



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.

<b>Title V Permit Number</b>	199-0038-TV
<b>Client/Sequence/Town/Premises Numbers</b>	8003/1/199/3
<b>Date Issued</b>	January 13, 2015
<b>Expiration Date</b>	January 13, 2020

**Corporation:**

*Dominion Nuclear Connecticut, Incorporated*

**Premises Location:**

*Millstone Power Station, Rope Ferry Road, Waterford, Connecticut 06385*

**Name of Responsible Official and Title:**

*John R. Daugherty, Site Vice President, Millstone Power Station*

All the following attached pages, 2 through 64, are hereby incorporated by reference into this Title V permit.

/s/Anne Gobin for  
Robert J. Klee  
Commissioner

January 13, 2015  
Date

# TABLE OF CONTENTS

	PAGE
<b>List of Abbreviations/Acronyms</b> .....	4
<b>Section I. Premises Information/Description</b>	
A. Premises Information .....	5
B. Premises Description .....	5
<b>Section II. Emissions Units Information</b>	
A. Emissions Units Description - Table II.A .....	6
B. Operating Scenario Identification - Table II.B .....	8
<b>Section III. Applicable Requirements and Compliance Demonstration</b>	
A. Grouped Emissions Unit 1 .....	9
B. Grouped Emissions Unit 2 .....	20
C. Emission Unit 2.8 .....	28
D. Grouped Emissions Unit 3 .....	33
E. Grouped Emissions Unit 4 .....	36
F. Grouped Emissions Unit 5 .....	39
G. Emission Unit 2.17 .....	42
H. Grouped Emissions Unit 6 .....	46
I. Emission Unit 4.1 .....	47
J. Emission Unit 5.1 .....	48
K. Grouped Emissions Unit 7 .....	49
L. Emission Unit 6 .....	51
M. Premises-Wide General Requirements .....	54
<b>Section IV. Compliance Schedule - Table IV</b> .....	56
<b>Section V. State Enforceable Terms and Conditions</b> .....	57
<b>Section VI. Title V Requirements</b>	
A. Submittals to the Commissioner & Administrator .....	58
B. Certifications [RCSA §22a-174-33(b)] .....	58
C. Signatory Responsibility [RCSA §22a-174-2a(a)] .....	58
D. Additional Information [RCSA §§22a-174-33(j)(1)(X), -33(h)(2)] .....	59
E. Monitoring Reports [RCSA §22a-174-33(o)(1)] .....	59
F. Premises Records [RCSA §22a-174-33(o)(2)] .....	60
G. Progress Reports [RCSA §22a-174-33(q)(1)] .....	60
H. Compliance Certifications [RCSA §22a-174-33(q)(2)] .....	61
I. Permit Deviation Notifications [RCSA §22a-174-33(p)] .....	61
J. Permit Renewal [RCSA §22a-174-33(j)(1)(B)] .....	61
K. Operate in Compliance [RCSA §22a-174-33(j)(1)(C)] .....	61
L. Compliance with Permit [RCSA §22a-174-33(j)(1)(G)] .....	61
M. Inspection to Determine Compliance [RCSA §22a-174-33(j)(1)(M)] .....	62
N. Permit Availability .....	62
O. Severability Clause [RCSA §22a-174-33(j)(1)(R)] .....	62
P. Need to Halt or Reduce Activity [RCSA §22a-174-33(j)(1)(T)] .....	62
Q. Permit Requirements [RCSA §22a-174-33(j)(1)(V)] .....	62
R. Property Rights [RCSA §22a-174-33(j)(1)(W)] .....	62
S. Alternative Operating Scenario Records [RCSA §22a-174-33(o)(3)] .....	62
T. Operational Flexibility and Off-Permit Changes [RCSA §22a-174-33(r)(2)] .....	63
U. Information for Notification [RCSA §22a-174-33(r)(2)(A)] .....	63
V. Transfers [RCSA §22a-174-2a(g)] .....	63
W. Revocation [RCSA §22a-174-2a(h)] .....	64
X. Reopening for Cause [RCSA §22a-174-33(s)] .....	64
Y. Credible Evidence .....	64

## **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>
4SRB	4 Stroke Rich Burn
AEL	Allowable Emission Limit
ASC	Actual Stack Concentration
bhp-hr	Brake Horsepower Hour
CAIR	Clean Air Interstate Rule
CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
CO	Carbon Monoxide
CT	Connecticut
DEEP	Department of Environmental Protection
DERC	Discrete Emission Reduction Credit
EPA	Environmental Protection Agency
EOP	Emergency Preparedness and Operations
EU	Emissions unit
FLER	Full Load Emission Rate
gal	Gallon
GEU	Grouped Emissions Unit
gm	Gram
HAP	Hazardous Air Pollutant
hr	Hour
HP	Horsepower
ICE	Internal Combustion Engine
kW	Kilowatt
lb	Pound
LPG	Liquid Propane Gas
MASC	Maximum Allowable Stack Concentration
min	Minute
MMBtu	Million British Thermal Units
mmHg	Millimeters of Mercury
MW	Megawatt
NATS	NO <sub>x</sub> Allowance Tracking System
NO <sub>x</sub>	Nitrogen Oxides
NERC	North American Electric Reliability Corporation
NSR	New Source Review
PM	Particulate Matter
PM <sub>10</sub>	Particulate Matter less than 10 microns
PM <sub>2.5</sub>	Particulate Matter less than 2.5 microns
PPM	Parts Per Million
RCSA	Regulations of Connecticut State Agencies
RICE	Reciprocating Internal Combustion Engine
SIC	Standard Industrial Classification Code
SO <sub>2</sub>	Sulfur Dioxide
SO <sub>x</sub>	Sulfur Oxides
tpy	Tons Per Year
TSP	Total Suspended Particulate
VOC	Volatile Organic Compound
yr	Year

## **Section I: Premises Information/Description**

### **A. PREMISES INFORMATION**

Nature of Business: Electric Power Generation  
Primary SIC: 4911

Facility Mailing Address: Rope Ferry Road, Waterford, CT 06385  
Telephone Number: (860) 447-1791

### **B. PREMISES DESCRIPTION**

Dominion Nuclear Connecticut, Inc. (DNC) operates a nuclear fueled electric generating facility known as Millstone Power Station in Waterford, CT. The facility presently operates two nuclear reactors (Unit 2 and Unit 3) generating a total of approximately 2,000 MW. Although these two nuclear electric generating units produce no significant emissions regulated under Title V, DNC operates a number of auxiliary and supplemental fossil fuel fired combustion units and other process sources that support the operation and potentially emit regulated air pollutants into the atmosphere.

DNC operates two permitted auxiliary boilers under Trading Agreement and Order No. 8328 and subject to 40 CFR Part 63 Subpart JJJJJ and a small oil fired boiler subject to the tune-up requirements of 40 CFR Part 63 Subpart JJJJJ. DNC also operates seven large emergency diesel generators and several small diesel or propane fired generators. All the stationary engines are subject to either 40 CFR Part 63 Subpart ZZZZ or 40 CFR Part 60 Subpart IIII depending on the construction date. DNC also operates multiple small internal and external combustion units (including non-road engines) some of which may be brought on and off-site frequently. These small units do not meet permitting applicability.

DNC operates a Fire Training Mock-up Facility and two propane fired water pumps which operate under a permit and the fire pumps are subject to 40 CFR Part 63 Subpart ZZZZ. DNC also operates a gasoline dispensing facility subject to the requirements of 40 CFR Part 63 Subpart CCCCC. Cold parts cleaning units are also used at the premises and those units are subject to RCSA §22a-174-20(1)(3).

## 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 or Regulations into this Title V permit.

<b>TABLE II.A: EMISSIONS UNIT DESCRIPTION</b>						
Emissions Units	Grouped Emissions Units	Emissions Unit Description	Date of Construction	Size Rating/ Design Capacity	Control Unit Description	Permit (P), Order (O) or Regulation
EU-1.4	GEU-1	Auxiliary Boiler for Unit 3 “B&W1” (B&W FM10-79)	1984	79 MMBtu/hr	None	P 199-0007 O 8328 40 CFR Part 63 Subpart JJJJJ
EU-1.5		Auxiliary Boiler for Unit 3 “B&W2” (B&W FM10-79)	1984	79 MMBtu/hr	None	P 199-0008 O 8328 40 CFR Part 63 Subpart JJJJJ
EU-2.3	GEU-2	Emergency Diesel Generator Engine for Unit 2 “A” (Fairbanks Morse 38TD 1/8)	1974	28.5 MMBtu/hr	None	P 199-0055 RCSA §22a-174-22 40 CFR Part 63 Subpart ZZZZ
EU-2.4		Emergency Diesel Generator Engine for Unit 2 “B” (Fairbanks Morse 38TD 1/8)	1974	28.5 MMBtu/hr	None	P 199-0056 RCSA §22a-174-22 40 CFR Part 63 Subpart ZZZZ
EU-2.5		Emergency Diesel Generator Engine for Unit 3 “A” (Colt PC2)	1984	50.7 MMBtu/hr	None	P 199-0009 RCSA §22a-174-22 40 CFR Part 63 Subpart ZZZZ
EU-2.6		Emergency Diesel Generator Engine for Unit 3 “B” (Colt PC2)	1984	50.7 MMBtu/hr	None	P 199-0010 RCSA §22a-174-22 40 CFR Part 63 Subpart ZZZZ
EU-2.7		Station Blackout Diesel Generator Engine for Unit 3 (Electromotive)	1984	24.4 MMBtu/hr	None	P 199-0017 RCSA §22a-174-22 40 CFR Part 63 Subpart ZZZZ
EU-2.8		Emergency Diesel Generator Engine for Unit 1 Spent Fuel Pool Cooling (Volvo)	2000	4 MMBtu/hr	None	RCSA §22a-174-3b(e) RCSA §22a-174-22 40 CFR Part 63 Subpart ZZZZ
EU-2.11	GEU-3	Emergency Diesel Fire Pump (Atlantic Detroit Diesel)	1968	1.3 MMBtu/hr	None	40 CFR Part 63 Subpart ZZZZ
EU-2.13		Emergency Diesel Generator Engine “EOF” (Cummins)	1980	2.1 MMBtu/hr	None	40 CFR Part 63 Subpart ZZZZ

## Section II: Emissions Units Information

<b>TABLE II.A: EMISSIONS UNIT DESCRIPTION</b>						
Emissions Units	Grouped Emissions Units	Emissions Unit Description	Date of Construction	Size Rating/ Design Capacity	Control Unit Description	Permit (P), Order (O) or Regulation
EU-2.12	GEU-4	Emergency Propane Generator Engine for Meteorological Tower (Ford)	1987	0.1 MMBtu/hr	None	40 CFR Part 63 Subpart ZZZZ
EU-2.20		Kohler Sewer Pump Propane Emergency Generator Engine	2001	0.6 MMBtu/hr	None	
EU-2.21		Kohler Security AVB Propane Emergency Generator Engine	2004	0.3 MMBtu/hr	None	
EU-2.14	GEU-5	Fire School Propane Water Pump 1	1994	0.45 MMBtu/hr	None	P 199-0043 40 CFR Part 63 Subpart ZZZZ
EU-2.15		Fire School Propane Water Pump 2	1994	0.45 MMBtu/hr	None	
EU-2.17		Emergency Diesel Generator Engine for Plant Security (Cummins 500DFEK)	2009	4.8 MMBtu/hr	None	RCSA §22a-174-3b(e) RCSA §22a-174-22 40 CFR Part 60 Subpart IIII
EU-2.18	GEU-6	IR750 – U2 Intake Diesel Compressor Engine	2009	1.8 MMBtu/hr	None	40 CFR Part 60 Subpart IIII
EU-2.19		IR260 – Painter’s/Motorpool Diesel Compressor Engine	2008	0.6 MMBtu/hr	None	
EU-4.1		Gasoline Dispensing Facility (Two Above Ground Storage Tanks, Gasoline and Diesel)	1991	3,500 gal ea.	None	40 CFR Part 63 Subpart CCCCCC
EU-5.1		Fire Training Mock-up Facility	1994	93.8 MMBtu/hr	None	P 199-0043
--	GEU-7	Cold Parts Cleaning Operations	Various	Various	None	RCSA §22a-174-20(l)(3)
EU-6		ROB Heating Boiler (Clever Brooks)	1979	3.3 MMBtu/hr	None	40 CFR Part 63 Subpart JJJJJJ

## Section II: Emissions Units Information

### B. OPERATING SCENARIO IDENTIFICATION

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

<b>TABLE II.B: OPERATING SCENARIO IDENTIFICATION</b>	
<b>Emissions Units Associated with the Scenario</b>	<b>Description of Scenario</b>
All emissions units listed in Section II.A, Table II.A of this Title V permit.	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. GROUPED EMISSIONS UNIT 1 (GEU-1 – EU-1.4 and EU-1.5)**

**(Auxiliary Boiler for Unit 3 “B&W1” & Auxiliary Boiler for Unit 3 “B&W2”)**

##### **1. Maximum Annual Fuel Consumption**

###### *a. Limitation or Restriction*

The maximum annual fuel consumption of No. 4 Oil, or Blend of No. 4 Oil with Other Oil, or Other Oil shall not exceed 2,864,520 gallons, for all fuels combined, over any consecutive 12 month period for each unit in GEU-1. “Other Oil” is defined in RCSA §22a-174-22(a). [P 199-0007, P 199-0008]

###### *b. Monitoring Requirements*

The Permittee shall continuously monitor fuel consumption to each unit in GEU-1 using a non-resettable totalizing fuel meter or equivalent methods capable of demonstrating compliance with the fuel usage limitation in Section III.A.1.a of this Title V permit. [P 199-0007, P 199-0008]

###### *c. Record Keeping Requirements*

The Permittee shall keep records of monthly and consecutive 12 month fuel consumption for each unit in GEU-1. The consecutive 12 month fuel consumption for each unit in GEU-1 shall be determined by adding (for each fuel) the current month’s fuel consumption to that of the previous 11 months and totaling the consumption for all fuels combined. The Permittee shall make these calculations within 30 days of the end of the previous month. [P 199-0007, P 199-0008]

##### **2. Maximum Allowable Fuel Firing Rate**

###### *a. Limitation or Restriction*

The maximum allowable fuel firing rate shall not exceed 480 gal/hr for each unit in GEU-1. [P 199-0007, P 199-0008]

###### *b. Monitoring Requirements*

The Permittee shall continuously monitor fuel consumption to this unit using a non-resettable totalizing fuel meter or equivalent methods capable of demonstrating compliance with the fuel usage limitation in Section III.A.2.a of this Title V permit. [P 199-0007, P 199-0008]

###### *c. Record Keeping Requirements*

The Permittee shall maintain records sufficient to determine compliance with the fuel usage limitation in Section III.A.2.a of this Title V permit. [RCSA §22a-174-33(j)(1)(K)]

### Section III: Applicable Requirements and Compliance Demonstration

#### 3. Maximum Fuel Sulfur Content

*a. Limitation or Restriction*

The maximum fuel sulfur content of any distillate fuel burned by the units in GEU-1 shall not exceed 0.05% by weight, dry basis. On and after July 1, 2018, the maximum fuel sulfur content of any distillate fuel burned by the units in GEU-1 shall not exceed 0.0015% by weight, dry basis.  
[RCSA §22a-174-19b(d)(1)]

*b. Monitoring Requirements*

The Permittee shall monitor the sulfur content in the fuel burned in each unit in GEU-1 by keeping the records required in Section III.A.3.c of this Title V permit. [RCSA §22a-174-33(j)(1)(K)]

*c. Record Keeping Requirements*

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 units in GEU-1 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 199-0007, P 199-0008]

#### 4. Criteria Pollutant Maximum Allowable Emissions

*a. Limitation or Restriction*

i. Emissions for EU-1.4 shall not exceed:

	<u>lb/hr</u>	<u>lb/MMBtu</u>	<u>tpy</u>
PM	2.89	0.04	8.6
PM <sub>10</sub>	2.89	0.04	8.6
PM <sub>2.5</sub>	1.88	0.03	5.6
SO <sub>2</sub>	36.00	0.52	107.4
NO <sub>x</sub>	20.18	0.29	60.2
VOC	0.10	0.001	0.3
CO	2.40	0.03	7.2

[P 199-0007]

ii. Emissions for EU-1.5 shall not exceed:

	<u>lb/hr</u>	<u>lb/MMBtu</u>	<u>tpy</u>
PM	2.89	0.04	8.6
PM <sub>10</sub>	2.89	0.04	8.6
PM <sub>2.5</sub>	1.88	0.03	5.6
SO <sub>2</sub>	36.00	0.52	107.4
NO <sub>x</sub>	22.27	0.32	66.5
VOC	0.10	0.001	0.3
CO	2.40	0.03	7.2

[P 199-0008]

### **Section III: Applicable Requirements and Compliance Demonstration**

#### *b. Monitoring Requirements*

- i. The Permittee shall operate and maintain this equipment in accordance with the manufacturer's specifications and operating requirements. [P 199-0007, P 199-0008]
- ii. The Permittee shall calculate the emission rates using emission factors from the following sources:
  - NO<sub>x</sub>: FLER set by Trading Agreement and Order No. 8328
  - PM, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, VOC, CO: AP-42, 5<sup>th</sup> Edition, Section 1.3, May 2010

The commissioner may require other means (e.g. stack testing) to demonstrate compliance with the emission limits in Section III.A.4.a of this Title V permit, as allowed by state or federal statute, law or regulation. [P 199-0007, P 199-0008]

#### *c. Record Keeping Requirements*

The Permittee shall calculate and record the monthly and consecutive 12 month PM, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, VOC, and CO emissions in units of tons for each unit in GEU-1. The consecutive 12 month emissions for each unit in GEU-1 shall be determined by adding (for each pollutant) the current month's 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 199-0007, P 199-0008]

### **5. Hazardous Air Pollutants**

#### *a. Limitation or Restriction*

The units in GEU-1 shall not cause an exceedance of the Maximum Allowable Stack Concentration (MASC) for any hazardous air pollutant (HAP) emitted and listed in RCSA §22a-174-29. (State Only Requirement) [P 199-0007, P 199-0008]

#### *b. Monitoring Requirements*

The Permittee shall calculate the ASC and MASC of each HAP listed in Tables 29-1, 29-2 or 29-3 of RCSA §22a-174-29 that is emitted by any units in GEU-1. The Permittee shall demonstrate, by comparing the results from such calculations, that the ASC of each HAP does not exceed the appropriate MASC. [RCSA §22a-174-33(j)(1)(K)]

#### *c. Record Keeping Requirements*

The Permittee shall make and keep records of the ASC and MASC calculations for each HAP listed in RCSA §22a-174-29 Tables 29-1, 29-2 or 29-3 emitted by any units in GEU-1. [RCSA §22a-174-33(j)(1)(K)]

### **6. Opacity**

#### *a. Limitation or Restriction*

Opacity resulting from operation of the units in GEU-1 shall not exceed 20% during any six-minute block average or 40% reduced to a one-minute block average; as measured by 40 CFR Part 60, Appendix A, Reference Method 9. (State Only Requirement) [P 199-0007, P 199-0008]

### Section III: Applicable Requirements and Compliance Demonstration

*b. Monitoring Requirements*

If required by the commissioner, the Permittee shall measure opacity using 40 CFR Part 60, Method 9 stack test. [RCSA §22a-174-5(e)(2); RCSA §22a-174-33(j)(1)(K)]

*c. Record Keeping Requirements*

The Permittee shall maintain records of the opacity tests required in Section III.A.6.b of this Title V permit. Such records shall include the dates, times, and places of all visible emission observations, persons performing the observations, test methods used, the operating conditions at the time of observation, and the results of such observation. [RCSA §22a-174-33(j)(1)(K)]

**7. NO<sub>x</sub>**

*a. Limitation or Restriction*

The Permittee shall comply with a NO<sub>x</sub> Allowable Emission Limit (AEL) of 0.225 lb/MMBtu by means of emissions trading in accordance with Trading Agreement and Order No. 8328 [O 8328]

*b. DERC Requirements*

- i. The Permittee shall use Table III.A.7 below when complying with Section III.A.7.a of this Title V permit: [O 8328]

<b>Table III.A.7 – FLER AND NO<sub>x</sub> ALLOWABLE EMISSION LIMITS</b>							
EU No.	Fuel	Heat Input MMBtu/hr	Stack Test Rate lb/MMBtu	FLER lb/MMBtu	AEL lb/MMBtu	Date of Last Stack Test	Date of Next Stack Test
EU 1.4	No. 4 Oil, blend of No.4 oil	69.6	0.26	0.29	0.225	8/14/2009	8/15/2014
EU 1.5	w/other oil, or other oil	69.6	0.26	0.32	0.225	8/13/2009	8/14/2014

- ii. The Permittee may only use emissions trading, subject to the provisions of Order No. 8328, until the date of expiration of Order No. 8328. The date of expiration of Order No. 8328 shall be the earlier of:
  - (A) December 31, 2016;
  - (B) The date upon which the Permittee demonstrates to the commissioner’s satisfaction that actual NO<sub>x</sub> emissions from each emissions unit, at all times, do not exceed the corresponding AEL(s);
  - (C) The date specified in any written notice from the commissioner stating that the Permittee is no longer allowed to use emissions trading due to the Permittee’s violation of any provision of Order No. 8328; or
  - (D) The date specified in any written notice from the commissioner, notifying the Permittee that the commissioner has determined the use of emissions trading as a compliance option has been further restricted, modified or nullified by:

### **Section III: Applicable Requirements and Compliance Demonstration**

- (1) the promulgation of an Act, Statute, or Regulations; or
  - (2) the issuance of a judgment or court order. [O 8328]
- iii. The Permittee shall obtain and use sufficient DERCs and/or allowances in such a manner as to comply with Section III.A.7.b.ix and Section III.A.7.b.x of this Title V permit. All allowances used must come from an emissions unit that is within the same ozone nonattainment area as the Permittee. The Permittee may only use allowances that were allocated for the control period that occurs during the same year that those allowances are used for compliance with Order No. 8328. All DERCs used during the ozone season, shall have been generated during an ozone season by the operation of an emissions unit that is not a CAIR NO<sub>x</sub> ozone season unit as defined in RCSA §22a-174-22c. Additionally, for the emissions units in GEU-1, the Permittee shall only add “other oil”, as defined in RCSA §22a-174-22, to the fuel oil storage tanks supplying those units. [O 8328]
- iv. The Permittee shall obtain a General Account or Compliance Account in the NATS prior to using allowances in accordance with Section III.A.7.b.ix of this Title V permit. [O 8328]
- v. For the purposes of compliance with RCSA §22a-174-22 and the provisions of Order No. 8328, DERCs shall only remain valid for five calendar years from the year of the generation of such DERCs. DERCs older than five calendar years from their creation are not valid for use for compliance with RCSA §22a-174-22 and the provisions of Order No. 8328. [O 8328]
- vi. The Permittee shall not cause or allow actual NO<sub>x</sub> emissions from the operation of the emissions units in GEU-1 to exceed the corresponding FLERs. Compliance with the corresponding FLERs specified in Table III.A.7, Section III.A.7.b.i of this Title V permit shall be determined based on results of emissions testing performed in accordance with RCSA §22a-174-22 or NO<sub>x</sub> emissions monitored and recorded by a continuous emission monitoring system that was approved by the commissioner and that complies with RCSA §22a-174-4 and either 40 CFR Part 60, Appendices B & F or 40 CFR Part 75. [O 8328]
- vii. Notwithstanding the provisions of Section III.A.7.b.iii of this Title V permit, when operating emissions units in GEU-1 during the ozone season, the Permittee shall operate those units while firing or co-firing the lowest NO<sub>x</sub> emitting fuel type or combination of fuel types that the units are authorized to burn in accordance with departmental permit, registration, or applicable regulation. With respect to the emissions units in GEU-1 the Permittee shall be deemed to be in compliance with this paragraph provided that the respondent demonstrates that “other oil”, as defined in RCSA §22a-174-22, has been the only fuel added to the tanks that supply those emissions units. [O 8328]
- viii. Notwithstanding Section III.A.7.b.vii of this Title V permit, during the ozone season, the Permittee may operate the emissions units in GEU-1 on fuels that result in higher emissions of NO<sub>x</sub>, if either:
  - (A) the availability of fuel oil that complies with Section III.A.7.b.vii of this Title V permit is inadequate to meet the needs of residential, commercial and industrial users in the state and that such inadequate supply constitutes an emergency, or
  - (B) the supply of gaseous fuels to the emissions units is interrupted due to inadequate supply or in accordance with an interruptible supply agreement between the Permittee and the gaseous fuel supplier. [O 8328]

### Section III: Applicable Requirements and Compliance Demonstration

ix. The Permittee shall, on the first day of each calendar month, possess a quantity of DERCs and/or allowances that equals or exceeds the quantity of actual DERCs/allowances required in that month. Compliance shall be determined as follows:

(A) Before the first day of each month, the Permittee shall estimate DERCs and/or allowances required for such calendar month for the units in GEU-1 using the corresponding FLER and AEL from Table III.A.7, Section III.A.7.b.i of this Title V permit as follows:

Estimated DERCs/allowances required (tons) =

$$\{(\text{Estimated fuel use in MMBtu}) \times ((\text{FLER}) - (0.95 \times \text{AEL}))\} \div 2000 \text{ lb/ton}$$

Where:

AEL = allowable emission limit as shown in Table III.A.7, Section III.A.7.b.i of this Title V permit

FLER = full load emission rate as shown in Table III.A.7, Section III.A.7.b.i of this Title V permit

Discount (0.95) = 5% design margin applied to the AEL

(B) No later than the twentieth day of each month, the Permittee shall calculate actual DERCs and/or allowances used in the preceding calendar month for each unit in GEU-1 using the corresponding FLER and AEL from Table III.A.7, Section III.A.7.b.i of this Title V permit as follows:

Actual DERCs/allowances Required (tons) =

$$\{(\text{actual fuel use in MMBtu}) \times ((\text{FLER}) - (0.95 \times \text{AEL}))\} \div 2000 \text{ lb/ton}$$

(C) At the end of each calendar year, the Permittee shall demonstrate that any allowances used for compliance during the year are surplus, quantifiable, enforceable and permanent. This shall be determined by demonstrating that the seller's actual NOx emissions during the ozone season as reported to EPA were equal to or less than the amount of allowances allocated to the seller by the State of Connecticut minus the allowances purchased by the Permittee. [O 8328]

x. On or before January 31 of each calendar year, the Permittee shall deduct a quantity of DERCs from the current balance of DERCs possessed by the Permittee and/or transfer a quantity of allowances from the Permittee's NOx General Account to the CT State NOx Retirement Account (Account ID CT0000000300 in the CAIR NATS) such that the total is equal to the sum of Actual DERCs/allowances required pursuant to Section III.A.7.b.ix of this Title V permit for the preceding calendar year, rounded up to the nearest whole ton. [O 8328]

xi. If the actual DERCs/allowances required for any month, as determined in accordance with Section III.A.7.b.ix of this Title V permit, exceeds the quantity of DERCs and/or allowances in the Permittee's possession on the first day of that month, then in addition to the deduction or transfer specified in Section III.A.7.b.x of this Title V permit, the Permittee shall deduct a quantity of DERCs from the current balance of DERCs possessed by the Permittee and/or transfer a quantity of allowances from the Permittee's NOx General Account to the CT State NOx Retirement Account (Account ID CT0000000300 in the CAIR NATS) such that the total is equal to actual DERCs/allowances required for that month.

Such additional DERC deduction or allowance transfer shall be performed at the same time as the DERC deduction or allowance transfer specified in Section III.A.7.b.x of this Title V permit.

### **Section III: Applicable Requirements and Compliance Demonstration**

Notwithstanding the provisions of Section III.A.7.b.xi of this Title V permit, any violation of Section III.A.7.b.ix of this Title V permit may be subject to additional enforcement action as may be deemed appropriate by the commissioner in accordance with the DEEP's enforcement response policy. [O 8328]

- xii. Violation of an established FLER shall subject the Permittee to make restitution by matching the quantity of emissions ("true up") caused by the exceedance plus a 100% premium. The true up in tons of DERCs or allowances shall be equal to the FLER exceedance in lb/MMBtu, multiplied by the total heat input during the period of noncompliance divided by 2000 lbs/ton. If the period of noncompliance is not known, the time period from the completion of the last/previous Department witnessed emission test through the date that FLER compliance is achieved as approved by the commissioner shall be used. Notwithstanding this requirement, exceedance of any FLER contained in Table III.A.7, Section III.A.7.b.i of this Title V permit is a violation in Section III.A.7.a.vi subject to enforcement action in accordance with the DEEP's enforcement response policy in effect at the time of such violation. [O 8328]
- xiii. The Permittee may modify the FLERs set forth in Table III.A.7, Section III.A.7.b.i of this Title V permit only after the consent of the commissioner by written modification of Order No. 8328 [O 8328]

#### *c. Monitoring Requirements*

- i. The Permittee shall perform maintenance and inspection of each emissions unit in GEU-1 at least once before the expiration of Order No. 8328. Such maintenance and inspection shall include the following:
  - (A) Inspect the combustion system, and clean or replace any components of the combustion system as necessary, in accordance with manufacturer's specification or current good engineering practice;
  - (B) Inspect the system controlling the air-to-fuel ratio, and ensure that it is calibrated and functioning in accordance with the manufacturer's specifications or current good engineering practice; and
  - (C) Measure the operating parameters of the emissions unit used to determine that the emissions unit is operating in accordance with the manufacturer's specification or current good engineering practice prior to and after any adjustments are made during maintenance, tune-up, or inspection activity. [O 8328]
- ii. The Permittee shall perform emissions testing in accordance with RCSA §22a-174-22(k) for each emissions unit in GEU-1 that is not equipped with a continuous emissions monitoring system that was approved by the commissioner and that complies with RCSA §22a-174-4 and either 40 CFR Part 60, Appendices B & F or 40 CFR Part 75. [O 8328]
- iii. The Permittee shall conduct emissions tests at least once every five years. Such tests shall be conducted no later than five years from the date of the last test for each emissions unit in GEU-1 or no later than five years from the date the last test for the each unit should have been conducted, whichever is earlier. Compliance with the emission limitations of RCSA §22a-174-22 shall be determined based on the average of three one-hour tests, each performed over a consecutive 60-minute period and performed in accordance with RCSA §22a-174-5(b)(7). [RCSA §22a-174-22(k)(1)]

### **Section III: Applicable Requirements and Compliance Demonstration**

- iv. The Permittee shall demonstrate compliance with emission limitations of RCSA §22a-174-22 using sampling and analytical procedures approved under 40 CFR Part 60, Appendix A. Sampling shall be conducted when the source is at normal operating temperature and is operating at or above 90% of maximum capacity or alternative maximum capacity approved by the commissioner. Notwithstanding such requirement, any source which has operated in excess of 100% of its maximum capacity at any time since May 31, 1995 shall be tested when the source is operating at or above 90% of its highest operating rate since May 31, 1995. [RCSA §22a-174-22(k)(2)]

#### *d. Record Keeping Requirements*

- i. The Permittee shall make and keep records for any maintenance or inspections conducted in accordance with Section III.A.7.c.i of this Title V permit including, but not limited to, the following:
  - (A) Demonstration that any maintenance, tune-up, or inspection activity has been performed in accordance with the manufacturer's specifications, current good engineering practice, or facility-specific maintenance directive;
  - (B) The date and a description of any maintenance, tune-up and/or inspection activity performed;
  - (C) The name, title and affiliation of the person conducting any maintenance, tune-up and/or inspection activity; and
  - (D) The operating parameters of the emissions unit used to determine that the emissions unit is operating in accordance with manufacturer's specification, current good engineering practice, or facility-specific maintenance directive prior to and after any adjustments made during any maintenance, tune-up and/or inspection activity. [O 8328]
- ii. The Permittee shall, by the close of each calendar day, record the actual fuel type and the actual quantity of each type of fuel in units of volume per day or MMBtu per day for each fuel used by any emissions unit in GEU-1. [O 8328]
- iii. The Permittee shall, on or before the first day of each calendar month, record the number of DERCs and corresponding serial numbers and vintages for all DERCs in its possession on the first calendar day of that calendar month. [O 8328]
- iv. The Permittee shall, on or before the first day of each calendar month, record the number of allowances and corresponding identification numbers and vintages for all allowances in its possession on the first calendar day of the calendar month. [O 8328]
- v. The Permittee shall, on or before the first day of each calendar month, record the number of DERCs and corresponding serial numbers, vintages, purchase/sales dates, and seller/buyer for all DERCs purchased or sold during the preceding calendar month. [O 8328]
- vi. The Permittee shall, on or before the first day of each calendar month, record the quantity and type of any fuel oil added to the storage tanks servicing the emissions units in GEU-1, the number of allowances and corresponding identification numbers, purchase/sales dates, allocation years, and seller/buyer for all allowances purchased or sold during the preceding calendar month. [O 8328]
- vii. The Permittee shall, on or before the first day of each calendar month, record the estimated DERCs/allowances required for that calendar month determined in accordance with Section III.A.7.b.ix of this Title V permit. [O 8328]



### **Section III: Applicable Requirements and Compliance Demonstration**

- viii. The Permittee shall, on or before the twentieth calendar day of each calendar month, record the actual DERCS/allowances required for the preceding calendar month determined in accordance with Section III.A.7.b.ix of this Title V permit. [O 8328]
- ix. The Permittee shall, on or before January 31 of each calendar year, record the quantity of DERCS deducted in accordance with Section III.A.7.b.x and Section III.A.7.b.xi of this Title V permit. Such records shall include the serial number and vintage of each DERCS deducted from the Permittee's current balance pursuant to Section III.A.7.b.x and Section III.A.7.b.xi of this Title V permit. [O 8328]
- x. The Permittee shall, on or before January 31 of each calendar year, record the quantity of allowances transferred in accordance with Section III.A.7.b.x and Section III.A.7.b.xi of this Title V permit. Such records shall include the identification number and allocation year of each allowance transferred pursuant to Section III.A.7.b.x and Section III.A.7.b.xi of this Title V permit. [O 8328]
- xi. The Permittee shall, for each month of the ozone season, maintain records attesting to the fact that any DERCS deducted from its balance in accordance with Section III.A.7.b.x and Section III.A.7.b.xi of this Title V permit were created during an ozone season. Generator certification of this fact shall be sufficient. [O 8328]
- xii. The Permittee shall, for each day during the ozone season that the Permittee operates in accordance with Section III.A.7.b.viii of this Title V permit, make and keep records of all emissions unit operation in accordance with Section III.A.7.b.viii of this Title V permit, including copies of any written correspondence from the Permittee's fuel supplier detailing the duration and circumstances of the inadequate fuel oil supply or interruption of gaseous fuel supply to the emissions units. [O 8328]
- xiii. The Permittee shall maintain records of all tune-ups, repairs, replacement of parts and other maintenance for each emissions unit in GEU-1. [RCSA §22a-174-22(1)(D)]
- xiv. The Permittee shall maintain copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22. [RCSA §22a-174-22(1)(E)]
- xv. The Permittee shall maintain records of procedures for calculating monthly and annual NO<sub>x</sub> emissions in accordance with RCSA §§22a-174-22(1)(B) and (C). [RCSA §22a-174-22(1)(G)]
- xvi. The Permittee shall maintain records of the dates, times, and places of all emission testing as required by 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)(H)]

#### *e. Reporting Requirements*

- i. The Permittee shall, no later than March 1 of every year, submit to the commissioner a written report containing copies of all the records required by Sections III.A.7.d.ii through xii of this Title V permit. The commissioner may prescribe the forms to be used for the submission of these reports. The Permittee shall submit these reports on such forms, if prescribed by the commissioner. [O 8328]

### **Section III: Applicable Requirements and Compliance Demonstration**

- ii. Until the Permittee has fully complied with Order No. 8328, the Permittee shall notify the commissioner in writing no later than 15 days after transferring all or any portion of the facility, the operations, the site or the business which is the subject of Order No. 8328 or after obtaining a new mailing or location address. The Permittee's obligations shall not be affected by the passage of title to any property to any other person or municipality. [O 8328]
- iii. Within 15 days of the date the Permittee becomes aware of a change in any information submitted to the commissioner under Order No. 8328, or that any such information was inaccurate or misleading or that any relevant information was omitted, the Permittee shall submit the correct or omitted information to the commissioner. [O 8328]
- iv. In the event that the Permittee becomes aware that it did not or may not comply, or did not or may not comply on time, with any requirement of Order No. 8328 or of any document required thereunder, the Permittee shall immediately notify by telephone the section identified in Order No. 8328 and shall take all reasonable steps to ensure that any noncompliance or delay is avoided or, if unavoidable, is minimized to the greatest extent possible. Within five days of the initial notice, the Permittee shall submit in writing the date, time, and duration of the noncompliance and the reasons for the noncompliance or delay and propose, for the review and written approval of the commissioner, dates by which compliance will be achieved, and the Permittee shall comply with any dates which may be approved in writing by the commissioner. Notification by the Permittee shall not excuse noncompliance or delay, and the commissioner's approval of any compliance dates proposed shall not excuse noncompliance or delay unless specifically so stated by the commissioner in writing. [O 8328]
- v. The Permittee shall submit a written report of the results of emissions tests required in Section III.A.7.c.ii of this Title V permit to the commissioner within 30 days of completion of such emission tests. [RCSA §22a-174-22(1)(2)]
- vi. The Permittee shall submit a report on NO<sub>x</sub> emissions, on a form provided by the commissioner, on or before April 15 of each year. [RCSA §22a-174-22(1)(6)]

#### **8. 40 CFR Part 63 Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

(Boiler Classification: Existing oil-fired boiler at an area source with heat input capacity greater than 10 MMBtu/hr)

##### *a. Limitation or Restriction*

The Permittee shall conduct an initial tune-up on each boiler in GEU-1 as specified in 40 CFR §63.11214, and conduct a tune-up of each boiler biennially as specified in 40 CFR §63.11223(b). The Permittee must conduct the tune-up while burning the type of fuel (or fuels in the case of boilers that routinely burn two types of fuels at the same time) that provided the majority of the heat input to each boiler over the 12 months prior to the tune-up.  
[40 CFR §63.11201(b); 40 CFR Part 63 Subpart JJJJJJ, Table 2, Condition 4; 40 CFR §63.11223(a)]

### **Section III: Applicable Requirements and Compliance Demonstration**

#### *b. Monitoring and Testing Requirements*

The Permittee, at all times, shall operate and maintain each boiler in GEU-1 in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the Permittee to make any further efforts to reduce emissions if levels required by 40 CFR Part 63 Subpart JJJJJ have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that 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 §63.11205(a)]

#### *c. Record Keeping Requirements*

- i. The Permittee shall keep, as required in 40 CFR §63.10(b)(2)(xiv), a copy of each notification and report that is submitted to comply with 40 CFR Part 63 Subpart JJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status that is submitted. [40 CFR §63.11225(c)(1)]
- ii. The Permittee shall keep records that identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which each boiler was tuned. [40 CFR §63.11225(c)(2)(i)]
- iii. The Permittee shall keep a copy of the energy assessment report required by 40 CFR §63.11201(b). [40 CFR §63.11225(c)(2)(iii)]
- iv. The Permittee shall keep records of the occurrence and duration of each malfunction of each boiler. [40 CFR §63.11225(c)(4)]
- v. The Permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in Section III.A.8.b of this Title V permit, including corrective actions to restore the malfunctioning boiler to its normal or usual manner of operation. [40 CFR §63.11225(c)(5)]

#### *d. Reporting Requirements*

- i. The Permittee shall prepare a biennial compliance certification report, by March 1 of each biennial year and submitted to the delegated authority upon request, containing the following information:
  - (A) Company name and address;
  - (B) Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of 40 CFR Part 63 Subpart JJJJJ. The notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official:
    - (1) "This facility complies with the requirements in 40 CFR §63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler."
    - (2) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."
    - (3) "This facility complies with the requirements in 40 CFR §§63.11214(d) and 63.11223(g) to minimize the boiler's time spent during startup and shutdown and to conduct startups and shutdowns according to the manufacturer's recommended

### Section III: Applicable Requirements and Compliance Demonstration

procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are not available.” [40 CFR §63.11225(b)]

- ii. If the Permittee has switched fuels or made a physical change to any boiler in GEU-1 and the fuel switch or change resulted in the applicability of a different subcategory within 40 CFR Part 63 Subpart JJJJJ, in the boiler becoming subject to 40 CFR Part 63 Subpart JJJJJ, or in the boiler switching out of 40 CFR Part 63 Subpart JJJJJ due to a change to 100 percent natural gas, or the Permittee has taken a permit limit that resulted in the Permittee being subject to 40 CFR Part 63 Subpart JJJJJ, the Permittee must provide notice of the date upon which the Permittee switched fuels, made the physical change, or took a permit limit within 30 days of the change. The notification must identify:
  - (A) The name of the owner or operator of the affected source, the location of the source, the boiler(s) that have switched fuels, were physically changed, or took a permit limit, and the date of the notice; and
  - (B) The date upon which the fuel switch, physical change, or permit limit occurred.[40 CFR §63.11225(g)]

#### **B. GROUPED EMISSIONS UNIT 2 (GEU-2 – EU-2.3 through EU-2.7)**

**(Emergency Diesel Generator Engines for Unit 2 “A” & “B”, Emergency Diesel Generator Engines for Unit 3 “A” & “B”, Station Blackout Diesel Generator Engine for Unit 3)**

##### **1. Maximum Fuel Consumption**

###### *a. Limitation or Restriction*

- i. For EU-2.3 and EU-2.4:

The maximum diesel fuel usage shall not exceed 1,450 lb/hr and 49,250 gal/yr for each engine.

Note: Generator load levels are used to verify hourly fuel use. EU-2.3 and EU-2.4 typically are test run at loads of up to 2,750 kW. In accordance with the Nuclear Regulatory Commission guidelines for load qualification testing of safety-related emergency generators, these units must also be test run for a brief time at approximately 18-month intervals at approximately 110% of its normal operating range (up to 3,050 kW). Shorter duration tests may also be performed at this level following certain maintenance procedures. Fuel consumption calculations at this load level are calculated to be up to 1,600 pounds per hour.

Calculations of emission limits and rates assume maximum nominal load in the normal operating range (2,750 kW) to be equivalent to a maximum firing rate of 215 gallons of diesel per hour.  
[P 199-0055, P 199-0056]

### **Section III: Applicable Requirements and Compliance Demonstration**

- ii. For EU-2.5 and EU-2.6:

The maximum diesel fuel usage shall not exceed 2,608 lb/hr and 150,000 gal/yr for each engine.

Note: Generator load levels are used to verify hourly fuel use. EU-2.5 and EU-2.6 typically are test run at loads of up to 5,000 kW. In accordance with the Nuclear Regulatory Commission guidelines for load qualification testing of safety-related emergency generators, these units must also be test run for a brief time at approximately 18-month intervals at approximately 110% of its normal operating range (up to 5,500 kW). Shorter duration tests may also be performed at this level following certain maintenance procedures. Fuel consumption calculations at this load level are calculated to be up to 2,871 pounds per hour.

Calculations of emission limits and rates assume maximum nominal load in the normal operating range (5,000 kW) to be equivalent to a maximum firing rate of 380 gallons of diesel per hour.

[P 199-0009, P 199-0010]

- iii. For EU-2.7:

The maximum diesel fuel usage shall not exceed 1,223 lb/hr and 16,560 gal/yr.

Note: Generator load levels are used to verify hourly fuel use. EU 2.7 typically is test run at load of up to 2,360 kW. In accordance with the Nuclear Regulatory Commission guidelines for load qualification testing of safety-related emergency generators, this unit must also be test run for a brief time at approximately 18-month intervals at approximately 110% of its normal operating range (up to 2,574 kW). Shorter duration tests may also be performed at this level following certain maintenance procedures. Fuel consumption calculations at this load level are calculated to be up to 1,269 pounds per hour.

Calculations of emission limits and rates assume maximum nominal load in the normal operating range (2,360 kW) to be equivalent to a maximum firing rate of 177.8 gallons of diesel per hour.

[P 199-0017]

#### *b. Monitoring Requirements*

When more than one fuel supply tank is to service each source or when multiple sources are supplied by one fuel tank, the Permittee shall use a non-resettable runtime hour meter or totalizing fuel metering device to continuously monitor fuel feed to each engine in GEU-2. If an hour meter is used, calculate fuel use at the maximum firing rate as specified in Section III.B.1.a of this Title V permit.

[P 199-0009, P 199-0010, P 199-0017, P 199-0055, P 199-0056]

#### *c. Record Keeping Requirements*

The Permittee shall keep records of monthly and consecutive 12 month fuel consumption for each engine in GEU-2. The consecutive 12 month fuel consumption shall be determined by adding the current month's fuel consumption to that of the previous 11 months for each engine in GEU-2. The Permittee shall make these calculations within 30 days of the end of the previous month.

[P 199-0009, P 199-0010, P 199-0017, P 199-0055, P 199-0056]

## **2. Maximum Fuel Sulfur Content**

### *a. Limitation or Restriction*

The maximum fuel sulfur content of any fuel burned by the engines in GEU-2 shall not exceed 0.05% by weight, dry basis. On and after July 1, 2018, the maximum fuel sulfur content of any fuel burned by the

### Section III: Applicable Requirements and Compliance Demonstration

engines in GEU-2 shall not exceed 0.0015% by weight, dry basis [RCSA §22a-174-19b(d)(1)]

*b. Monitoring Requirements*

The Permittee shall monitor the sulfur content in the fuel burned in each engine in GEU-2 by keeping the records required in Section III.B.2.c of this Title V permit. [RCSA §22a-174-33(j)(1)(K)]

*c. Record Keeping Requirements*

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 engines in GEU-2 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 199-0009, P 199-0010, P 199-0017, P 199-0055, P 199-0056]

### 3. Emergency Operation Restriction

*a. Limitation or Restriction*

The engines in GEU-2 shall only be operated during periods of testing and scheduled maintenance or during an emergency. “Emergency engine” and “emergency” are defined in RCSA §22a-174-22(a). [P 199-0009, P 199-0010, P 199-0017, P 199-0055, P 199-0056]

*b. Monitoring Requirements*

The Permittee shall monitor the operation of each engine in GEU-2 by keeping the records required in Section III.B.3.c of this Title V permit. [RCSA §22a-174-33(j)(1)(K)]

*c. Record Keeping Requirements*

The Permittee shall maintain a record of the date and type of emergency during which each engine in GEU-2 is operated. [P 199-0009, P 199-0010, P 199-0017, P 199-0055, P 199-0056]

### 4. Criteria Pollutant Maximum Allowable Emissions

*a. Limitation or Restriction*

i. For EU-2.3 and EU-2.4, emissions shall not exceed:

	<u>lb/hr</u>	<u>tpy</u>
PM	3.0	0.34
PM <sub>10</sub>	3.0	0.34
PM <sub>2.5</sub>	3.0	0.34
SO <sub>2</sub>	9.0	1.02
NO <sub>x</sub>	77.2	8.84
VOC	2.7	0.31
CO	25.1	2.88

[P 199-0055, P 199-0056]

### Section III: Applicable Requirements and Compliance Demonstration

- ii. For EU-2.5 and EU-2.6, emissions shall not exceed:

	<u>lb/hr</u>	<u>tpy</u>
PM	5.3	1.05
PM <sub>10</sub>	5.3	1.05
PM <sub>2.5</sub>	5.3	1.05
SO <sub>2</sub>	15.8	3.12
NO <sub>x</sub>	122.3	24.14
VOC	4.7	0.93
CO	44.3	8.74

[P 199-0009, P 199-0010]

- iii. For EU-2.7, emissions shall not exceed:

	<u>lb/hr</u>	<u>tpy</u>
PM	2.4	0.11
PM <sub>10</sub>	2.4	0.11
PM <sub>2.5</sub>	2.4	0.11
SO <sub>2</sub>	7.4	0.35
NO <sub>x</sub>	107.2	5.00
VOC	2.2	0.10
CO	20.7	0.96

[P 199-0017]

#### *b. Monitoring Requirements*

- i. The Permittee shall operate and maintain the engines in GEU-2 in accordance with the manufacturer's specifications and written recommendations.  
[P 199-0009, P 199-0010, P 199-0017, P 199-0055, P 199-0056]
- ii. Demonstration of compliance with the emission limits in Section III.B.4.a of this Title V permit shall be met by calculating the emission rates using emission factors from the following sources:
- AP-42, 5<sup>th</sup> Edition, Section 3.4 (10/96)
  - NO<sub>x</sub> (EU-2.3, EU2.4): Based on testing results previously required by RCSA §22a-174-22
  - NO<sub>x</sub> (EU-2.5, EU2.6): 8 gm/bhp-hr
  - NO<sub>x</sub> (EU-2.7): 14.3 gm/bhp-hr

The commissioner may require other means (e.g. stack testing) to demonstrate compliance with the emission limits in Section III.B.4.a of this Title V permit, as allowed by state or federal statute, law or regulation. [P 199-0009, P 199-0010, P 199-0017, P 199-0055, P 199-0056]

### **Section III: Applicable Requirements and Compliance Demonstration**

*c. Record Keeping Requirements*

The Permittee shall calculate and record the monthly and consecutive 12 month PM, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NOx, VOC, and CO emissions in units of tons for each engine in GEU-2. The consecutive 12 month emissions for each engine in GEU-2 shall be determined by adding (for each pollutant) the current month's 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. [RCSA §22a-174-33(j)(1)(K)]

#### **5. Hazardous Air Pollutants**

*a. Limitation or Restriction*

The engines in GEU-2 shall not cause an exceedance of the MASC for any HAP emitted and listed in RCSA §22a-174-29. (State Only Requirement)  
[P 199-0009, P 199-0010, P 199-0017, P 199-0055, P 199-0056]

*b. Monitoring Requirements*

The Permittee shall calculate the ASC and MASC of each HAP listed in Tables 29-1, 29-2 or 29-3 of RCSA §22a-174-29 that is emitted by any engine in GEU-2. The Permittee shall demonstrate, by comparing the results from such calculations, that the ASC of each HAP does not exceed the appropriate MASC. [RCSA §22a-174-33(j)(1)(K)]

*c. Record Keeping Requirements*

The Permittee shall make and keep records of the ASC and MASC calculations for each HAP listed in RCSA §22a-174-29 Tables 29-1, 29-2 or 29-3 emitted by any engine in GEU-2.  
[RCSA §22a-174-33(j)(1)(K)]

#### **6. Opacity**

*a. Limitation or Restriction*

Opacity resulting from operation of the engines in GEU-2 shall not exceed 20% during any six-minute block average or 40% reduced to a one-minute block average; as measured by 40 CFR Part 60, Appendix A, Reference Method 9. (State Only Requirement)  
[P 199-0009, P 199-0010, P 199-0017, P 199-0055, P 199-0056]

*b. Monitoring Requirements*

If required by the commissioner, the Permittee shall measure opacity using 40 CFR Part 60, Method 9 stack test. [RCSA §22a-174-5(e)(2); RCSA §22a-174-33(j)(1)(K)]

*c. Record Keeping Requirements*

The Permittee shall maintain records of the opacity tests required in Section III.B.6.b of this Title V permit. Such records shall include the dates, times, and places of all visible emission observations, persons performing the observations, test methods used, the operating conditions at the time of observation, and the results of such observation. [RCSA §22a-174-33(j)(1)(K)]



### Section III: Applicable Requirements and Compliance Demonstration

#### 7. NO<sub>x</sub>

##### *a. Limitation or Restriction*

The engines in GEU-2 are subject to the requirements of RCSA §22a-174-22 except that subsections (d) to (k), inclusive, and (m) shall not apply when the engine is used to test and to provide emergency power or alternative power for safety-related structures, systems, and components or other Nuclear Regulatory Commission mandated systems at an electricity generating facility licensed under 10 CFR Part 50. [RCSA §22a-174-22(c)(2)(A)]

##### *b. Monitoring Requirements*

The Permittee shall monitor the hours of operation of each engine in GEU-2 on a daily basis. [RCSA §22a-174-33(j)(1)(K)]

##### *c. Record Keeping Requirements*

- i. The Permittee shall keep daily records of operating hours, identifying the operating hours of emergency and non-emergency use for each engine in GEU-2. [RCSA §22a-174-22(l)(1)(A)]
- ii. The Permittee shall keep records of all tune-ups, repairs, replacement of parts and other maintenance for each engine in GEU-2. [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 any other records or reports required by an order or permit issued by the commissioner pursuant to RCSA §22a-174-22. [RCSA §22a-174-22(l)(1)(J)]

#### 8. **40 CFR Part 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

(Engine Classification: Existing Emergency Compression Ignition RICE greater than 500 HP constructed before June 12, 2006 at an area source)

##### *a. Limitation or Restriction*

- i. The Permittee shall change the oil and filter every 500 hours of operation or annually, whichever comes first for each engine in GEU-2. [40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d(4)(a)]
- ii. The Permittee shall inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary for each engine in GEU-2. [40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d(4)(b)]
- iii. The Permittee shall inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary for each engine in GEU-2. [40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d(4)(c)]

### **Section III: Applicable Requirements and Compliance Demonstration**

- iv. If an engine in GEU-2 is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Sections III.B.8.a.i through iii of this Title V permit, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice 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]
- v. The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Section III.B.8.a.i of this Title V permit. The oil analysis must be performed at the same frequency specified for changing the oil in Section III.B.8.a.i of this Title V permit. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee must change the oil within two business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the Permittee must change the oil within two business days or before commencing operation, whichever is later. The analysis program must be part of the maintenance plan for the engine. [40 CFR §63.6625(i)]

#### *b. Monitoring Requirements*

- i. The Permittee shall operate and maintain each engine in GEU-2, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions, at all times. [40 CFR §63.6605(b)]
- ii. The Permittee shall operate and maintain each engine in GEU-2 and any after-treatment control devices (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which shall 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)]
- iii. The Permittee shall install a non-resettable hour meter on each engine in GEU-2 if one is not already installed. [40 CFR §63.6625(f)]
- iv. The Permittee shall minimize each engine's time spent at idle during startup and minimize each engine's startup time to a period needed for appropriate and safe loading of the engine. [40 CFR §63.6625(h)]
- v. The Permittee shall demonstrate continuous compliance with the requirements in Section III.B.8.a of this Title V permit according to the methods specified in Section III.B.8.b.ii of this Title V permit. [40 CFR §63.6640(a)]
- vi. The Permittee shall operate each engine in GEU-2 according to the requirements in Sections III.B.8.b.vi.(A) through (C) of this Title V permit. If the Permittee does not operate each engine in GEU-2 according to the requirements in Sections III.B.8.b.vi.(A) through (C) of this Title V permit, the engine will not be considered an emergency engine under 40 CFR Part 63 Subpart ZZZZ and shall meet all requirements for non-emergency engines. [40 CFR §63.6640(f)]

### Section III: Applicable Requirements and Compliance Demonstration

Note: The operation of each engine in GEU-2 is further limited by Section III.B.3.a of this Title V permit and Section III.B.8.b.vi only applies for demonstrating compliance with 40 CFR Part 63 Subpart ZZZZ.

- (A) There is no time limit on the use of each engine in GEU-2 in emergency situations. [40 CFR §63.6640(f)(1)]
- (B) Each engine in GEU-2 may operate for any combination of the purposes specified in Sections III.B.8.b.vi.(B)(1) through (3) of this Title V permit for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by Section III.B.8.b.vi.(C) of this Title V permit counts as part of the 100 hours per calendar year allowed. [40 CFR §63.6640(f)(2)]
  - (1) Each engine in GEU-2 may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. [40 CFR §63.6640(f)(2)(i)]
  - (2) Each engine in GEU-2 may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see 40 CFR §63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3. [40 CFR §63.6640(f)(2)(ii)]
  - (3) Each engine in GEU-2 may be operated for periods where there is a deviation of voltage or frequency of 5% or greater below standard voltage or frequency. [40 CFR §63.6640(f)(2)(iii)]
- (C) Each engine in GEU-2 may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in Section III.B.8.b.vi.(B) of this Title V permit. Except as provided in 40 CFR §§63.6640(f)(4)(i) and (ii), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR §63.6640(f)(4)]

#### *c. Record Keeping Requirements*

- i. The Permittee shall keep a copy of each notification and report that was submitted to comply with 40 CFR Part 63 Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted, according to the requirement in 40 CFR §63.10(b)(2)(xiv). [40 CFR §63.6655(a)(1)]
- ii. The Permittee shall keep records of the occurrence and duration of each malfunction of operation

### **Section III: Applicable Requirements and Compliance Demonstration**

(i.e., process equipment) or the air pollution control and monitoring equipment.  
[40 CFR §63.6655(a)(2)]

- iii. The Permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR §63.6655(a)(5)]
- iv. The Permittee shall keep records demonstrating compliance with Section III.B.8.b.ii of this Title V permit. [40 CFR §63.6655(d)]
- v. The Permittee shall keep records of the maintenance conducted on each engine in GEU-2 in order to demonstrate that the Permittee operated and maintained the engines according to the Permittee's own maintenance plan. [40 CFR §63.6655(e)]
- vi. The Permittee shall keep records of the hours of operation for each engine in GEU-2 that is recorded through the non-resettable hour meters. The Permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency, and how many hours are spent for non-emergency operation. [40 CFR §63.6655(f)]
- vii. The Permittee must keep records of the parameters that are analyzed as part of the oil analysis program in Section III.B.8.a.v of this Title V permit, the results of the analysis, and the oil changes for the engine. [40 CFR §63.6625(i)]

#### *d. Reporting Requirements*

- i. The Permittee shall report each instance in which the Permittee did not meet the requirements in 40 CFR Part 63, Subpart ZZZZ, Table 8 that apply. [40 CFR §63.6640(e)]
- ii. The Permittee shall report any failure to perform the work practice on the schedule required, as specified in Section III.B.8.a of this Title V permit, and the Federal, State or local law under which the risk was deemed unacceptable. [40 CFR Part 63 Subpart ZZZZ, Table 2d, Footnote 2]

### **C. EMISSION UNIT 2.8 (EU-2.8)**

#### **(Emergency Diesel Generator Engine for Unit 1 Spent Fuel Pool Cooling)**

#### **1. Maximum Operating Hours**

##### *a. Limitation or Restriction*

Maximum operating hours for the engine shall not be greater than 300 hours during any 12 month rolling aggregate and each engine shall be operated only during periods of testing and scheduled maintenance or during an emergency as defined in RCSA §22a-174-22. [RCSA §22a-174-3b(e)(2)(C)]

##### *b. Monitoring Requirements*

The Permittee shall monitor hours of operation on a monthly basis. [RCSA §22a-174-3b(e)(4)]

### **Section III: Applicable Requirements and Compliance Demonstration**

#### *c. Record Keeping Requirements*

The Permittee shall maintain records of hours of operation for the engine on a monthly basis and a 12 month rolling aggregate. Maximum annual operating hours shall be based on any consecutive 12 month time period and shall be determined by adding each month's operating hours to that of the previous 11 months. [RCSA §22a-174-3b(e)(4)]

#### **2. Maximum Fuel Sulfur Content**

##### *a. Limitation or Restriction*

The Permittee shall not exceed the sulfur content of motor vehicle diesel fuel of 15 ppm, where "motor vehicle diesel fuel" is defined as in RCSA §22a-174-42 for any non-gaseous fuel consumed by EU-2.8. [RCSA §22a-174-3b(e)(2)(D)]

##### *b. Monitoring Requirements*

The Permittee shall monitor the sulfur content for the fuel burned in EU-2.8. [RCSA §22a-174-3b(e)(3)]

##### *c. Record Keeping Requirements*

The Permittee shall keep any of the following records to demonstrate compliance with Section III.C.2.a of this Title V permit:

- i. A fuel certification for a delivery of nongaseous fuel from a bulk petroleum provider;
- ii. A sales receipt for the sale of motor vehicle diesel fuel from a retail location; or
- iii. A copy of a current contract with the fuel supplier supplying the fuel used by the equipment that includes the applicable sulfur content of nongaseous fuel as a condition of each shipment.

[RCSA §22a-174-3b(h)]

#### **3. NO<sub>x</sub>**

##### *a. Limitation or Restriction*

EU-2.8 is subject to the requirements of RCSA §22a-174-22 except that subsections (d) to (k), inclusive, and (m) shall not apply when the engine is used to test and to provide emergency power or alternative power for safety-related structures, systems, and components or other Nuclear Regulatory Commission mandated systems at an electricity generating facility licensed under 10 CFR Part 50. [RCSA §22a-174-22(c)(2)(A)]

##### *b. Monitoring Requirements*

The Permittee shall monitor the hours of operation on a daily basis. [RCSA §22a-174-33(j)(1)(K)]

##### *c. Record Keeping Requirements*

- i. The Permittee shall keep daily records of operating hours, identifying the operating hours of emergency and non-emergency use. [RCSA §22a-174-22(l)(1)(A)]
- ii. The Permittee shall keep records of all tune-ups, repairs, replacement of parts and other maintenance. [RCSA §22a-174-22(l)(1)(D)]

### **Section III: Applicable Requirements and Compliance Demonstration**

- 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 any other records or reports required by an order or permit issued by the commissioner pursuant to RCSA §22a-174-22. [RCSA §22a-174-22(l)(1)(J)]

#### **4. 40 CFR Part 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

(Engine Classification: Existing Emergency Compression Ignition RICE greater than 500 HP constructed before June 12, 2006 at an area source)

##### *a. Limitation or Restriction*

- i. The Permittee shall change the oil and filter every 500 hours of operation or annually, whichever comes first. [40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d(4)(a)]
- ii. The Permittee shall inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d(4)(b)]
- iii. The Permittee shall inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d(4)(c)]
- iv. If the engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Sections III.C.4.a.i through iii of this Title V permit, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice 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]
- v. The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Section III.C.4.a.i of this Title V permit. The oil analysis must be performed at the same frequency specified for changing the oil in Section III.C.4.a.i of this Title V permit. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee must change the oil within two business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the Permittee must change the oil within two business days or before commencing operation, whichever is later. The analysis program must be part of the maintenance plan for the engine. [40 CFR §63.6625(i)]

### **Section III: Applicable Requirements and Compliance Demonstration**

#### *b. Monitoring Requirements*

- i. The Permittee shall operate and maintain the engine, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions, at all times. [40 CFR §63.6605(b)]
- ii. The Permittee shall operate and maintain the engine and any after-treatment control devices (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which shall 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)]
- iii. The Permittee shall install a non-resettable hour meter if one is not already installed. [40 CFR §63.6625(f)]
- iv. The Permittee shall minimize the 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. [40 CFR §63.6625(h)]
- v. The Permittee shall demonstrate continuous compliance with the requirements in Section III.C.4.a of this Title V permit according to the methods specified in Section III.C.4.b.ii of this Title V permit. [40 CFR §63.6640(a)]
- vi. The Permittee shall operate the engine according to the requirements in Sections III.C.4.b.vi.(A) through (C) of this Title V permit. If the Permittee does not operate the engine according to the requirements in Sections III.C.4.b.vi.(A) through (C) of this Title V permit, the engine will not be considered an emergency engine under 40 CFR Part 63 Subpart ZZZZ and shall meet all requirements for non-emergency engines. [40 CFR §63.6640(f)]

Note: The operation of this engine is further limited by Section III.C.1.a of this Title V permit and Section III.C.4.b.vi only applies for demonstrating compliance with 40 CFR Part 63 Subpart ZZZZ.

- (A) There is no time limit on the use of this engine in emergency situations. [40 CFR §63.6640(f)(1)]
- (B) This engine may operate for any combination of the purposes specified in Sections III.C.4.b.vi.(B)(1) through (3) of this Title V permit for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by Section III.C.4.b.vi.(C) of this Title V permit counts as part of the 100 hours per calendar year allowed. [40 CFR §63.6640(f)(2)]
  - (1) This engine may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. [40 CFR §63.6640(f)(2)(i)]

### **Section III: Applicable Requirements and Compliance Demonstration**

- (2) This engine may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see 40 CFR §63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3. [40 CFR §63.6640(f)(2)(ii)]
- (3) This engine may be operated for periods where there is a deviation of voltage or frequency of 5% or greater below standard voltage or frequency. [40 CFR §63.6640(f)(2)(iii)]
- (C) This engine may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in Section III.C.4.b.vi.(B) of this Title V permit. Except as provided in 40 CFR §§63.6640(f)(4)(i) and (ii), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR §63.6640(f)(4)]

#### *c. Record Keeping Requirements*

- i. The Permittee shall keep a copy of each notification and report that was submitted to comply with 40 CFR Part 63 Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted, according to the requirement in 40 CFR §63.10(b)(2)(xiv). [40 CFR §63.6655(a)(1)]
- ii. 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. [40 CFR §63.6655(a)(2)]
- iii. The Permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR §63.6655(a)(5)]
- iv. The Permittee shall keep records demonstrating compliance with Section III.C.4.b.ii of this Title V permit. [40 CFR §63.6655(d)]
- v. The Permittee shall keep records of the maintenance conducted on the engine in order to demonstrate that the Permittee operated and maintained the engines according to the Permittee's own maintenance plan. [40 CFR §63.6655(e)]
- vi. The Permittee shall keep records of the hours of operation for the engine that is recorded through the non-resettable hour meter. The Permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency, and how many hours are spent for non-emergency operation. [40 CFR §63.6655(f)]
- vii. The Permittee must keep records of the parameters that are analyzed as part of the oil analysis program in Section III.C.4.a.v of this Title V permit, the results of the analysis, and the oil changes for the engine. [40 CFR §63.6625(i)]



### **Section III: Applicable Requirements and Compliance Demonstration**

#### *d. Reporting Requirements*

- i. The Permittee shall report each instance in which the Permittee did not meet the requirements in 40 CFR Part 63 Subpart ZZZZ, Table 8 that apply. [40 CFR §63.6640(e)]
- ii. The Permittee shall report any failure to perform the work practice on the schedule required, as specified in Section III.C.4.a of this Title V permit, and the Federal, State or local law under which the risk was deemed unacceptable. [40 CFR Part 63 Subpart ZZZZ, Table 2d, Footnote 2]

#### **D. GROUPED EMISSIONS UNIT 3 (GEU-3 - EU-2.11 and EU-2.13)**

##### **(Emergency Diesel Fire Pump, Emergency Diesel Generator Engine “EOF”)**

#### **1. 40 CFR Part 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

(Engine Classification: Existing Emergency Compression Ignition RICE less than 500 HP constructed before June 12, 2006 at an area source)

##### *a. Limitation or Restriction*

- i. The Permittee shall change the oil and filter every 500 hours of operation or annually, whichever comes first. [40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d(4)(a)]
- ii. The Permittee shall inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d(4)(b)]
- iii. The Permittee shall inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d(4)(c)]
- iv. If the engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Sections III.D.1.a.i through iii of this Title V permit, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice 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]
- v. The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Section III.D.1.a.i of this Title V permit. The oil analysis must be performed at the same frequency specified for changing the oil in Section III.D.1.a.i of this Title V permit. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee must change the oil within two business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the Permittee must

### **Section III: Applicable Requirements and Compliance Demonstration**

change the oil within two business days or before commencing operation, whichever is later. The analysis program must be part of the maintenance plan for the engine. [40 CFR §63.6625(i)]

#### *b. Monitoring Requirements*

- i. The Permittee shall operate and maintain the engine, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions, at all times. [40 CFR §63.6605(b)]
- ii. The Permittee shall operate and maintain the engine and any after-treatment control devices (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which shall 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)]
- iii. The Permittee shall install a non-resettable hour meter if one is not already installed. [40 CFR §63.6625(f)]
- iv. The Permittee shall minimize the 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. [40 CFR §63.6625(h)]
- v. The Permittee shall demonstrate continuous compliance with the requirements in Section III.D.1.a of this Title V permit according to the methods specified in Section III.D.1.b.ii of this Title V permit. [40 CFR §63.6640(a)]
- vi. The Permittee shall operate each engine in GEU-3 according to the requirements in Sections III.D.1.b.vi.(A) through (C) of this Title V permit. If the Permittee does not operate each engine in GEU-3 according to the requirements in Sections III.D.1.b.vi.(A) through (C) of this Title V permit, the engine will not be considered an emergency engine under 40 CFR Part 63 Subpart ZZZZ and shall meet all requirements for non-emergency engines. [40 CFR §63.6640(f)]
  - (A) There is no time limit on the use of each engine in GEU-3 in emergency situations. [40 CFR §63.6640(f)(1)]
  - (B) Each engine in GEU-3 may operate for any combination of the purposes specified in Sections III.D.1.b.vi.(B)(1) through (3) of this Title V permit for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by Section III.D.1.b.vi.(C) of this Title V permit counts as part of the 100 hours per calendar year allowed. [40 CFR §63.6640(f)(2)]
    - (1) Each engine in GEU-3 may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. [40 CFR §63.6640(f)(2)(i)]

### **Section III: Applicable Requirements and Compliance Demonstration**

- (2) Each engine in GEU-3 may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see 40 CFR §63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3. [40 CFR §63.6640(f)(2)(ii)]
  - (3) Each engine in GEU-3 may be operated for periods where there is a deviation of voltage or frequency of 5% or greater below standard voltage or frequency. [40 CFR §63.6640(f)(2)(iii)]
- (C) Each engine in GEU-3 may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in Section III.D.1.b.vi.(B) of this Title V permit. Except as provided in 40 CFR §§63.6640(f)(4)(i) and (ii), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR §63.6640(f)(4)]
- vii. The Permittee must keep records of the parameters that are analyzed as part of the oil analysis program in Section III.D.1.a.v of this Title V permit, the results of the analysis, and the oil changes for the engine. [40 CFR §63.6625(i)]

#### *c. Record Keeping Requirements*

- i. The Permittee shall keep a copy of each notification and report that was submitted to comply with 40 CFR Part 63 Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted, according to the requirement in 40 CFR §63.10(b)(2)(xiv). [40 CFR §63.6655(a)(1)]
- ii. 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. [40 CFR §63.6655(a)(2)]
- iii. The Permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR §63.6655(a)(5)]
- iv. The Permittee shall keep records demonstrating compliance with Section III.D.1.b.ii of this Title V permit. [40 CFR §63.6655(d)]
- v. The Permittee shall keep records of the maintenance conducted on the engine in order to demonstrate that the Permittee operated and maintained the engines according to the Permittee's own maintenance plan. [40 CFR §63.6655(e)]
- vi. The Permittee shall keep records of the hours of operation for the engine that is recorded through the non-resettable hour meter. The Permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency, and how many hours are spent for non-emergency operation. [40 CFR §63.6655(f)]

### Section III: Applicable Requirements and Compliance Demonstration

#### *d. Reporting Requirements*

- i. The Permittee shall report each instance in which the Permittee did not meet the requirements in 40 CFR Part 63 Subpart ZZZZ, Table 8 that apply. [40 CFR §63.6640(e)]
- ii. The Permittee shall report any failure to perform the work practice on the schedule required, as specified in Section III.D.1.a of this Title V permit, and the Federal, State or local law under which the risk was deemed unacceptable. [40 CFR Part 63 Subpart ZZZZ, Table 2d, Footnote 2]

#### **E. GROUPED EMISSIONS UNIT 4 (GEU-4, EU-2.12, EU-2.20 and EU-2.21)**

**(Emergency Propane Generator Engine for Meteorological Tower, Kohler Sewer Pump Propane Emergency Generator Engine, and Kohler Security AVB Propane Emergency Generator Engine)**

#### **1. 40 CFR Part 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

(Engine Classification: Existing Emergency Spark Ignition RICE less than 500 HP constructed before June 12, 2006 at an area source)

#### *a. Limitation or Restriction*

- i. The Permittee shall change the oil and filter every 500 hours of operation or annually, whichever comes first for each engine in GEU-4.  
[40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d(5)(a)]
- ii. The Permittee shall inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary for each engine in GEU-4.  
[40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d(5)(b)]
- iii. The Permittee shall inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary for each engine in GEU-4.  
[40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d(5)(c)]
- iv. If an engine in GEU-4 is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Sections III.E.1.a.i through iii of this Title V permit, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice 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]
- v. The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Section III.E.1.a.i of this Title V permit. The oil analysis must be performed at the same frequency specified for changing the oil in Section III.E.1.a.i of this Title V permit. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the Permittee is not required to change

### **Section III: Applicable Requirements and Compliance Demonstration**

the oil. If any of the limits are exceeded, the Permittee must change the oil within two business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the Permittee must change the oil within two business days or before commencing operation, whichever is later. The analysis program must be part of the maintenance plan for the engine. [40 CFR §63.66625(j)]

#### *b. Monitoring Requirements*

- i. The Permittee shall operate and maintain each engine in GEU-4, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions, at all times. [40 CFR §63.6605(b)]
- ii. The Permittee shall operate and maintain each engine in GEU-4 and any after-treatment control devices (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which shall 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)]
- iii. The Permittee shall install a non-resettable hour meter on each engine in GEU-4 if one is not already installed. [40 CFR §63.6625(f)]
- iv. The Permittee shall minimize each engine's time spent at idle during startup and minimize each engine's startup time to a period needed for appropriate and safe loading of the engine. [40 CFR §63.6625(h)]
- v. The Permittee shall demonstrate continuous compliance with the requirements in Section III.E.1.a of this Title V permit according to the methods specified in Section III.E.1.b.ii of this Title V permit. [40 CFR §63.6640(a)]
- vi. The Permittee shall operate each engine in GEU-4 according to the requirements in Sections III.E.1.b.vi.(A) through (C) of this Title V permit. If the Permittee does not operate each engine in GEU-4 according to the requirements in Sections III.E.1.b.vi.(A) through (C) of this Title V permit, the engine will not be considered an emergency engine under 40 CFR Part 63 Subpart ZZZZ and shall meet all requirements for non-emergency engines. [40 CFR §63.6640(f)]
  - (A) There is no time limit on the use of each engine in GEU-4 in emergency situations. [40 CFR §63.6640(f)(1)]
  - (B) Each engine in GEU-4 may operate for any combination of the purposes specified in Sections III.E.1.b.vi.(B)(1) through (3) of this Title V permit for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by Section III.E.1.b.vi.(C) of this Title V permit counts as part of the 100 hours per calendar year allowed. [40 CFR §63.6640(f)(2)]
    - (1) Each engine in GEU-4 may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per

### Section III: Applicable Requirements and Compliance Demonstration

calendar year. [40 CFR §63.6640(f)(2)(i)]

- (2) Each engine in GEU-4 may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see 40 CFR §63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3. [40 CFR §63.6640(f)(2)(ii)]
  - (3) Each engine in GEU-4 may be operated for periods where there is a deviation of voltage or frequency of 5% or greater below standard voltage or frequency. [40 CFR §63.6640(f)(2)(iii)]
- (C) Each engine in GEU-4 may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in Section III.E.1.b.vi.(B) of this Title V permit. Except as provided in 40 CFR §§63.6640(f)(4)(i) and (ii), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR §63.6640(f)(4)]

#### *c. Record Keeping Requirements*

- i. The Permittee shall keep a copy of each notification and report that was submitted to comply with 40 CFR Part 63 Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted, according to the requirement in 40 CFR §63.10(b)(2)(xiv). [40 CFR §63.6655(a)(1)]
- ii. 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. [40 CFR §63.6655(a)(2)]
- iii. The Permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR §63.6655(a)(5)]
- iv. The Permittee shall keep records demonstrating compliance with Section III.E.1.b.ii of this Title V permit. [40 CFR §63.6655(d)]
- v. The Permittee shall keep records of the maintenance conducted on each engine in GEU-4 in order to demonstrate that the Permittee operated and maintained the engines according to the Permittee's own maintenance plan. [40 CFR §63.6655(e)]
- vi. The Permittee shall keep records of the hours of operation for each engine in GEU-4 that is recorded through the non-resettable hour meter. The Permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency, and how many hours are spent for non-emergency operation. [40 CFR §63.6655(f)]
- vii. The Permittee must keep records of the parameters that are analyzed as part of the oil analysis program in Section III.E.1.a.v of this Title V permit, the results of the analysis, and the oil changes

### **Section III: Applicable Requirements and Compliance Demonstration**

for the engine. [40 CFR §63.6625(j)]

*d. Reporting Requirements*

- i. The Permittee shall report each instance in which the Permittee did not meet the requirements in 40 CFR Part 63 Subpart ZZZZ, Table 8 that apply. [40 CFR §63.6640(e)]
- ii. The Permittee shall report any failure to perform the work practice on the schedule required, as specified in Section III.E.1.a of this Title V permit, and the Federal, State or local law under which the risk was deemed unacceptable. [40 CFR Part 63 Subpart ZZZZ, Table 2d, Footnote 2]

#### **F. GROUPED EMISSIONS UNIT 5 (GEU-5 – EU-2.14 and EU-2.15)**

##### **(Fire School Propane Water Pump 1 & 2)**

#### **1. Maximum Fuel Consumption**

*a. Limitation or Restriction*

The maximum propane fuel usage shall not exceed 5 gal/hr and 5,000 gal/yr for each engine.  
[P 199-0043]

*b. Monitoring Requirements*

When more than one fuel supply tank is to service the engines in GEU-5 or when the engines in GEU-5 are supplied by one fuel tank, the Permittee shall use a fuel metering device to continuously monitor fuel feed to each engine in GEU-5. [P 199-0043]

*c. Record Keeping Requirements*

The Permittee shall keep records of annual fuel consumption for each engine in GEU-5. 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 for each engine in GEU-5. The Permittee shall make these calculations within 30 days of the end of the previous month and the records should indicate the type of fuel used. [P 199-0043]

## Section III: Applicable Requirements and Compliance Demonstration

### 2. Criteria Pollutant Maximum Allowable Emissions

#### a. Limitation or Restriction

Total emissions from GEU-5 shall not exceed:

	<u>lb/hr</u>	<u>lb/MMBtu</u>	<u>tpy</u>
TSP	0.06	0.067	0.02
PM <sub>10</sub>	0.06	0.067	0.02
SO <sub>x</sub>	0.004	0.004	0.002
NO <sub>x</sub>	1.40	1.56	0.70
VOC	0.84	0.93	0.42
CO	1.30	1.44	0.64

[P 199-0043]

#### b. Monitoring Requirements

- i. The Permittee shall operate and maintain the engines in GEU-5 in accordance with the manufacturer's specifications and written recommendations. [P 199-0043]
- ii. Demonstration of compliance with the emission limits in Section III.F.2.a.i of this Title V permit shall be met by calculating the emission rates using emission factors from the following sources:
  - AP-42 5th edition, Section 1.5 LPG
  - Air Resources Board "Instructions for the Emissions Data System" (8/91) California

The above statement shall not preclude the commissioner from requiring other means (e.g. stack testing) to demonstrate compliance with the emission limits in Section III.F.2.a.i of this Title V permit, as allowed by state or federal statute, law or regulation. [P 199-0043]

#### c. Record Keeping Requirements

The Permittee shall calculate and record the monthly and consecutive 12 month TSP, PM<sub>10</sub>, SO<sub>x</sub>, NO<sub>x</sub>, VOC, and CO emissions in units of tons for each engine in GEU-5 and combined emissions of GEU-5. The consecutive 12 month emissions for each engine in GEU-5 and combined emissions of GEU-5 shall be determined by adding (for each pollutant) the current month's 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. [RCSA §22a-174-33(j)(1)(K)]

### 3. 40 CFR Part 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

(Engine Classification: Existing Non-Emergency Spark Ignition 4SRB RICE less than 500 HP constructed before June 12, 2006 at an area source)

#### a. Limitation or Restriction

- i. The Permittee shall change the oil and filter every 1,440 hours of operation or annually, whichever comes first for each engine in GEU-5.  
[40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d(10)(a)]



### **Section III: Applicable Requirements and Compliance Demonstration**

- ii. The Permittee shall inspect spark plugs every 1,440 hours of operation or annually, whichever comes first, and replace as necessary for each engine in GEU-5. [40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d(10)(b)]
- iii. The Permittee shall inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary for each engine in GEU-5. [40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d(10)(c)]

#### *b. Monitoring Requirements*

- i. The Permittee shall operate and maintain each engine in GEU-5, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions, at all times. [40 CFR §63.6605(b)]
- ii. The Permittee shall operate and maintain each engine in GEU-5 and any after-treatment control devices (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which shall 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)]
- iii. The Permittee shall minimize each engine's time spent at idle during startup and minimize each engine's startup time to a period needed for appropriate and safe loading of the engine. [40 CFR §63.6625(h)]
- iv. The Permittee shall demonstrate continuous compliance with the requirements in Section III.F.3.a of this Title V permit according to the methods specified in Section III.F.3.b.ii of this Title V permit. [40 CFR §63.6640(a)]

#### *c. Record Keeping Requirements*

- i. The Permittee shall keep a copy of each notification and report that was submitted to comply with 40 CFR Part 63 Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted, according to the requirement in 40 CFR §63.10(b)(2)(xiv). [40 CFR §63.6655(a)(1)]
- ii. 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. [40 CFR §63.6655(a)(2)]
- iii. The Permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR §63.6655(a)(5)]
- iv. The Permittee shall keep records demonstrating compliance with Section III.F.1.b.ii of this Title V permit. [40 CFR §63.6655(d)]
- v. The Permittee shall keep records of the maintenance conducted on each engine in GEU-5 in order to demonstrate that the Permittee operated and maintained the engines according to the Permittee's own maintenance plan. [40 CFR §63.6655(e)]

### **Section III: Applicable Requirements and Compliance Demonstration**

#### *d. Reporting Requirements*

The Permittee shall report each instance in which the Permittee did not meet the requirements in 40 CFR Part 63, Subpart ZZZZ, Table 8 that apply. [40 CFR §63.6640(e)]

#### **G. EMISSION UNIT 2.17 (EU-2.17)**

##### **(Emergency Diesel Generator Engine for Plant Security)**

#### **1. Maximum Operating Hours**

##### *a. Limitation or Restriction*

Maximum operating hours for the engine shall not be greater than 300 hours during any 12 month rolling aggregate and each engine shall be operated only during periods of testing and scheduled maintenance or during an emergency as defined in RCSA §22a-174-22. [RCSA §22a-174-3b(e)(2)(C)]

##### *b. Monitoring Requirements*

The Permittee shall monitor hours of operation on a monthly basis. [RCSA §22a-174-3b(e)(4)]

##### *c. Record Keeping Requirements*

The Permittee shall maintain records of hours of operation for the engine on a monthly basis and a 12 month rolling aggregate. Maximum annual operating hours shall be based on any consecutive 12 month time period and shall be determined by adding each month's operating hours to that of the previous 11 months. [RCSA §22a-174-3b(e)(4)]

#### **2. Maximum Fuel Sulfur Content**

##### *a. Limitation or Restriction*

The Permittee shall not exceed the sulfur content of motor vehicle diesel fuel of 15 ppm, where "motor vehicle diesel fuel" is defined as in RCSA §22a-174-42 for any non-gaseous fuel consumed by EU-2.17. [RCSA §22a-174-3b(e)(2)(D)]

##### *b. Monitoring Requirements*

The Permittee shall monitor the sulfur content for the fuel burned in EU-2.17. [RCSA §22a-174-3b(e)(3)]

##### *c. Record Keeping Requirements*

The Permittee shall keep any of the following records to demonstrate compliance with Section III.G.2.a of this Title V permit:

- i. A fuel certification for a delivery of nongaseous fuel from a bulk petroleum provider;
- ii. A sales receipt for the sale of motor vehicle diesel fuel from a retail location; or
- iii. A copy of a current contract with the fuel supplier supplying the fuel used by the equipment that includes the applicable sulfur content of nongaseous fuel as a condition of each shipment.

[RCSA §22a-174-3b(h)]

### Section III: Applicable Requirements and Compliance Demonstration

#### 3. NO<sub>x</sub>

##### *a. Limitation or Restriction*

EU-2.17 is subject to the requirements of RCSA §22a-174-22 except that subsections (d) to (k), inclusive, and (m) shall not apply when the engine is used to test and to provide emergency power or alternative power for safety-related structures, systems, and components or other Nuclear Regulatory Commission mandated systems at an electricity generating facility licensed under 10 CFR Part 50. [RCSA §22a-174-22(c)(2)(A)]

##### *b. Monitoring Requirements*

The Permittee shall monitor the hours of operation on a daily basis. [RCSA §22a-174-33(j)(1)(K)]

##### *c. Record Keeping Requirements*

- i. The Permittee shall keep daily records of operating hours, identifying the operating hours of emergency and non-emergency use. [RCSA §22a-174-22(l)(1)(A)]
- ii. The Permittee shall keep records of all tune-ups, repairs, replacement of parts and other maintenance. [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 any other records or reports required by an order or permit issued by the commissioner pursuant to RCSA §22a-174-22. [RCSA §22a-174-22(l)(1)(J)]

#### 4. 40 CFR Part 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

(Engine Classification: Existing Emergency Compression Ignition RICE greater than 500 HP constructed after June 12, 2006 at an area source)

##### *a. Limitation or Restriction*

- i. The Permittee shall comply with the emission standards for new nonroad compression ignition engines in 40 CFR §60.4202, for all pollutants, for the same model year and maximum engine power for EU-2.17. [40 CFR §60.4205(b)]
- ii. The Permittee shall purchase diesel fuel that has a maximum sulfur content of 15 ppm and meets the requirements of 40 CFR §80.510(b) for nonroad diesel fuel. [40 CFR §60.4207(b)]

##### *b. Monitoring Requirements*

- i. The Permittee shall operate and maintain the engine to achieve the emission standards as required in Section III.G.4.a.i of this Title V permit over the entire life of the engine. [40 CFR §60.4206]
- ii. If the engine does not meet the standards applicable to non-emergency engines as specified in Section III.G.4.a.i of this Title V permit, the Permittee shall install a non-resettable hour meter prior to startup of the engine. [40 CFR §60.4209(a)]

### **Section III: Applicable Requirements and Compliance Demonstration**

- iii. The Permittee shall do all of the following, except as permitted under Section III.G.4.b.vi of this Title V permit:
  - (A) Operate and maintain the stationary combustion ignition internal combustion engine and control device according to the manufacturer's emission-related written instructions;
  - (B) Change only those emission-related settings that are permitted by the manufacturer; and
  - (C) Meet the requirements of 40 CFR Parts 89, 94 and/or 1068, as they apply.  
[40 CFR §60.4211(a)]
- iv. The Permittee shall ensure the engine is certified to the emission standards in 40 CFR §60.4205(b) for the same model year and maximum engine power. The engines shall be installed and configured according to the manufacturer's emission-related specifications, except as permitted in Section III.G.4.b.vi of this Title V permit. [40 CFR §60.4211(c)]
- v. The Permittee shall operate the engine according to the requirements in Sections III.G.4.b.v.(A) through (C) of this Title V permit. If the Permittee does not operate the engine according to the requirements in Sections III.G.4.b.v.(A) through (C) of this Title V permit, the engine will not be considered an emergency engine under 40 CFR Part 60 Subpart III and shall meet all requirements for non-emergency engines. [40 CFR §60.4211(f)]

Note: The operation of this engine is further limited by Section III.G.1.a of this Title V permit and Section III.G.4.b.v only applies for demonstrating compliance with 40 CFR Part 60 Subpart III.

- (A) There is no time limit on the use of this engine in emergency situations.  
[40 CFR §60.4211(f)(1)]
- (B) This engine may operate for any combination of the purposes specified in Sections III.G.4.b.v.(B)(1) through (3) of this Title V permit for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by Section III.G.4.b.v.(C) of this Title V permit counts as part of the 100 hours per calendar year allowed.  
[40 CFR §60.4211(f)(2)]
  - (1) This engine may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.  
[40 CFR §60.4211(f)(2)(i)]
  - (2) This engine may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see 40 CFR §60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.  
[40 CFR §60.4211(f)(2)(ii)]

### **Section III: Applicable Requirements and Compliance Demonstration**

(3) This engine may be operated for periods where there is a deviation of voltage or frequency of 5% or greater below standard voltage or frequency.  
[40 CFR §60.4211(f)(2)(iii)]

(C) This engine may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in Section III.G.4.b.v.(B) of this Title V permit. Except as provided in 40 CFR §60.4211(f)(3)(i), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR §60.4211(f)(3)]

vi. If the Permittee does not install, configure, operate, and maintain the engine and control devices (if installed) according to the manufacturer's emission-related written instructions, or the Permittee changes emission-related settings in a way that is not permitted by the manufacturer, the Permittee shall demonstrate compliance by following the requirements in 40 CFR §§60.4211(g)(1) through (3) based on the size of the engine. [40 CFR §60.4211(g)]

vii. The Permittee shall comply with all applicable monitoring and testing requirements of the General Provisions in 40 CFR §§60.1 through 60.19, inclusive, as specified in 40 CFR Part 60 Subpart III, Table 8. [40 CFR §60.4218]

#### *c. Record Keeping Requirements*

i. The Permittee shall comply with all applicable record keeping requirements of the General Provisions in 40 CFR §§60.1 through 60.19, inclusive, as specified in 40 CFR Part 60 Subpart III, Table 8. [40 CFR §60.4218]

ii. The Permittee shall maintain appropriate records indicating compliance with the emission limitation and operational requirements in Sections III.G.4.a and b of this Title V permit. Such records may include, but are not limited to, manufacturer's specifications and operating recommendations, purchase records and internal operating procedures.  
[RSCA §22a-174-33(j)(1)(K)(ii)]

#### *d. Reporting Requirements*

The Permittee shall comply with all applicable reporting requirements of the General Provisions in 40 CFR §§60.1 through 60.19, inclusive, as specified in 40 CFR Part 60 Subpart III, Table 8.  
[40 CFR §60.4218]

### Section III: Applicable Requirements and Compliance Demonstration

#### H. GROUPED EMISSIONS UNIT 6 (GEU-6 – EU-2.18 and EU-2.19)

(IR750 – U2 Intake Diesel Compressor Engine, IR260 – Painter’s/Motorpool Diesel Compressor Engine)

##### 1. 40 CFR Part 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

(Engine Classification: Existing Non-Emergency Compression Ignition RICE constructed after June 12, 2006 at an area source)

###### a. Limitation or Restriction

- i. The Permittee shall comply with the emission standards for new compression ignition engines in 40 CFR §60.4201 for each engine in GEU-6. [40 CFR §60.4204(b)]
- ii. The Permittee shall purchase diesel fuel that has a maximum sulfur content of 15 ppm and meets the requirements of 40 CFR §80.510(b) for nonroad diesel fuel. [40 CFR §60.4207(b)]

###### b. Monitoring Requirements

- i. The Permittee shall operate and maintain the engines in GEU-6 to achieve the emission standards as required in Section III.H.1.a.i of this Title V permit over the entire life of the engine. [40 CFR §60.4206]
- ii. If any engine in GEU-6 is equipped with a diesel particulate filter to comply with the emission standards in Section III.H.1.a.i of this Title V permit, the diesel particulate filter must be installed with a backpressure monitor that notifies the Permittee when the high backpressure limit of the engine is approached. [40 CFR §60.4209(b)]
- iii. The Permittee shall do all of the following, except as permitted under Section III.H.1.b.v of this Title V permit:
  - (A) Operate and maintain the stationary combustion ignition internal combustion engine and control device according to the manufacturer's emission-related written instructions;
  - (B) Change only those emission-related settings that are permitted by the manufacturer; and
  - (C) Meet the requirements of 40 CFR Parts 89, 94 and/or 1068, as they apply. [40 CFR §60.4211(a)]
- iv. The Permittee shall ensure the engine is certified to the emission standards in Section III.H.1.a.i of this Title V permit for the same model year and maximum engine power. The engines shall be installed and configured according to the manufacturer's emission-related specifications, except as permitted in Section III.H.1.b.v of this Title V permit. [40 CFR §60.4211(c)]
- v. If the Permittee does not install, configure, operate, and maintain the engine and control devices (if installed) according to the manufacturer's emission-related written instructions, or the Permittee changes emission-related settings in a way that is not permitted by the manufacturer, the Permittee shall demonstrate compliance by following the requirements in 40 CFR §§60.4211(g)(1) through (3) based on the size of the engine. [40 CFR §60.4211(g)]

### **Section III: Applicable Requirements and Compliance Demonstration**

- vi. The Permittee shall comply with all applicable monitoring and testing requirements of the General Provisions in 40 CFR §§60.1 through 60.19, inclusive, as specified in 40 CFR Part 60 Subpart III, Table 8. [40 CFR §60.4218]

#### *c. Record Keeping Requirements*

- i. If any engine in GEU-6 is equipped with a diesel particulate filter, the Permittee shall keep records of any corrective action taken after the backpressure monitor has notified the Permittee that the high backpressure limit of the engine is approached. [40 CFR §60.4214(c)]
- ii. The Permittee shall comply with all applicable record keeping requirements of the General Provisions in 40 CFR §§60.1 through 60.19, inclusive, as specified in 40 CFR Part 60 Subpart III, Table 8. [40 CFR §60.4218]
- iii. The Permittee shall maintain appropriate records indicating compliance with the emission limitation and operational requirements in Sections III.H.1.a and b of this Title V permit. Such records may include, but are not limited to, manufacturer's specifications and operating recommendations, purchase records and internal operating procedures. [RSCA §22a-174-33(j)(l)(K)(ii)]

#### *d. Reporting Requirements*

The Permittee shall comply with all applicable reporting requirements of the General Provisions in 40 CFR §§60.1 through 60.19, inclusive, as specified in 40 CFR Part 60 Subpart III, Table 8. [40 CFR §60.4218]

### **I. EMISSION UNIT 4.1 (EU-4.1)**

#### **(Gasoline Dispensing Facility)**

#### **1. 40 CFR Part 63 Subpart CCCCCC – National Emissions Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities**

##### *a. Limitation or Restriction*

- i. The Permittee must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
  - (A) Minimize gasoline spills;
  - (B) Clean up spills as expeditiously as practicable;
  - (C) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;[40 CFR §63.11116(a)]
- ii. Portable gasoline containers that meet the requirements of 40 CFR Part 59, Subpart F, are considered acceptable for compliance with Section III.I.1.a.i.(C) of this Title V permit. [40 CFR §63.11116(d)]

### **Section III: Applicable Requirements and Compliance Demonstration**

#### *b. Monitoring Requirements*

The Permittee must, at all times, operate and maintain any affected source, including 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 §63.11115(a)]

#### *c. Record Keeping Requirements*

- i. The Permittee must have records available within 24 hours of a request by the Administrator to document the gasoline throughput of the gasoline dispensing facility. [40 CFR §63.11116(b)]
- ii. 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. [40 CFR §63.11125(d)(1)]
- iii. The Permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with Section III.I.1.b of this Title V permit, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR §63.11125(d)(2)]

### **J. EMISSION UNIT 5.1 (EU-5.1)**

#### **(Fire Training Mock-up Facility)**

#### **1. Maximum Fuel Consumption**

##### *a. Limitation or Restriction*

The maximum propane fuel usage shall not exceed 136 gal/hr for the internal fire simulator, 15 gal/min for the external fire simulator, and 272,000 gal/yr total. [P 199-0043]

##### *b. Monitoring Requirements*

When more than one fuel supply tank is to service EU-5.1 or when multiple units are supplied by one fuel tank, the Permittee shall use a fuel metering device to continuously monitor fuel feed to EU-5.1. [P 199-0043]

##### *c. Record Keeping Requirements*

The Permittee shall keep records of annual fuel consumption for EU-5.1. 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 and the records should indicate the type of fuel used. [P 199-0043]



## Section III: Applicable Requirements and Compliance Demonstration

### 2. Criteria Pollutant Maximum Allowable Emissions

#### a. Limitation or Restriction

Total emissions from EU-5.1 shall not exceed:

	<u>lb/hr</u>	<u>lb/MMBtu</u>	<u>tpy</u>
TSP	0.62	0.007	0.08
PM <sub>10</sub>	0.62	0.007	0.08
SO <sub>x</sub>	1.6	0.02	0.20
NO <sub>x</sub>	19.7	0.21	2.58
VOC	0.52	0.006	0.07
CO	3.32	0.04	0.44

[P 199-0043]

#### b. Monitoring Requirements

- i. The Permittee shall operate and maintain the EU-5.1 in accordance with the manufacturer's specifications and written recommendations. [P 199-0043]
- ii. Demonstration of compliance with the emission limits in Section III.J.2.a.i of this Title V permit shall be met by calculating the emission rates using emission factors from the following sources:
  - AP-42 5th edition, Section 1.5 LPG
  - Air Resources Board "Instructions for the Emissions Data System" (8/91) California

The above statement shall not preclude the commissioner from requiring other means (e.g. stack testing) to demonstrate compliance with the emission limits in Section III.J.2.a.i of this Title V permit, as allowed by state or federal statute, law or regulation. [P 199-0043]

#### c. Record Keeping Requirements

The Permittee shall calculate and record the monthly and consecutive 12 month TSP, PM<sub>10</sub>, SO<sub>x</sub>, NO<sub>x</sub>, VOC, and CO emissions in units of tons for EU-5.1. The consecutive 12 month emissions shall be determined by adding (for each pollutant) the current month's 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. [RCSA §22a-174-33(j)(1)(K)]

## K. GROUPED EMISSIONS UNIT 7 (GEU-7)

### (Cold Parts Cleaning Operations)

#### 1. VOC

##### a. Limitation or Restriction

The Permittee shall comply with the Equipment Design and Operating Standards as required by RCSA §22a-174-20(1)(3). [RCSA §22a-174-20(1)(3)]

### **Section III: Applicable Requirements and Compliance Demonstration**

#### *b. Equipment Design and Operating Standards*

- i. The Permittee shall equip the units in GEU-7 with covers that are easily operated with one hand. [RCSA §22a-174-20(1)(3)(A)]
- ii. The Permittee shall equip units in GEU-7 with internal racks or equipment for draining cleaned parts so that parts are enclosed under the cover while draining. Such drainage racks or equipment may be external for applications where an internal type cannot fit into the cleaning system. [RCSA §22a-174-20(1)(3)(B)]
- iii. The Permittee shall collect and store waste solvent in closed containers. Closed containers used for storing waste solvent may contain a device that allows pressure relief but does not allow liquid solvent to drain from the container. [RCSA §22a-174-20(1)(3)(C)]
- iv. The Permittee shall close the cover of any unit in GEU-7 if parts are not being handled in the cleaner for two minutes or more, or if the device is not in use. [RCSA §22a-174-20(1)(3)(D)]
- v. The Permittee shall drain the cleaned parts for at least 15 seconds or until dripping ceases, whichever is longer. [RCSA §22a-174-20(1)(3)(E)]
- vi. The Permittee, if a degreasing solvent spray is used, shall:
  - (A) supply a degreasing solvent spray that is a solid fluid stream (not a fine, atomized or shower type spray);
  - (B) maintain a solvent spray pressure that does not exceed 10 pounds per square inch as measured at the pump outlet; and
  - (C) perform spraying within the confines of the cold cleaning unit.[RCSA §22a-174-20(1)(3)(F)]
- vii. The Permittee shall minimize the drafts across the top of each unit in GEU-7 such that whenever the cover is open the unit is not exposed to drafts greater than 40 meters per minute, as measured between one and two meters upwind, and at the same elevation as the tank lip. [RCSA §22a-174-20(1)(3)(G)]
- viii. The Permittee shall not operate a unit in GEU-7 upon the occurrence of any visible solvent leak until such leak is repaired. Any leaked solvent or solvent spilled during transfer shall be cleaned immediately, and the wipe rags or other sorbent material used to clean the spilled or leaked solvent shall be immediately stored in covered containers for disposal or recycling. [RCSA §22a-174-20(1)(3)(H)]
- ix. The Permittee shall provide a permanent, conspicuous label on or posted near each unit in GEU-7 summarizing the applicable operating requirements. [RCSA §22a-174-20(1)(3)(I)]
- x. The Permittee shall only use solvent that has a vapor pressure less than or equal to 1.0 mmHg at 20 degrees Celsius except for units in GEU-7 that meet the requirements under RCSA §22a-174-20(1)(8)(A). [RCSA §22a-174-20(1)(3)(K), RCSA §22a-174-20(1)(8)(A)]
- xi. The Permittee shall not clean sponges, fabric, wood, leather, paper and other absorbent material in a unit in GEU-7. [RCSA §22a-174-20(1)(3)(L)]

### **Section III: Applicable Requirements and Compliance Demonstration**

#### *c. Monitoring Requirements*

The Permittee shall monitor the monthly amount of solvent added to each unit in GEU-7.  
[RCSA §22a-174-20(1)(3)(J)]

#### *d. Record Keeping Requirements*

The Permittee shall maintain the following records for each unit in GEU-7:

- i. the type of solvent used, including a description of the solvent and the solvent name;
- ii. the vapor pressure of the solvent in mmHg measured at 20 degrees Celsius (68 degrees Fahrenheit);
- iii. the percent VOC content by weight; and
- iv. the amount of solvent added to each unit on a monthly basis. [RCSA §22a-174-20(1)(3)(J)]

### **L. EMISSION UNIT 6 (EU-6)**

#### **(ROB Heating Boiler)**

#### **1. 40 CFR Part 63 Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources**

(Boiler Classification: Existing oil-fired boiler at an area source with heat input capacity less than 5 MMBtu/hr)

#### *a. Limitation or Restriction*

The Permittee shall conduct a tune-up of the boiler every five years as specified in Section III.L.1.b.ii of this Title V permit. [40 CFR §63.11201(b), 40 CFR Part 63 Subpart JJJJJJ, Table 2, Condition 12]

#### *b. Monitoring Requirements*

- i. The Permittee shall, at all times, operate and maintain the boiler, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the Permittee to make any further efforts to reduce emissions if levels required by 40 CFR Part 63 Subpart JJJJJJ have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that 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 §63.11205(a)]
- ii. The Permittee shall conduct the tune-up required by Section III.L.1.a of this Title V permit as follows:
  - (A) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the Permittee may delay the burner inspection until the next scheduled unit shutdown, not to exceed 72 months from the previous inspection).  
[40 CFR §63.11223(b)(1), 40 CFR §63.11223(e)]

### Section III: Applicable Requirements and Compliance Demonstration

- (B) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available. [40 CFR §63.11223(b)(2)]
  - (C) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the Permittee may delay the inspection until the next scheduled unit shutdown, not to exceed 72 months from the previous inspection). [40 CFR §63.11223(b)(3), 40 CFR §63.11223(e)]
  - (D) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any nitrogen oxide requirement to which the unit is subject. [40 CFR §63.11223(b)(4)]
  - (E) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer. [40 CFR §63.11223(b)(5)]
  - (F) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 days of startup. [40 CFR §63.11223(b)(7)]
- iii. Each five year tune-up must be conducted no more than 61 months after the previous tune-up. [40 CFR §63.11223(e)]

#### c. Record Keeping Requirements

- i. The Permittee shall maintain on-site, a report containing the following information from each tune-up required in Section III.L.1.a: [40 CFR §63.11223(b)(6)]
  - (A) The concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler. [40 CFR §63.11223(b)(6)(i)]
  - (B) A description of any corrective actions taken as a part of the tune-up of the boiler. [40 CFR §63.11223(b)(6)(ii)]
  - (C) The type and amount of fuel used over the 12 months prior to the tune-up of the boiler, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit. [40 CFR §63.11223(b)(6)(iii)]
- ii. The Permittee shall keep a copy of each notification and report that was submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted. [40 CFR §63.11225(c)(1)]
- iii. The Permittee shall keep records that identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned. [40 CFR §63.11225(c)(2)(i)]
- iv. The Permittee shall keep records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment. [40 CFR §63.11225(c)(4)]

### **Section III: Applicable Requirements and Compliance Demonstration**

- v. The Permittee shall keep records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in Section III.L.1.b.i of this Title V permit, including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.  
[40 CFR §63.11225(c)(5)]

#### *d. Reporting Requirements*

- i. If requested by the Administrator, the Permittee shall submit the report required in Section III.L.1.c.v of this Title V permit. [40 CFR §63.11223(b)(6)]
- ii. The Permittee shall prepare a five year compliance report by March 1 of every fifth year, and submit to the delegated authority upon request, containing the following information:
  - (A) Company name and address.
  - (B) Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart. The Permittee's notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official:
    - (1) "This facility complies with the requirements in 40 CFR §63.11223 to conduct a biennial or five-year tune-up, as applicable, of each boiler."
    - (2) "No secondary materials that are solid waste were combusted in any affected unit."

[40 CFR §63.11225(b)]

### Section III: Applicable Requirements and Compliance Demonstration

#### M. 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. **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.
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.
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 III: Applicable Requirements and Compliance Demonstration**

- 18. Asbestos:** Should this stationary source, as defined in 40 CFR §61.145, become subject to the national emission standard for asbestos regulations in 40 CFR Part 61 Subpart M when conducting any renovation or demolition at this premises, then the Permittee shall submit proper notification as described in 40 CFR §61.145(b) and shall comply with all other applicable requirements including but not limited to subpart M.
- 19. Protection of Stratospheric Ozone:** The Permittee shall comply with all applicable requirements of 40 CFR Part 82 Subpart F.

## Section IV: Compliance Schedule

**TABLE IV: COMPLIANCE SCHEDULE**

<b>Emissions Unit</b>	<b>Applicable Regulations</b>	<b>Steps Required for Achieving Compliance (Milestones)</b>	<b>Date by which Each Step is to be Completed</b>	<b>Dates for Monitoring, Record Keeping, and Reporting</b>
		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.

### 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.
- 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 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.

### **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:

## **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.

## **Section VI: Title V Requirements**

### **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.

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.