos. 189-0194 through 189-0198]
- iv. The Permittee shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this permit recorded in a permanent form suitable for inspection. [40 CFR §60.7(f)]
- v. The commissioner and/or the Administrator, upon notification to the Permittee, may require the Permittee to maintain all measurements as required by 40 CFR Part 60.7(f), if the commissioner and/or the Administrator determines these records are required to more accurately assess the compliance status of the units. [40 CFR §60.7(f)(3)]

c. Reporting Requirements

- i. 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)]

5. CAIR NO_x Ozone Season Trading

a. Limitation or Restriction

- i. The Combustion Turbines (GEU-001) are CAIR NO_x Ozone season units and therefore are subject to RCSA Section 22a-174-22c. These units shall comply with all applicable requirements stated in RCSA Section 22a-174-22c and the standard requirements of the CAIR permit application. [RCSA §22a-174-22c.]

b. Record Keeping Requirements

- i. The Permittee shall make and keep records sufficient to determine that GEU-001 complies with all applicable requirements of RCSA §22a-174-22c and the standard requirements of the CAIR permit application. [RCSA §22a-174-33(j)(1)(K)(ii)]

Section III: Applicable Requirements and Compliance Demonstration

B. EU-006 CLEAVER BROOKS BOILER

1. Fuel Consumption

a. Limitation or Restriction

- i. The Cleaver Brooks Boiler (EU-006) shall only burn Natural Gas. [NSR Permit No. 189-0199]
- ii. The Maximum Fuel Consumption over any Consecutive 12-Month Period shall not exceed 13,892,125 ft³. [NSR Permit No. 189-0199]

b. Monitoring Requirements

- i. The Permittee shall monitor monthly fuel consumption for this boiler. [RCSA §22a-174-33(j)(1)(K)]

c. Record Keeping Requirements

- i. The Permittee shall keep records of annual fuel consumption. Annual fuel consumption shall be based on any consecutive 12 month time period and shall be determined by adding 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. [NSR Permit No. 189-0199]
- ii. The Permittee shall keep records on the premises indicating continual compliance with all above conditions at all times and shall make them available upon request by the commissioner for the duration of this permit, or for the previous five years, whichever is less. [NSR Permit No. 189-0199]

d. Reporting Requirements

- i. The Permittee shall provide the records specified in Section III.B.1.c. of this Title V permit to the commissioner within thirty 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. Criteria Pollutants

a. Limitation or Restriction

- i. The Permittee shall meet the emission limits stated herein at all times: [NSR Permit No. 189-0199]
 - (A) TSP/PM₁₀ - 0.3350 lb/hr, 0.0100 lb/MMBtu and 0.0695 tpy.
 - (B) SO_x - 0.0335 lb/hr, 0.0010 lb/MMBtu and 6.95E-03 tpy.
 - (C) NO_x - 1.1700 lb/hr, 0.0350 lb/MMBtu and 0.2430 tpy.
 - (D) VOC - 0.5360 lb/hr, 0.0160 lb/MMBtu and 0.1110 tpy.
 - (E) CO - 1.2400 lb/hr, 0.0370 lb/MMBtu and 0.2570 tpy.
- ii. Notwithstanding the annual emission limits for EU-006 listed in Section III.B.2.a.i. of this Title V permit; the combined total annual emissions for the Combustion Turbines (GEU-001), EU-006, and the Black Start Generator (EU-007) shall not exceed the following limits: [NSR Permit Nos. 189-0194 through 189-0199]

Section III: Applicable Requirements and Compliance Demonstration

(A) TSP/PM₁₀ - 121.747 tpy.

(B) SO_x - 13.255 tpy.

(C) NO_x - 48.223 tpy.

(D) VOC - 49.611 tpy.

(E) CO - 169.697 tpy.

b. Record Keeping Requirements

- i. The Permittee shall make and keep records sufficient to determine compliance with the lb/hr and tpy emission limitations listed in Section III.B.2.a. of this Title V permit. Annual emissions shall be calculated each calendar month by adding the current calendar month's emission to those of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. These records shall include a sample calculation for each pollutant. [RCSA §22a-174-33(o)(2)]
- ii. The Permittee shall keep all applicable records listed in RCSA Section 22a-174-22(1). [RCSA §22a-174-22(1)]
- iii. The Permittee shall keep records on premises indicating continual compliance with all above conditions at all times and shall make them available upon request by the commissioner for the duration of this permit, or for the previous five years, whichever is less. [NSR Permit No. 189-0199]

c. Reporting Requirements

- i. The Permittee shall submit all applicable reports specified in RCSA Section 22a-174-22(1). [RCSA §22a-174-22(1)]
- 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)]

3. Operation and Maintenance Requirements

a. Limitation or Restriction

- i. The Permittee shall operate and maintain this equipment in accordance with the manufacturer's specifications and written recommendations. [NSR Permit No. 189-0199]

b. Record Keeping Requirements

- i. The Permittee shall maintain records sufficient to determine compliance with condition B.3.a.i. (in Section III) of this Title V permit, these records shall include the date of each annual tune-up. [RCSA §22a-174-33(o)(2)]
- ii. The Permittee shall keep records on premises indicating continual compliance with all above conditions at all times and shall make them available upon request by the commissioner for the duration of this permit, or for the previous five years, whichever is less. [NSR Permit No. 189-0199]

Section III: Applicable Requirements and Compliance Demonstration

c. Reporting Requirements

- i. The Permittee shall submit all required reports in accordance with Section VI.F of this Title V permit. [Section VI.F of this Title V permit]

C. EU-007 BLACK START GENERATOR

1. Maximum Hours of Operation

a. Limitation or Restriction

- i. The Permittee shall not cause or allow the emergency engine to operate except during periods of testing and scheduled maintenance, provided that these tests are recommended by Federal, State or local government, the manufacturer, the vendor or the insurance company associated with the engine, or during an emergency. [40 CFR §63.6640(f)(2)(i) and RCSA §22a-174-3b(e)(2)]
- ii. The Permittee shall operate the emergency engine (EU-007) for a maximum of 300 hours during any 12-month rolling aggregate. [RCSA §22a-174-3b(e)(2)(C)]
- iii. Maintenance checks and readiness testing for the emergency engine is limited to 100 hours per calendar year. [40 CFR §63.6640(f)(2)(i)]

b. Monitoring Requirements

- i. The Permittee shall install a non-resettable hour meter if one is not already installed. [40 CFR §63.6625(f)]

c. Record Keeping Requirements

- i. The Permittee shall maintain records sufficient to determine compliance with the limits in Section III.C.1.a. of this Title V permit. [RCSA §§22a-174-3b(e)(3) and (4)]
- ii. The Permittee shall document and keep records of the emergency engine's hours of operation for each month and each 12 month rolling aggregate that is recorded through the non-resettable hour meter. The Permittee shall also document how many hours are spent for emergency operation, including what classified the operation as emergency. [40 CFR §63.6655(f)]
- iii. The Permittee shall keep all records in a form suitable and readily available for expeditious review according to 40 CFR Part 63.10(b)(1), and all records must be kept for at least five years after the date of each occurrence, measurement, maintenance, corrective action, report or record. [40 CFR §63.6660]

2. Maximum Sulfur Content in Fuel

a. Limitation or Restriction

- i. Any nongaseous fuel consumed by the emergency engine shall not exceed the sulfur content of motor vehicle diesel fuel (where "motor vehicle diesel fuel" is defined in RCSA Section 22a-174-42), and the applicable sulfur content limits set forth in Table 19b-1 of RCSA Section 22a-174-19b and 40 CFR Part 63.6604(b), whichever is more stringent. [40 CFR §63.6604(b), RCSA §§22a-174-3b(e)(2)(D) and 19b(d)(2)]

Section III: Applicable Requirements and Compliance Demonstration

b. Monitoring Requirements

- i. The Permittee shall ensure that the sulfur content in the fuel is in compliance with the limit in condition C.2.a.i (in Section III) of this Title V permit. [RCSA §22a-174-3b(e)(2)(D)]

c. Record Keeping Requirements

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

(A) The name of the fuel seller;

(B) The type of fuel purchased

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

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

- ii. The Permittee shall keep all records in a form suitable and readily available for expeditious review according to 40 CFR Part 63.10(b)(1), and all records must be kept for at least five years after the date of each occurrence, measurement, maintenance, corrective action, report or record. [40 CFR §63.6660]

d. Reporting Requirements

- i. The Permittee shall report the sulfur content for the fuel burned in the diesel-fired emergency engine in the annual emission statement. [RCSA §22a-174-4(d)(1)]
- ii. The Permittee shall keep records on the premises indicating continual compliance with all above conditions at all times and shall make them available upon request of the commissioner. The records shall be maintained for five years from the date such record is created. [RCSA §22a-174-3b(e)(3)]

3. Work Practices and Maintenance Requirements

a. Limitation or Restriction

- i. The Permittee shall change the oil and filter of the emergency engine every 500 hours of operation or annually, whichever comes first. The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement. The oil analysis program shall meet the requirements of 40 CFR Part 63.6625(i). [40 CFR Part 63 Subpart ZZZZ Table 2d(4)(a)]
- ii. The Permittee shall inspect the air cleaner of the emergency engine every 1,000 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR Part 63 Subpart ZZZZ Table 2d(4)(b)]
- iii. The Permittee shall inspect all the hoses and belts of the emergency engine every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR Part 63 Subpart ZZZZ Table 2d(4)(c)]

Section III: Applicable Requirements and Compliance Demonstration

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

b. Record Keeping Requirements

- i. The Permittee shall keep records of the maintenance conducted on the emergency engine in order to demonstrate that the emergency engine was operated and maintained according to its maintenance plans, and records of all required maintenance performed on the air pollution control and monitoring equipment (if any). [40 CFR §§63.6655(e) and (a)(4)]
- ii. The Permittee shall keep records sufficient to determine continuous compliance with condition C.2.a.vii. (in Section III) of this Title V permit. [40 CFR §63.6655(d)]
- iii. The Permittee shall keep records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment (if any), and records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR Part 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR §§63.6655(a)(2) and (5)]
- iv. If the Permittee opts to utilize the oil analysis program in order to extend the specified oil change requirement listed in Section III.C.3.a.i. of this Title V permit, the Permittee shall keep records of the parameters that are analyzed as part of the oil analysis program, the results of the analysis, and the oil

Section III: Applicable Requirements and Compliance Demonstration

changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR §63.6625(i)]

- v. The Permittee shall keep a copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status, according to the requirements in 40 CFR Part 63.10(b)(2)(xiv). [40 CFR §63.6655(a)(1)]
- vi. The Permittee shall keep all applicable records listed in RCSA Section 22a-174-22(1). [RCSA §22a-174-22(1)]
- vii. The Permittee shall keep all records in a form suitable and readily available for expeditious review according to 40 CFR Part 63.10(b)(1), and all records must be kept for at least five years after the date of each occurrence, measurement, maintenance, corrective action, report or record. [40 CFR §63.6660]

c. Reporting Requirements

- i. The Permittee shall report each instance in which it did not meet the requirements listed in conditions C.3.a.i. through C.3.a.iv. (in Section III) of this Title V permit. These must be reported according to the requirements specified in 40 CFR Part 63.6650. [40 CFR §63.6640(b)]
- ii. The Permittee shall report any failure to perform any of the work practices and/or maintenance requirements listed in Section III.C.3.a. of this Title V permit on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable. [40 CFR Part 63 Subpart ZZZZ Table 2d Footnote 2]
- iii. The Permittee shall report each instance it did not meet the applicable requirements in Table 8 of 40 CFR Part 63 Subpart ZZZZ. [40 CFR §63.6640(e)]
- iv. The Permittee shall submit all applicable reports specified in RCSA Section 22a-174-22(1). [RCSA §22a-174-22(1)]

D. FEDERAL ACID RAIN PERMIT REQUIREMENTS

1. SO₂ Allowance Allocations and NO_x Requirements for Each Affected Unit

a. GEU-001 (Combustion Turbines Nos. 1-5; EU-001 - EU-005)

		2015	2016	2017	2018	2019
GEU-001 (CT01-CT05)	SO ₂ Allowances under Tables 2,3,or 4 of 40 CFR Part 73	0	0	0	0	0
	NO _x Limit	Not an Affected Unit under 40 CFR Part 76				

Section III: Applicable Requirements and Compliance Demonstration

2. Phase II Acid Rain Permit Application

The attached Phase II Acid Rain Permit Application is hereby incorporated by reference into this Title V permit. If this Title V permit is in conflict with or inconsistent with the Phase II Acid Rain Permit Application, the Title V permit requirements, including any applicable requirement under 40 CFR Parts 72 through 78, inclusive, shall supersede the Phase II Acid Rain Permit Application and the Permittee shall be governed by and adhere to this Title V permit and any applicable requirement under 40 CFR Parts 72 through 78, inclusive.

E. PREMISES-WIDE GENERAL REQUIREMENTS

1. **Annual Emission Statements:** The Permittee shall submit annual emission statements requested by the commissioner as set forth in RCSA §22a-174-4(d)(1).
2. **Emergency Episode Procedures:** The Permittee shall comply with the procedures for emergency episodes as set forth in RCSA §22a-174-6.
3. **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.
4. **Prohibition of Air Pollution:** The Permittee shall comply with the requirement to prevent air pollution as set forth in RCSA §22a-174-9.
5. **Public Availability of Information:** The public availability of information shall apply, as set forth in RCSA §22a-174-10.
6. **Prohibition Against Concealment/Circumvention:** The Permittee shall comply with the prohibition against concealment or circumvention as set forth in RCSA §22a-174-11.
7. **Violations and Enforcement:** The Permittee shall not violate or cause the violation of any applicable regulation as set forth in RCSA §22a-174-12.
8. **Variations:** The Permittee may apply to the commissioner for a variance from one or more of the provisions of these regulations as set forth in RCSA §22a-174-13.
9. **No Defense to Nuisance Claim:** The Permittee shall comply with the regulations as set forth in RCSA §22a-174-14.
10. **Severability:** The Permittee shall comply with the severability requirements as set forth in RCSA §22a-174-15.
11. **Responsibility to Comply:** The Permittee shall be responsible to comply with the applicable regulations as set forth in RCSA §22a-174-16.
12. **Particulate Emissions:** The Permittee shall comply with the standards for control of particulate matter and visible emissions as set forth in RCSA §22a-174-18. (Section 18 approved by EPA on 9-23-1982, current Regulation submitted to EPA on 12-1-2004.)
13. **Sulfur Compound Emissions:** The Permittee shall comply with the requirements for control of sulfur compound emissions as set forth in RCSA §22a-174-19.

Section III: Applicable Requirements and Compliance Demonstration

- 14. Organic Compound Emissions:** The Permittee shall comply with the requirements for control of organic compound emissions as set forth in RCSA §22a-174-20.
- 15. Nitrogen Oxide Emissions:** The Permittee shall comply with the requirements for control of nitrogen oxide emissions as set forth in RCSA §22a-174-22.
- 16. Ambient Air Quality:** The Permittee shall not cause or contribute to a violation of an ambient air quality standard as set forth in RCSA §22a-174-24(b).
- 17. Emission Fees:** The Permittee shall pay an emission fee as set forth in RCSA §22a-174-26(d).

Section IV: Compliance Schedule

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

Section V: State Enforceable Terms and Conditions

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

SECTION V: STATE ENFORCEABLE TERMS AND CONDITIONS

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

Section V: State Enforceable Terms and Conditions

- F.** Hazardous Air Pollutants (HAPs): The Permittee shall operate in compliance with the regulations for the control of HAPs as set forth in RCSA §22a-174-29.
- G.** 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.
- I.** 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.
- J.** The Permittee shall comply with the requirements for Control of Carbon Dioxide Emissions as set forth in RCSA §22a-174-31.
- K.** Reporting of emissions of greenhouse gases: In accordance with CGS §22a-200b, the Permittee shall report greenhouse gas emissions to the commissioner in a format specified by the commissioner.

Section VI: Title V Requirements

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

SECTION VI: TITLE V REQUIREMENTS

A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR

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

Any document required to be submitted to the commissioner under this Title V permit shall, unless otherwise specified in writing by the commissioner, be directed to: 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: U.S. EPA New England, 5 Post Office Square, Suite 100 (OES04-2), Boston, Massachusetts 02109, Attn: Air Clerk.

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

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

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under Section 22a-175 of the Connecticut General Statutes, under Section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute.”

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

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

Section VI: Title V Requirements

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

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

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

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

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

A Permittee, required to perform monitoring pursuant 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.

Section VI: Title V Requirements

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

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

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

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

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

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

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

Section VI: Title V Requirements

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

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

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

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

Notwithstanding Section VI.D of this Title V permit, the Permittee shall notify the commissioner in writing, on forms prescribed by the commissioner, of any deviation from an emissions limitation, and shall identify the cause or likely cause of such deviation, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows:

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

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

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

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

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

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

This Title V permit shall not be deemed to:

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

Section VI: Title V Requirements

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

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

N. PERMIT AVAILABILITY

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

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

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

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

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

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

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

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

This Title V permit does not convey any property rights or any exclusive privileges. This Title V permit is subject to, and in no way derogates from any present or future property rights or other rights or powers of the State of Connecticut, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the facility or regulated activity affected thereby, including CGS §4-181a(b) and RCSA §22a-3a-5(b). This Title V permit shall neither create nor affect any rights of persons who are not parties to this Title V permit.

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

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

Section VI: Title V Requirements

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

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

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

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

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

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

V. TRANSFERS [RCSA §22a-174-2a(g)]

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

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

W. REVOCATION [RCSA §22a-174-2a(h)]

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

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

Section VI: Title V Requirements

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

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

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

Y. CREDIBLE EVIDENCE

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