



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>	135-0135-TV
<b>Client/Sequence/Town/Premises Numbers</b>	5244/1/135/117
<b>Date Issued</b>	August 15, 2016
<b>Expiration Date</b>	August 15, 2021

**Corporation:**

*United Aluminum Corporation*

**Premises Location:**

*100 United Drive, North Haven, CT 06473*

**Name of Responsible Official and Title:**

*John Lapides, President*

All the following attached pages, 2 through 30, are hereby incorporated by reference into this Title V permit.

/s/ Anne Gobin for  
Robert J. Klee  
Commissioner

August 15, 2016  
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 001 .....	9
B. Grouped Emissions Unit 002.....	10
C. Grouped Emissions Unit 003 .....	13
D. Emissions Unit 046.....	18
E. Premises-Wide General Requirements .....	19
<b>Section IV. Compliance Schedule - Table IV</b> .....	21
<b>Section V. State Enforceable Terms and Conditions</b> .....	22
<b>Section VI. Title V Requirements</b>	
A. Submittals to the Commissioner & Administrator.....	24
B. Certifications [RCSA §22a-174-33(b)].....	24
C. Signatory Responsibility [RCSA §22a-174-2a(a)] .....	24
D. Additional Information [RCSA §§22a-174-33(j)(1)(X), -33(h)(2)].....	25
E. Monitoring Reports [RCSA §22a-174-33(o)(1)] .....	25
F. Premises Records [RCSA §22a-174-33(o)(2)] .....	26
G. Progress Reports [RCSA §22a-174-33(q)(1)].....	26
H. Compliance Certifications [RCSA §22a-174-33(q)(2)].....	27
I. Permit Deviation Notifications [RCSA §22a-174-33(p)] .....	27
J. Permit Renewal [RCSA §22a-174-33(j)(1)(B)].....	27
K. Operate in Compliance [RCSA §22a-174-33(j)(1)(C)] .....	27
L. Compliance with Permit [RCSA §22a-174-33(j)(1)(G)] .....	27
M. Inspection to Determine Compliance [RCSA §22a-174-33(j)(1)(M)].....	28
N. Permit Availability .....	28
O. Severability Clause [RCSA §22a-174-33(j)(1)(R)] .....	28
P. Need to Halt or Reduce Activity [RCSA §22a-174-33(j)(1)(T)].....	28
Q. Permit Requirements [RCSA §22a-174-33(j)(1)(V)] .....	28
R. Property Rights [RCSA §22a-174-33(j)(1)(W)] .....	28
S. Alternative Operating Scenario Records [RCSA §22a-174-33(o)(3)].....	28
T. Operational Flexibility and Off-Permit Changes [RCSA §22a-174-33(r)(2)] .....	29
U. Information for Notification [RCSA §22a-174-33(r)(2)(A)].....	29
V. Transfers [RCSA §22a-174-2a(g)] .....	29
W. Revocation [RCSA §22a-174-2a(h)] .....	29
X. Reopening for Cause [RCSA §22a-174-33(s)].....	30
Y. Credible Evidence.....	30

## **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>
AFR	Air To Fuel Ratio
AP-42	AP-42, Compilation of Air Pollutant Emission Factors, 5 <sup>th</sup> Edition
ASC	Actual Stack Concentration
CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
CO	Carbon Monoxide
EU	Emissions Unit
EPA	Environmental Protection Agency
GM	Gram
GAL	Gallons
GEU	Grouped Emissions Units
HAP	Hazardous Air Pollutant
HLV	Hazard Limiting Value
HP	Horsepower
hr	Hour
lb	Pound
m <sup>3</sup>	Cubic Meter
MASC	Maximum Allowable Stack Concentration
MMBTU	Million British Thermal Units
Mft <sup>3</sup>	Thousand cubic feet
MMft <sup>3</sup>	Million cubic feet
MRC	Maximum Rated Capacity
NO <sub>x</sub>	Nitrogen Oxides
NSR	New Source Review
OSHA	Occupational Safety and Health Administration
PM <sub>10</sub>	Particulate Matter less than 10 microns
PPM	Parts Per Million
RCSA	Regulations of Connecticut State Agencies
SIC	Standard Industrial Classification Code
SO <sub>x</sub>	Sulfur Oxides
SOS	Standard Operating Scenario
TPY	Tons per year
TSP	Total Suspended Particulate
UA	United Aluminum
µg	Microgram
VOC	Volatile Organic Compound

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

### **A. PREMISES INFORMATION**

Nature of Business: Finishing of specialty aluminum strip products

Primary SIC: 3353

Facility Mailing Address: 100 United Drive, North Haven, CT 06473

Telephone Number: 203-239-5881

### **B. PREMISES DESCRIPTION**

United Aluminum Corporation (UA) finishes specialty aluminum strip products in which a coiled aluminum sheet is reduced in thickness to customer specifications. Specific processes that are utilized during finishing are cold rolling, annealing and slitting. The facility has two aluminum cold rolling mills (GEU-001) and four natural gas fired annealing furnaces (GEU-002). The facility also has the following equipment which do not require permits: six natural gas fired annealing furnaces, two electrically heated annealing furnaces, six slitters, a wastewater evaporator/concentrator, and natural gas fired equipment used for building heating and domestic water heating (twenty-five units).

Additionally, the facility has three emergency engines (GEU-003), two of which operate under the permit-by-rule regulations, RCSA Section 22a-174-3b (EU-013 and EU-044), and one which does not require a permit (EU-014). The Cummins-Onan Natural Gas Emergency Engine (EU-013), the Cummins-Onan Diesel-Fueled Emergency Engine (EU-014) and the Cummins Natural Gas Emergency Engine (Engine Model WSG-1068) (EU-044) are subject to the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR Part 63 Subpart ZZZZ). Furthermore, the Cummins Natural Gas Emergency Engine (Engine Model WSG-1068) is subject to the Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40 CFR 60 Subpart JJJJ). The emergency engine (EU-044) will comply with Subpart ZZZZ by complying with the applicable requirements of 40 CFR 60 Subpart JJJJ, pursuant to 40 CFR Part 63.6590(c).

Lastly, the facility has a Branson Ultrasonics Vapor Degreaser (EU-046) that does not use a halogenated HAP cleaning solvent as defined in 40 CFR Part 63 Subpart T. Consequently, the aforementioned degreaser is not subject to 40 CFR Part 63 Subpart T. Nonetheless, the unit is subject to RCSA Section 22a-174-20(1) and has potential emissions less than 15 tons per year.

UA is a Title V source pursuant to RCSA Section 22a-174-33(a)(10)(F)(ii) because they have potential emissions of Volatile Organic Compounds (VOC) greater than 50 tons per year. UA is located in a serious ozone non-attainment area as defined in RCSA Section 22a-174-1(103).

## Section II: Emissions Units Information

### A. EMISSIONS UNITS DESCRIPTION

Emissions units are set forth in Table II.A. It is not intended to incorporate by reference these New Source Review (NSR) Permits, Orders, Registrations, or Regulations into this Title V permit.

<b>TABLE II.A: EMISSIONS UNITS DESCRIPTION</b>				
<b>Emissions Unit</b>		<b>Emissions Unit Description</b>	<b>Control Unit Description</b>	<b>Permit, Order, Registration, or Regulation Number</b>
GEU-001 Aluminum Rolling Mills	EU-001	Aluminum Cold Rolling Mill No. Z-23 Installation Year: 1980 Maximum Throughput: 15,000 lb/hr (Approximately)	Synthetic Fiber Filter	NSR Permit No. 135-0136
	EU-002	Aluminum Cold Rolling Mill No. Z-24 Installation Year: 1967 Maximum Throughput: 5,000 lb/hr (Approximately)	Electrostatic Precipitator	
GEU-002 Furnaces	EU-003	Furnace 1 UA Modified W. S. Rockwell Furnace Installation Year: 1968 MRC: 10.4 MMBtu/hr	None	NSR Permit No. 135-0113
	EU-004	Furnace 2 UA Modified W. S. Rockwell Furnace Installation Year: 1968 MRC: 10.4 MMBtu/hr		NSR Permit No. 135-0114
	EU-005	Furnace 3 UA Modified W. S. Rockwell Furnace Installation Year: 1978 MRC: 12.3 MMBtu/hr		NSR Permit No. 135-0115
	EU-012	Furnace 11 UA Modified W. S. Rockwell Furnace Installation Year: 1995 MRC: 15.5 MMBtu/hr		NSR Permit No. 135-0116
GEU-003	EU-013	Cummins-Onan Natural Gas Emergency Engine (Spark Ignition) Installation Year: 1999 MRC: 1.13 MMBtu/hr	None	RCSA Section 22a-174-3b(e) 40 CFR Part 63 Subpart ZZZZ

**Section II: Emissions Units Information**

<b>TABLE II.A: EMISSIONS UNITS DESCRIPTION</b>				
<b>Emissions Unit</b>		<b>Emissions Unit Description</b>	<b>Control Unit Description</b>	<b>Permit, Order, Registration, or Regulation Number</b>
Emergency Engines	EU-014	Cummins-Onan Diesel-Fueled Emergency Engine (Compression Ignition) Installation Year: 1990 MRC: 3.9 gal/hour	None	40 CFR Part 63 Subpart ZZZZ
	EU-044	Cummins Natural Gas Emergency Engine (Engine Model WSG-1068) Installation Year: 2010 MRC: 1.35 MMBtu/hr		RCSA Section 22a-174-3b(e) 40 CFR Part 60 Subpart JJJJ 40 CFR Part 63 Subpart ZZZZ
EU-046		Branson Ultrasonics Model No. B1950R Vapor Degreaser Installation Year: 2011 MRC: 800 lb steel/ hr	Closed Cover, Refrigerated Chiller	RCSA Section 22a-174-22(l)

## B. OPERATING SCENARIO IDENTIFICATION

The Permittee shall be allowed to operate under the following Standard Operating Scenarios (SOS) without notifying the commissioner, provided that such operations are explicitly provided for and described in Table II.B.

<b>TABLE II.B: OPERATING SCENARIO IDENTIFICATION</b>	
<b>Emissions Units Associated with the Scenarios</b>	<b>Description of Scenario</b>
GEU-001	Two aluminum rolling mills operating in accordance with NSR Permit No.135-0136.
GEU-002	Four UA Modified W. S. Rockwell Furnaces combusting Natural Gas and operating in accordance with their respective NSR permits.
GEU-003	Two natural gas-fired emergency engines (EU-013 and EU-044) operating under RCSA Section 22a-174-3b and all three emergency engines operating in accordance with the applicable federal standards.
EU-046	A Branson Ultrasonics Vapor Degreaser that does not use a halogenated HAP cleaning solvent as defined in 40 CFR Part 63 Subpart T, and operating in compliance with RCSA Section 22a-174-20(1).



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

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

#### **A. GEU-001 - ALUMINUM COLD ROLLING MILL NOS. Z-23 (EU-001) AND Z-24 (EU-002)**

##### **1. Maximum Net Rolling Lubricant Consumption**

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

- i. The Permittee shall not exceed 18,787.88 gallons of rolling lubricant consumed over any consecutive 12-month period for Aluminum Cold Rolling Mill Nos. Z-23 and Z-24 combined. [NSR Permit No. 135-0136]

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

- i. The Permittee shall monitor the amount of rolling lubricant used over any consecutive 12-month period for Aluminum Cold Rolling Mill Nos. Z-23 and Z-24 combined by tracking the amount of lubricant added to the system, the amount of lubricant disposed with the filter media, and the amount of lubricant disposed as manifested waste. [RCSA §22a-174-33(j)(1)(K)]

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

- i. The Permittee shall keep records of the net rolling lubricant consumption in gallons. Net rolling lubricant consumption equals the gallons of make-up added to the system minus the sum of the gallons disposed with the lubricant filter media and the gallons disposed as manifested waste. Annual rolling lubricant consumption shall be based on any consecutive 12-month time period and shall be determined by adding the current month's lubricant net usage and that of the previous 11 months. The Permittee shall make these calculations monthly. [NSR Permit No. 135-0136]

###### *d. Reporting Requirements*

- i. The Permittee shall keep records on the premises indicating continual compliance with all above conditions at all times for the duration of this permit, or for the previous five years, whichever is less and shall make all records available upon the request of the commissioner. [NSR Permit 135-0136]

##### **2. VOC**

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

- i. The VOC annual emissions for Aluminum Cold Rolling Mill Nos. Z-23 and Z-24 (GEU-001) combined shall not exceed 62.0 tpy. [NSR Permit No. 135-0136]

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

- i. The Permittee shall demonstrate compliance with the VOC emissions limit listed in Section III.A.2.a.i. of this Title V permit by calculating the emission rates using mass balances. [NSR Permit No. 135-0136]

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

- i. The Permittee shall maintain records sufficient to determine compliance with Section III.A.2.a. of this Title V permit. [RCSA §22a-174-33(o)(2)]

### Section III: Applicable Requirements and Compliance Demonstration

#### *d. Reporting Requirements*

- i. The Permittee shall keep records on the premises indicating continual compliance with all above conditions at all times for the duration of this permit, or for the previous five years, whichever is less and shall make all records available upon the request of the commissioner. [NSR Permit 135-0136]

#### **B. GEU-002 - UA MODIFIED W. S. ROCKWELL FURNACE NOS. 1 (EU-003), 2 (EU-004), 3 (EU-005) AND 11 (EU-012)**

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

#### *a. Limitation or Restriction*

- i. The furnaces (GEU-002) shall only burn Natural Gas. [NSR Permit Nos. 135-0113 through 135-0116]
- ii. The maximum fuel firing rate for the furnaces shall not exceed the following limits: [NSR Permit Nos. 135-0113 through 135-0116]
  - (A) 10.4 Mft<sup>3</sup>/hr ( UA Modified W.S. Rockwell Furnace No. 1, EU-003)
  - (B) 10.4 Mft<sup>3</sup>/hr ( UA Modified W.S. Rockwell Furnace No. 2, EU-004)
  - (C) 12.3 Mft<sup>3</sup>/hr ( UA Modified W.S. Rockwell Furnace No. 3, EU-005)
  - (D) 15.5 Mft<sup>3</sup>/hr ( UA Modified W.S. Rockwell Furnace No. 11, EU-012)
- iii. The maximum fuel consumption over any consecutive 12-month period for the furnaces (GEU-002) combined shall not exceed 71.4 MMft<sup>3</sup>. [NSR Permit Nos. 135-0113 through 135-0116]

#### *b. Monitoring Requirements*

- i. The Permittee shall use a fuel metering device to continuously monitor fuel feed to the furnaces (GEU-002). [NSR Permit Nos. 135-0113 through 135-0116]

#### *c. Record Keeping Requirements*

- i. The Permittee shall keep records of total annual fuel consumption for UA Modified W.S. Rockwell Furnace Nos. 1, 2, 3, and 11 (EU-003 through EU-005 and EU-012) individually and combined. These records 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 monthly. [NSR Permit Nos. 135-0113 through 135-0116]

#### *d. Reporting Requirements*

- i. The Permittee shall keep records on the premises indicating continual compliance with all above conditions at all times and shall make them available upon request of the Commissioner for the duration of this permit, or for the previous five years, whichever is less. [NSR Permit Nos. 135-0113 through 135-0116 and Section VI.F of this Title V permit]

## Section III: Applicable Requirements and Compliance Demonstration

### 2. Criteria Pollutants Emissions

#### a. Limitation or Restriction

- i. The Permittee shall not exceed the emission limits stated herein at any time: [NSR Permit Nos. 135-0113 through 135-0116]

(A) TSP/ PM<sub>10</sub>

- (1) 0.142 lb/hr (EU-003/EU-004); 0.169 lb/hr (EU-005); 0.212 lb/hr (EU-012)
- (2) 0.014 lb/MMBtu (For each unit in GEU-002)
- (3) 0.489 tpy (GEU-002 combined)

(B) SO<sub>x</sub>

- (1) 0.006 lb/hr (EU-003/EU-004); 0.007 lb/hr (EU-005); 0.009 lb/hr (EU-012)
- (2) 0.001 lb/MMBtu (For each unit in GEU-002)
- (3) 0.021 tpy (GEU-002 combined)

(C) NO<sub>x</sub>

- (1) 1.456 lb/hr (EU-003/EU-004); 1.722 lb/hr (EU-005); 2.170 lb/hr (EU-012)
- (2) 0.140 lb/MMBtu (For each unit in GEU-002)
- (3) 4.998 tpy (GEU-002 combined)

(D) VOC

- (1) 0.029 lb/hr (EU-003/EU-004); 0.034 lb/hr (EU-005); 0.043 lb/hr (EU-012)
- (2) 0.003 lb/MMBtu (For each unit in GEU-002)
- (3) 0.099 tpy (GEU-002 combined)

(E) CO

- (1) 0.364 lb/hr (EU-003/EU-004); 0.431 lb/hr (EU-005); 0.543 lb/hr (EU-012)
- (2) 0.035 lb/MMBtu (For each unit in GEU-002)
- (3) 1.250 tpy (GEU-002 combined)

- ii. The Permittee shall operate and maintain the furnaces (GEU-002) in accordance with the manufacturer's specifications and written recommendations. [NSR Permit Nos. 135-0113 through 135-0116]

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

#### *b. Monitoring Requirements*

- i. The Permittee shall demonstrate compliance with the emissions limits listed in Section III.B.2.a.i. of this Title V permit by calculating emissions rates using the applicable AP-42, fifth edition emission factors. However, this shall not preclude the commissioner from requiring other means to demonstrate compliance with the aforementioned emissions limits, as allowed by state or federal statute, law or regulation. [NSR Permit Nos. 135-0113 through 135-0116]

#### *c. Record Keeping Requirements*

- i. The Permittee shall maintain records sufficient to determine compliance with Section III.B.2.a.i. of this Title V permit. [RCSA §22a-174-33(o)(2)]
- ii. The Permittee shall keep records of manufacturer's specifications and written recommendations for the operation and maintenance of the furnaces (GEU-002). [RCSA §22a-174-33(o)(2)]
- iii. The Permittee shall keep records of conducted maintenance. [RCSA §22a-174-33(o)(2)]

#### *d. Reporting Requirements*

- i. The Permittee shall keep records on the premises indicating continual compliance with all above conditions at all times and shall make them available upon request of the Commissioner for the duration of this permit, or for the previous five years, whichever is less. [NSR Permit Nos. 135-0113 through 135-0116 and Section VI.F of this Title V permit]

### **3. MASC Formaldehyde**

#### *a. Limitation or Restriction*

- i. The furnaces shall not cause an exceedance of the Maximum Allowable Stack Concentration (MASC) limit for Formaldehyde. [NSR Permit Nos. 135-0113 through 135-0116 and RCSA §22a-174-29]

#### *b. Monitoring Requirements*

- i. The Permittee shall demonstrate compliance with the MASC limit stated in Section III.B.3.a.i. of this Title V permit by calculating emissions rates using the applicable AP-42, fifth edition emission factors. However, this shall not preclude the commissioner from requiring other means to demonstrate compliance with the aforementioned limit, as allowed by state or federal statute, law or regulation. [NSR Permit Nos. 135-0113 through 135-0116 and RCSA §22a-174-29]

#### *c. Record Keeping Requirements*

- i. The Permittee shall maintain records sufficient to determine compliance with Section III.B.3.a.i. of this Title V permit. [RCSA §22a-174-33(o)(2)]

#### *d. Reporting Requirements*

- i. The Permittee shall keep records on the premises indicating continual compliance with all above conditions at all times and shall make them available upon request of the Commissioner for the duration of this permit, or for the previous five years, whichever is less. [NSR Permit Nos. 135-0113 through 135-0116 and Section VI.F of this Title V permit]

## Section III: Applicable Requirements and Compliance Demonstration

### C. GEU-003 - CUMMINS EMERGENCY ENGINES (EU-013, EU-014 AND EU-044)

#### 1. Maximum Hours of Operation

##### a. Limitation or Restriction

- i. The Permittee shall operate the emergency engines (EU-013 and EU-044) for a maximum of 300 hours (each) during any 12 month rolling aggregate. [RCSA §22a-174-3b(e)(2)(C)]
- ii. In accordance with 40 CFR Part 63.6640(f)(2)(i) (EU-013 and EU-014 only) or 40 CFR Part 60.4243(d)(2)(i) (EU-044 only), the Permittee may operate the emergency engines (GEU-003) for a maximum of 100 hours per calendar year each for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engines. Notwithstanding the abovementioned provisions, EU-013 and EU-044 shall be operated in a manner such that the engines remain classified as an “emergency engine” in accordance with RCSA Section 22a-174-3b(e). [RCSA §22a-174-3b(e)(2), 40 CFR Part 60.4243(d)(2) and 40 CFR Part 63.6640(f)(2)]
- iii. The Permittee may operate the Compression Ignition Engine (EU-014) for non-emergency situations as allowed by 40 CFR Part 63.6640(f)(4) and these hours shall be counted as part of the 100 hours per calendar year allowed by 40 CFR Part 63.6640(f)(2). Furthermore, in order for the engine (EU-014) to be considered an emergency stationary Reciprocating Internal Combustion Engine (RICE) under 40 CFR Part 63 Subpart ZZZZ, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations, as previously described, is prohibited. [40 CFR Parts 63.6640(f), (f)(2) and (f)(4)]

##### b. Monitoring Requirements

- i. The Permittee shall install non-resettable hour meters, if they are not already installed, for the emergency engines (EU-013 and EU-014). [40 CFR Part 63.6625(f)]

##### c. Record Keeping Requirements

- i. The Permittee shall document and keep records of the hours of operation for each emergency engine in GEU-003. The hours of operation for the emergency engines (EU-013 and EU-014) shall be recorded through the non-resettable hour meters. The Permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency. Furthermore, these records shall be used to determine compliance with the applicable limitations set forth in Section III.C.1.a. of this Title V permit. [RCSA §22a-174-3b(e)(3) and 40 CFR Part 63.6655(f)]
- ii. If the Compression Ignition Engine (EU-014) is operated in accordance with 40 CFR Part 63.6640(f)(4)(ii), the Permittee shall keep records of the notification of the emergency situation, and the date, start time and end time of engine operation for these purposes. [40 CFR Part 63.6655(f)]
- iii. The Permittee shall document and keep records of the number of hours spent for non-emergency operation for the Compression Ignition Engine (EU-014). [40 CFR Part 63.6655(f)]
- iv. The Permittee shall keep all applicable records in a form suitable and readily available for expeditious review according to 40 CFR Part 63.10(b)(1), and all records must be kept on the premises for at least five years after the date of each occurrence, measurement, maintenance, corrective action, report or record. [RCSA §22a-174-3b(e)(3) and 40 CFR Part 63.6660]

## Section III: Applicable Requirements and Compliance Demonstration

### *d. Reporting Requirements*

- i. The Permittee shall make the applicable records listed in Section III.C.1.c. (of Section III) of this Title V permit available upon request of the Commissioner. [RCSA §22a-174-3b(e)(3)]
- ii. The Permittee shall submit an annual report according to the requirements outlined in 40 CFR Part 63.6650(b), (c) and (h) for EU-013 and EU-014, when applicable. [40 CFR Parts 63.6650(b), (c) and (h)]
- iii. The Permittee shall submit an annual report according to the requirements listed in 40 CFR Part 60.4245(e) for EU-044, when applicable. [40 CFR Part 60.4245(e)]

## 2. Work Practices and Maintenance Requirements

### *a. Limitation or Restriction*

- i. The Permittee shall change the oil and filter of the Compression Ignition Engine (EU-014) every 500 hours of operation or annually, whichever comes first. The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement. The oil analysis program shall meet the requirements of 40 CFR Part 63.6625(i). [40 CFR Part 63 Subpart ZZZZ Table 2d(4)(a)]
- ii. The Permittee shall inspect the air cleaner of the Compression Ignition Engine (EU-014) and the spark plugs of the Spark Ignition Engine (EU-013) every 1,000 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR Part 63 Subpart ZZZZ Table 2d(4)(b) and (5)(b)]
- iii. The Permittee shall inspect all the hoses and belts of the emergency engines (EU-013 and EU-014) every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR Part 63 Subpart ZZZZ Table 2d(4)(c) and (5)(c)]
- iv. If any of the emergency engines (EU-013 or EU-014) are operating during an emergency and it is not possible to shutdown the engine in order to perform the work practices and/or maintenance requirements listed in Section III.C.2.a.i. through iii. of this Title V permit, or if performing the work practice and/or maintenance requirement on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice and/or maintenance requirement can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice and/or maintenance requirement should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. [40 CFR Part 63 Subpart ZZZZ Table 2d Footnote 2]
- v. The Permittee shall minimize the emergency engines' (EU-013 and EU-014) time spent at idle during startup, and minimize the engines' startup time to a period needed for appropriate and safe loading of the engines, not to exceed 30 minutes. [40 CFR Part 63.6625(h)]
- vi. The Permittee shall at all times operate and maintain the emergency engines (EU-013 and EU-014), 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 Part 63.6605(b)]

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

- vii. The Permittee shall operate and maintain the emergency engines (EU-013 and EU-014) according to the manufacturer's emission-related operation and maintenance instructions or develop and follow a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine, in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63.6625(e)]
- viii. The Permittee shall comply with the applicable General Provisions listed in Table 8 of 40 CFR Part 63 Subpart ZZZZ (EU-013 and EU-014 only) and Table 3 of 40 CFR Part 60 Subpart JJJJ (EU-044 only). [40 CFR Part 60.4246 and 40 CFR Part 63.6665]

#### *c. Record Keeping Requirements*

- i. The Permittee shall keep records sufficient to determine continuous compliance with condition C.2.a.vii. (of Section III) of this Title V permit. [40 CFR Part 63.6655(d)]
- ii. The Permittee shall keep records of the maintenance conducted on the emergency engines (EU-013 and EU-014) in order to demonstrate that the emergency engines were operated and maintained according to their maintenance plans. [40 CFR Part 63.6655(e)]
- iii. The Permittee shall keep records of the occurrence and duration of each malfunction of operation ( *i.e.*, process equipment) or monitoring equipment, and records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR Part 63.6605(b), including corrective actions to restore malfunctioning process and monitoring equipment to its normal or usual manner of operation.[ 40 CFR Parts 63.6655(a)(2) and (5)]
- iv. If the Permittee opts to utilize the oil analysis program in order to extend the specified oil change requirement listed in Section III.C.2.a.i. of this Title V permit, the Permittee shall keep records of the parameters that are analyzed as part of the oil analysis program, the results of the analysis, and the oil changes for the engine (EU-014). The analysis program must be part of the maintenance plan for the previously mentioned engine. [40 CFR Part 63.6625(i)]
- v. The Permittee shall keep a copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status, according to the requirement in 40 CFR Part 63.10(b)(2)(xiv). [40 CFR Part 63.6655(a)(1)]
- vi. The Permittee shall keep records of all notifications submitted to comply with 40 CFR Part 60 Subpart JJJJ and all documentation supporting any notification. [40 CFR Part 60.4245(a)(1)]
- vii. The Permittee shall keep all applicable records in a form suitable and readily available for expeditious review according to 40 CFR Part 63.10(b)(1), and all records must be kept on the premises for at least five years after the date of each occurrence, measurement, maintenance, corrective action, report or record. [RCSA §22a-174-3b(e)(3) and 40 CFR Part 63.6660]

#### *d. Reporting Requirements*

- i. The Permittee shall report each instance in which it did not meet the requirements listed in conditions C.2.a.i through C.2.a.iii. (of Section III) of this Title V permit. These must be reported according to the requirements specified in 40 CFR Part 63.6650 and Table 2d Footnote 2, as applicable. [40 CFR Part 63.6640(b) and 40 CFR Part 63 Subpart ZZZZ Table 2d Footnote 2]

### Section III: Applicable Requirements and Compliance Demonstration

- ii. The Permittee shall report each instance it did not meet the applicable requirements in Table 8 of 40 CFR Part 63 Subpart ZZZZ. [40 CFR Part 63.6640(e)]

#### 3. Maximum Sulfur Content in Fuel

##### a. Limitation or Restriction

- i. The sulfur content in any nongaseous fuel consumed by the engines (EU-013 and EU-044) shall not exceed 15 parts per million (ppm). [RCSA §22a-174-3b(e)(2)(D) and 40 CFR Part 63.6604(b)]
- ii. The sulfur content in any fuel consumed by the Compression Ignition Engine (EU-014) shall not exceed the applicable sulfur content limits set forth in Table 19b-1 of RCSA Section 22a-174-19b and 40 CFR Part 63.6604(b). [RCSA §22a-174-19b(d)(2) and 40 CFR Part 63.6604(b)]

##### b. Record Keeping Requirements

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

(A) The name of the fuel seller;

(B) The type of fuel purchased;

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

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

##### d. Reporting Requirements

- i. The Permittee shall report the sulfur content for the fuel burned in the Compression Ignition Engine (EU-014) in the annual emission statement. [RCSA §22a-174-4(d)(1)]
- ii. The Permittee shall keep records on the premises indicating continual compliance with all above conditions at all times and shall make them available upon request of the commissioner. The records shall be maintained for five years from the date such record is created. [RCSA §§22a-174-3b(e)(3) and 22a-174-19b(g)(4)]

#### 4. MASC

##### a. Limitation or Restriction

- i. The Permittee shall not cause or allow the equipment (GEU-003) to exceed the MASC for any applicable Hazardous Air Pollutant (HAP) listed in RCSA Section 22a-174-29 and emitted from these units. [RCSA §22a-174-29]

##### b. Monitoring Requirements

- i. The Permittee shall calculate the Actual Stack Concentration (ASC) and MASC for any applicable HAP listed in RCSA Section 22a-174-29 and emitted from these units (GEU-003). The Permittee shall demonstrate, by comparing the results from such calculations, that the ASC for each HAP does not exceed the appropriate MASC. [RCSA §22a-174-33(j)(1)(K)]



### Section III: Applicable Requirements and Compliance Demonstration

- ii. The MASC is derived using the HAPs corresponding Hazard Limiting Value (HLV) as listed in RCSA Section 22a-174-29 and is based on the stack parameters of the source. [RCSA §22a-174-29(c)]

#### c. Record Keeping Requirements

- i. The Permittee shall keep records of the MASC for each applicable HAP listed in RCSA Section 22a-174-29 and emitted from these units. [RCSA §22a-174-4(d)(1)]
- ii. The Permittee shall keep records of the ASC for each applicable HAP listed in RCSA Section 22a-174-29 and emitted from these units. [RCSA §22a-174-4(d)(1)]

#### d. Reporting Requirements

- i. The Permittee shall keep records on the premises indicating continual compliance with all above conditions at all times and shall make them available upon request of the Commissioner for the duration of this Title V permit, or for the previous five years, whichever is less. [RCSA §22a-174-3b(e)(3)]

## 5. NO<sub>x</sub>, CO and VOC

#### a. Limitation or Restriction

- i. The Cummins Natural Gas Emergency Engine (Engine Model WSG-1068) shall not exceed the following emissions thresholds: [40 CFR Part 60, Subpart JJJJ, Table 1]
  - (A) NO<sub>x</sub> - 2.0 gm/HP-hr
  - (B) CO - 4.0 gm/HP-hr
  - (C) VOC - 1.0 gm/HP-hr (Not including Formaldehyde emissions)
- ii. The Permittee shall operate and maintain the emergency engine (EU-044) according to the manufacturer's emission-related written instructions such that the applicable emission standards are met over the entire life of the engine. [40 CFR Parts 60.4234 and 60.4243(a)(1)]
- iii. The Permittee shall comply with the limits in condition C.5.a.i (of Section III) of this Title V permit by purchasing an engine certified according to procedures specified in 40 CFR Part 60, Subpart JJJJ, for the same model year. [40 CFR Part 60.4243(b)(1)]
- iv. The Permittee shall use air-to-fuel ratio (AFR) controllers with the operation of three-way catalysts. The AFR controller shall be maintained and operated appropriately in order to ensure proper operation of the engine (EU-044) to minimize emissions at all times. [40 CFR Part 60.4243(g)]

#### b. Record Keeping Requirements

- i. The Permittee shall keep documentation from the manufacturer demonstrating that the engine (Engine Model WSG-1068) is a certified engine that meets the emission standards in condition C.5.a.i. (of Section III) of this Title V permit. [40 CFR Part 60.4245(a)(3)]
- ii. The Permittee shall keep records of conducted maintenance to demonstrate compliance with condition C.5.a.ii. (of Section III) of this Title V permit. [40 CFR Part 60.4243(a)(1)]

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

- iii. The Permittee shall maintain records as described, for a minimum of five years commencing on the date such records were created. [Section VI.F of this Title V permit]

#### *c. Reporting Requirements*

- i. The Permittee shall submit all the (applicable) required notifications and reports listed in 40 CFR Part 60 Subpart JJJJ. [40 CFR Part 60.4245]
- ii. The Permittee shall provide the applicable records specified in Section III.C.5.b. of this Title V permit to the commissioner within thirty days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

### **D. EU-046 - BRANSON ULTRASONICS VAPOR DEGREASER**

#### **1. Work Practices and Maintenance Requirements**

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

- i. The Permittee shall equip the vapor degreaser with a refrigerated chiller, and a cover that can be opened and closed easily without disturbing the vapor zone. If the vapor degreaser is equipped with a lip exhaust, the cover shall be located below the lip exhaust.[RCSA §22a-174-20(1)(4)(A), (C) and (P)]
- ii. The Permittee shall keep the cover closed at all times except when processing workloads through the degreaser. [RCSA §22a-174-20(1)(4)(D)]
- iii. The Permittee shall provide the following safety switches:[RCSA §22a-174-20(1)(4)(B)]
  - (A) A condenser flow switch and device which shuts off the sump heat if the condenser coolant is not circulating or if the vapor level rises above the height of the primary condenser; and
  - (B) A spray safety switch which shuts off the spray pump if the vapor level drops more than 10 centimeters (4 inches) below the lowest condensing coil.
- iv. The Permittee shall store waste degreasing solvent only in covered containers and not dispose of waste degreasing solvent or transfer it to another party, such that greater than 20 percent of the waste degreasing solvent (by weight) can evaporate into the atmosphere. [RCSA §22a-174-20(1)(4)(E)]
- v. The Permittee shall minimize solvent carryout by: [RCSA §22a-174-20(1)(4)(F)]
  - (A) Racking parts to allow complete drainage;
  - (B) Moving parts in and out of the degreasing unit at less than 3.3 meters per minute (11 feet per minute);
  - (C) Holding the parts in the vapor zone at least thirty (30) seconds or until condensation ceases, whichever is longer;
  - (D) Tipping out any pools of solvent on the cleaned parts before removal from the vapor zone; and
  - (E) Allowing parts to dry within the degreasing unit for at least fifteen seconds or until visually dry, whichever is longer.
- vi. The Permittee shall not degrease porous or absorbent materials, such as cloth, leather, wood or rope. [RCSA §22a-174-20(1)(4)(G)]

### Section III: Applicable Requirements and Compliance Demonstration

- vii. The Permittee shall not occupy more than half of the degreaser unit's open top area with a workload and shall not load the degreasing unit to the point where the vapor level would drop more than ten (10) centimeters (4 inches) when the workload is removed from the vapor zone. [RCSA §§22a-174-20(1)(4)(H) and (I)]
- viii. The Permittee shall always spray within the vapor level and shall operate the degreasing unit so as to prevent water from being visually detectable in solvent exiting the water separator. [RCSA §§22a-174-20(1)(4)(J) and (K)]
- ix. The Permittee shall not expose the degreasing unit to drafts greater than forty (40) meters per minute (131 feet per minute) as measured between 1 and 2 meters upwind and at the same elevation as the tank lip, nor provide exhaust ventilation exceeding twenty (20) cubic meters per minute per square meter (65 cubic feet per minute per square foot) of degreasing unit open area, unless necessary to meet OSHA requirements. [RCSA §22a-174-20(1)(4)(L)]
- x. The Permittee shall not operate the unit upon the occurrence of any visible solvent leak until such leak is repaired. [RCSA §22a-174-20(1)(4)(M)]
- xi. The Permittee shall provide a permanent, conspicuous label on or posted near the degreaser summarizing the applicable operating requirements. [RCSA §22a-174-20(1)(4)(N)]

#### *b. Record Keeping Requirements*

- i. The Permittee shall keep records of the type of solvent used. These records shall include the solvent name, the percent VOC content by weight, and when applicable, the percent HAP content by weight. [RCSA §22a-174-33(o)(2)]
- ii. The Permittee shall keep records of the monthly and consecutive 12 month solvent consumption. These records shall include the amount of solvent added to the degreaser on a monthly basis. The consecutive 12 month solvent consumption shall be determined by adding each month's solvent consumption to that of the previous 11 months. [RCSA §§22a-174-20(1)(4)(O) and 22a-174-33(o)(2)]

#### *c. Reporting Requirements*

- i. The Permittee shall keep records on the premises indicating continual compliance with all above conditions and shall make them available upon request of the Commissioner for the duration of this Title V permit, or for the previous five years, whichever is less. [Section VI.F of this Title V permit]

### **E. PREMISES-WIDE GENERAL REQUIREMENTS**

- 1. Annual Emission Statements:** The Permittee shall submit annual emission statements requested by the commissioner as set forth in RCSA §22a-174-4(d)(1).
- 2. Emergency Episode Procedures:** The Permittee shall comply with the procedures for emergency episodes as set forth in RCSA §22a-174-6.
- 3. Reporting of Malfunctioning Control Equipment:** The Permittee shall comply with the reporting requirements of malfunctioning control equipment as set forth in RCSA §22a-174-7.
- 4. Prohibition of Air Pollution:** The Permittee shall comply with the requirement to prevent air pollution as set forth in RCSA §22a-174-9.

### Section III: Applicable Requirements and Compliance Demonstration

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 Content:** The Permittee shall comply with the fuel sulfur content limitations 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 IV: Compliance Schedule

<b>TABLE IV: COMPLIANCE SCHEDULE</b>				
<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>
		<b>No steps are required for achieving compliance at this time.</b>		

## Section V: State Enforceable Terms and Conditions

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

### SECTION V: STATE ENFORCEABLE TERMS AND CONDITIONS

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

## **Section V: State Enforceable Terms and Conditions**

- F.** Hazardous Air Pollutants (HAPs): The Permittee shall operate in compliance with the regulations for the control of HAPs as set forth in RCSA §22a-174-29.
- G.** Open Burning: The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).
- H.** Fuel Sulfur Content
  - 1. For the period beginning July 1, 2014 and ending June 30, 2018, the Permittee shall not use No. 2 heating oil that exceeds five hundred parts per million of sulfur by weight as set forth in CGS §16a-21a(a)(2)(A); and
  - 2. On or after July 1, 2018, the Permittee shall not use No. 2 heating oil that exceeds fifteen parts per million of sulfur by weight as set forth in CGS §16a-21a(a)(2)(B).

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

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

### **SECTION VI: TITLE V REQUIREMENTS**

#### **A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR**

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

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

Any submittal to the Administrator of the Environmental Protection Agency shall be in a computer-readable format and addressed to: U.S. EPA New England, 5 Post Office Square, Suite 100 (OES04-2), Boston, Massachusetts 02109, Attn: Air Clerk.

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## Section VI: Title V Requirements

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

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

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

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

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

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

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

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

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

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

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

This Title V permit shall not be deemed to:

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

## Section VI: Title V Requirements

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

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

### **N. PERMIT AVAILABILITY**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

### **V. TRANSFERS [RCSA §22a-174-2a(g)]**

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

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

### **W. REVOCATION [RCSA §22a-174-2a(h)]**

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

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

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

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

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

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

### **Y. CREDIBLE EVIDENCE**

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