



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>	June 28, 2021
<b>Expiration Date</b>	June 28, 2026

**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 28, are hereby incorporated by reference into this Title V permit.

for   
Betsey C. Wingfield  
Deputy Commissioner

June 28, 2021  
Date

## TABLE OF CONTENTS

	PAGE
<b>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 .....	7
<b>Section III. Applicable Requirements and Compliance Demonstration</b>	
A. Grouped Emissions Unit 1 .....	8
B. Grouped Emissions Unit 2 .....	9
C. Grouped Emissions Unit 3 .....	11
D. Emissions Unit 46 .....	17
E. Premises-Wide General Requirements .....	18
<b>Section IV. Compliance Schedule - Table IV</b> .....	20
<b>Section V. State Enforceable Terms and Conditions</b> .....	21
<b>Section VI. Title V Requirements</b>	
A. Submittals to the Commissioner & Administrator .....	22
B. Certifications [RCSA §22a-174-33(b)] .....	22
C. Signatory Responsibility [RCSA §22a-174-2a(a)] .....	22
D. Additional Information [RCSA §§22a-174-33(j)(1)(X), -33(h)(2)] .....	23
E. Monitoring Reports [RCSA §22a-174-33(o)(1)] .....	23
F. Premises Records [RCSA §22a-174-33(o)(2)] .....	24
G. Progress Reports [RCSA §22a-174-33(q)(1)] .....	24
H. Compliance Certifications [RCSA §22a-174-33(q)(2)] .....	25
I. Permit Deviation Notifications [RCSA §22a-174-33(p)] .....	25
J. Permit Renewal [RCSA §22a-174-33(j)(1)(B)] .....	25
K. Operate in Compliance [RCSA §22a-174-33(j)(1)(C)] .....	25
L. Compliance with Permit [RCSA §22a-174-33(j)(1)(G)] .....	25
M. Inspection to Determine Compliance [RCSA §22a-174-33(j)(1)(M)] .....	26
N. Permit Availability .....	26
O. Severability Clause [RCSA §22a-174-33(j)(1)(R)] .....	26
P. Need to Halt or Reduce Activity [RCSA §22a-174-33(j)(1)(T)] .....	26
Q. Permit Requirements [RCSA §22a-174-33(j)(1)(V)] .....	26
R. Property Rights [RCSA §22a-174-33(j)(1)(W)] .....	26
S. Alternative Operating Scenario Records [RCSA §22a-174-33(o)(3)] .....	26
T. Operational Flexibility and Off-Permit Changes [RCSA §22a-174-33(r)(2)] .....	26
U. Information for Notification [RCSA §22a-174-33(r)(2)(A)] .....	27
V. Transfers [RCSA §22a-174-2a(g)] .....	27
W. Revocation [RCSA §22a-174-2a(h)] .....	27
X. Reopening for Cause [RCSA §22a-174-33(s)] .....	28
Y. Credible Evidence .....	28

## **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
CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
CO	Carbon Monoxide
EU	Emissions Unit
EPA	Environmental Protection Agency
GAL	Gallons
GEU	Grouped Emissions Units
HAP	Hazardous Air Pollutant
HP	Horsepower
hr	Hour
lb	Pound
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
PTE	Potential-to-Emit
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
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 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-1) and four natural gas fired annealing furnaces (GEU-2). 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 twenty-five natural gas fired units used for building heating and domestic water heating.

The facility has three emergency engines (GEU-3), all three engines have potential emissions under 15 tpy and therefore do not require a permit. The engines in GEU-3 are also subject to the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR Part 63 Subpart ZZZZ).

- EU-44 is also subject to the Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40 CFR 60 Subpart JJJJ) because it was manufactured after June 12, 2006 and considered a “new” engine pursuant to 40 CFR §60.4230. Compliance with 40 CFR Part 63 Subpart ZZZZ is demonstrated through 40 CFR Part 60 Subpart JJJJ, pursuant to 40 CFR §63.6590(c).
- While EU-13 is also a spark ignition engine, it is considered an “existing engine” since the manufacture date is prior to June 12, 2006 and therefore not subject to 40 CFR Subpart JJJJ.
- EU-14 is a compression ignition “existing” RICE manufactured before June 12, 2006.
- None of the engines in GEU-3 are subject to RCRA §22a-174-22f since they do not exceed the applicability limits found in subsection (b)(2) of that regulation.

The facility also has a Branson Ultrasonics Vapor Degreaser (EU-46) 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 RCRA Section 22a-174-20(l) and has potential emissions less than 15 tons per year.

United Aluminum Corporation is a Title V source pursuant to RCRA Section 22a-174-33(a)(10)(F)(ii) because they have potential emissions of Volatile Organic Compounds (VOC) greater than 50 tons per year.

United Aluminum Corporation is located in a serious ozone non-attainment area as defined in RCRA Section 22a-174-1(103).

## Section II: Emissions Units Information

### A. EMISSIONS UNITS DESCRIPTION

Emissions units are set forth in Table II.A. It is not intended to incorporate by reference these NSR Permits 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 or Regulation Number</b>
GEU-1 Aluminum Rolling Mills	EU-1	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-2	Aluminum Cold Rolling Mill No. Z-24 Installation Year: 1967 Maximum Throughput: 5,000 lb/hr (Approximately)	Electrostatic Precipitator	
GEU-2 Furnaces	EU-3	Furnace 1 UA Modified W. S. Rockwell Furnace Installation Year: 1968 MRC: 10.4 MMBtu/hr	None	NSR Permit No. 135-0113
	EU-4	Furnace 2 UA Modified W. S. Rockwell Furnace Installation Year: 1968 MRC: 10.4 MMBtu/hr		NSR Permit No. 135-0114
	EU-5	Furnace 3 UA Modified W. S. Rockwell Furnace Installation Year: 1978 MRC: 12.3 MMBtu/hr		NSR Permit No. 135-0115
	EU-12	Furnace 11 UA Modified W. S. Rockwell Furnace Installation Year: 1995 MRC: 15.5 MMBtu/hr		NSR Permit No. 135-0116
GEU-3 Emergency Engines	EU-13	Cummins-Onan Natural Gas Emergency Engine (Spark Ignition) Model No 80GGHC Installation Year: 1999 MRC: 1.13 MMBtu/hr	None	40 CFR Part 63 Subpart ZZZZ
	EU-14	Cummins-Onan Diesel Fired Emergency Engine (Compression Ignition) Installation Year: 1990 MRC: 4.0 gal/hour	None	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 or Regulation Number</b>
	EU-44	Cummins Natural Gas Emergency (Spark Ignition) Engine Model No. 100 GGHH Installation Year: 2010 MRC: 1.35 MMBtu/hr		40 CFR Part 60 Subpart JJJJ  40 CFR Part 63 Subpart ZZZZ
EU-46		Branson Ultrasonics Model No. B1950R Vapor Degreaser Installation Year: 2011 MRC: 800 lb steel/ hr	Closed Cover, Refrigerated Chiller	RCSA Section 22a-174-22(1)

### B. OPERATING SCENARIO IDENTIFICATION

The Permittee shall be allowed to operate under the following Standard Operating Scenarios (SOS) and Alternative Operating Scenarios (AOS) 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-1	Two aluminum rolling mills operating in accordance with NSR Permit No.135-0136.
GEU-2	Four UA Modified W. S. Rockwell Furnaces combusting Natural Gas and operating in accordance with their respective NSR permits.
GEU-3	Two natural gas-fired emergency engines (EU-13 and EU-44), one diesel fired emergency engine (EU-14) with all three emergency engines operating in accordance with the applicable federal standards.
EU-46	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-1: Aluminum Cold Rolling Mill Nos. Z-23 (EU-1) and Z-24 (EU-2)**

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

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

Maximum Net Rolling Lubricant Consumption over any Consecutive Twelve (12) Month Period for GEU-1, combined: 18,787.88 gallons [Permit No. 135-0136]

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

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

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

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. [Permit No. 135-0136]

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

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

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

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

The VOC annual emissions for GEU-1 combined shall not exceed 62.0 tpy. [Permit No. 135-0136]

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

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

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

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

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

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



### Section III: Applicable Requirements and Compliance Demonstration

#### B. GEU-2: United Aluminum Modified and W.S. Rockwell Annealing Furnaces Nos. 1 (EU-3), 2 (EU-4), 3 (EU-5), and 11 (EU-12); Permit Nos. 135-0113 through 135-0116

##### 1. Allowable Fuel Use

###### a. Limitation or Restriction

- i. Allowable Fuel: Natural Gas  
[Permit Nos. 135-0113 through 135-0116]
- ii. Maximum Fuel Firing Rate:  
[Permit Nos. 135-0113 through 135-0116]
  - (A) EU-3: 10.4 Mft<sup>3</sup>/hr
  - (B) EU-4: 10.4 Mft<sup>3</sup>/hr
  - (C) EU-5: 12.3 Mft<sup>3</sup>/hr
  - (D) EU-12: 15.5 Mft<sup>3</sup>/hr
- iii. Combined maximum fuel consumption over any consecutive 12-month period: 71.4 MMft<sup>3</sup>  
[Permit Nos. 135-0113 through 135-0116]

###### b. Monitoring Requirements

The Permittee shall use a fuel metering device to continuously monitor fuel feed for each unit in GEU-2. [Permit Nos. 135-0113 through 135-0116]

###### c. Record Keeping Requirements

The Permittee shall keep records of total annual fuel consumption for GEU-2 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. [Permit Nos. 135-0113 through 135-0116]

###### d. Reporting Requirements

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

##### 2. Criteria Pollutant Emissions

###### a. Limitation or Restriction

- i. The Permittee shall not exceed the emission limits stated herein at any time for each unit in GEU-2:  
[Permit Nos. 135-0113 through 135-0116]
  - (A) TSP/PM<sub>10</sub>
    - (1) 0.142 lb/hr (EU-3 & EU-4)
    - (2) 0.169 lb/hr (EU-5)
    - (3) 0.212 lb/hr (EU-12)
    - (4) 0.014 lb/MMBtu (each unit in GEU-2)
    - (5) 0.489 tpy (GEU-2 combined)
  - (B) SO<sub>x</sub>
    - (1) 0.006 lb/hr (EU-3 & EU-4)

### Section III: Applicable Requirements and Compliance Demonstration

- (2) 0.007 lb/hr (EU-5)
- (3) 0.009 lb/hr (EU-12)
- (4) 0.001 lb/MMBtu (each unit in GEU-2)
- (5) 0.021 tpy (GEU-2 combined)

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

- (1) 1.456 lb/hr (EU-3 & EU-4)
- (2) 1.722 lb/hr (EU-5)
- (3) 2.170 lb/hr (EU-12)
- (4) 0.140 lb/MMBtu (each unit in GEU-2)
- (5) 4.998 tpy (GEU-2 combined)

(D) VOC

- (1) 0.029 lb/hr (EU-3 & EU-4)
- (2) 0.034 lb/hr (EU-5)
- (3) 0.043 lb/hr (EU-12)
- (4) 0.003 lb/MMBtu (each unit in GEU-2)
- (5) 0.099 tpy (GEU-2 combined)

(E) CO

- (1) 0.364 lb/hr (EU-3 & EU-4)
- (2) 0.431 lb/hr (EU-5)
- (3) 0.543 lb/hr (EU-12)
- (4) 0.035 lb/MMBtu (each unit in GEU-2)
- (5) 1.250 tpy (GEU-2 combined)

- ii. The Permittee shall operate and maintain GEU-2 in accordance with the manufacturer's specifications and written recommendations. [Permit Nos. 135-0113 through 135-0116]

*b. Monitoring Requirements*

The Permittee shall demonstrate compliance with the emissions limits in Section III.B.2.a.i of this Title V permit by calculating emissions rates using the applicable AP-42, Chapter 1.4, fifth edition, January 1995 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. [Permit Nos. 135-0113 through 135-0116]

*c. Record Keeping Requirements*

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

*c. Reporting Requirements*

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

## Section III: Applicable Requirements and Compliance Demonstration

### 3. Hazardous Air Pollutants (State Only Requirement)

#### a. Limitation or Restriction

GEU-2 shall not cause an exceedance of the Maximum Allowable Stack Concentration (MASC) for any Hazardous Air Pollutant (HAP), as applicable.

[RCSA §22a-174-29(b); Permit Nos. 135-0113 through 135-0116]

#### b. Monitoring Requirements

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

#### c. Record Keeping Requirements

The Permittee shall maintain records sufficient to determine compliance with the limitation or restriction in Section III.A.3.a of this Title V permit. [RCSA §22a-174-33(j)(1)(K)]

#### d. Reporting Requirements

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

### C. GEU-3: Cummins-Onan Emergency Engines

- **EU-13: Natural Gas Fired Emergency Engine (spark ignition); 40 CFR Part 63 Subpart ZZZZ, existing RICE constructed before June 12, 2006; PTE < 15 tpy**
- **EU-14: Diesel Fired Emergency Engine: 40 CFR Part 63 Subpart ZZZZ, existing RICE constructed before June 12, 2006; PTE < 15 tpy**
- **EU-44 Natural Gas Fired Emergency Engine; 40 CFR Part 63 Subpart ZZZ, New RICE constructed after June 12, 2006 (Compliance with 40 CFR Part 63 Subpart ZZZZ shall be demonstrated through compliance with 40 CFR Part 60 Subpart JJJJ (Spark Ignition) pursuant to 40 CFR §63.6590(c); PTE <15 tpy**

### 1. Hours of Operation

#### a. Limitation or Restriction

i. The Permittee must operate EU-13 and EU-14 in accordance with 40 CFR §63.6640(f)(1), (f)(2)(i), and (f)(4). In order for EU-13 and EU-14 to be considered an emergency stationary RICE, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs 40 CFR §63.6640 (f)(1), (f)(2)(i), and (f)(4), is prohibited. If the Permittee does not operate EU-13 and EU-14 according to the requirements in paragraphs 40 CFR §63.6640 (f)(1), (f)(2)(i), and (f)(4), EU-13 and EU-14 will not be considered an emergency engine and must meet all requirements for non-emergency engines. [40 CFR §63.6640(f)]

(A) There is no time limit on the use of emergency stationary RICE in emergency situations for EU-13 and EU-14. [40 CFR §63.6640(f)(1)]

(B) EU-13 and EU-14 may be operated for a maximum of 100 hours per calendar year in accordance with 40 CFR §63.6640(f)(2)(i). Any operation for non-emergency situations as allowed by paragraph §63.6640(f)(4) counts as part of the 100 hours per calendar year pursuant to 40 CFR §63.6640(f)(2). [40 CFR §63.6640(f)(2)]

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

- (C) EU-13 and EU-14 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 paragraph §63.6640(f)(2). Except as provided in paragraphs §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)]
- ii. The Permittee must operate EU-44 in accordance with 40 CFR §60.4243(d)(1), (d)(2)(i), and (d)(3). In order for EU-44 to be considered an emergency stationary RICE, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs 40 CFR §60.4243(d)(1), (d)(2)(i), and (d)(3) is prohibited. If you do not operate EU-44 according to the requirements in paragraphs 40 CFR §60.4243(d)(1), (d)(2)(i), and (d)(3) EU-44 will not be considered an emergency engine and must meet all requirements for non-emergency engines. [40 CFR §60.4243(d)]
  - (A) There is no time limit on the use of emergency stationary RICE in emergency situations. [40 CFR §60.4243(d)(1)]
  - (B) EU-44 may be operated for a maximum of 100 hours per calendar year in accordance with 40 CFR §60.4243(d)(2)(i). Any operation for non-emergency situations as allowed by paragraph §60.4243(d)(3) counts as part of the 100 hours per calendar year pursuant to 40 CFR §60.4243(d)(2). [40 CFR §60.4243(d)(2)]
  - (C) EU-44 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 paragraph §60.4243(d)(2). Except as provided in paragraph §60.4243(d)(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 §60.4243(d)(3)]
- b. *Monitoring Requirements*
  - i. The Permittee shall install non-resettable hour meters for EU-13 and EU-14. [40 CFR §63.6625(f)]
  - ii. The Permittee shall comply with the applicable monitoring requirements in accordance with 40 CFR §63.6625 for EU-13 and EU-14 [40 CFR §63.6625]
  - iii. The Permittee shall monitor hours of operation for EU-44. [RCSA §22a-174-33(j)(1)(K)(ii)]
- c. *Record Keeping Requirements*
  - i. The Permittee must keep records of the hours of operation for EU-13 and EU-14 through the non-resettable hour meter. The Permittee must 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. If EU-13 and EU-14 are used for the purposes specified in 40 CFR §63.6640(f)(2)(i) or 40 CFR §63.6640(f)(4)(ii), the Permittee must 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 §63.6655(f)]
  - ii. The Permittee shall keep records of the hours of operation for EU-44. [RCSA §22a-174-33(j)(1)(K)]

## Section III: Applicable Requirements and Compliance Demonstration

### d. Reporting Requirements

- i. The Permittee shall submit all applicable reports for EU-13 and EU-14 in accordance with 40 CFR §63.6650. [40 CFR §63.6650]
- ii. The Permittee shall submit all applicable reports for EU-44 in accordance with 40 CFR §60.4245(e). [40 CFR §60.4245(e)]

## 2. Work Practices and Maintenance Requirements

### a. Limitation or Restriction

- i. The Permittee shall: (EU-13 and EU-14, only)
  - (A) Change the oil and filter every 500 hours of operation or annually, whichever comes first. [40 CFR §63.6603, Table 2d, Item 4.a and 5.a]
    - (1) The Permittee may use an oil analysis program, in order to extend the specified oil change requirements, in accordance with 40 CFR §63.6625(i). [40 CFR §63.6603, Table 2d, Footnote 1]
  - (B) Inspect the air cleaner (EU-14) and spark plugs (EU-13) every 1,000 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR §63.6603, Table 2d, Item 4.b and 5.b]
  - (C) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR §63.6603, Table 2d, Item 4.c and 5.c]
  - (D) If EU-13 or EU-14 is operating during an emergency and it is not possible to shut down EU-13 and EU-14 in order to perform the work practice requirements on the schedule required in Sections III.C.2.a.i.(A) through (C) 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 §63.6603, Table 2d, Footnote 2]
  - (E) The Permittee shall minimize the EU-13 and EU-14 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 §63.6625(h)]
  - (F) At all times, operate and maintain EU-13 and EU-14, including associated air pollution control and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. [40 CFR §63.6605(b)]
  - (G) Operate and maintain EU-13 and EU-14 according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR §63.6625(e), 40 CFR §63.6640(a), Table 6, Item 9.a]
- ii. The Permittee shall comply with the applicable General Provisions listed in Table 8 of 40 CFR Part 63 Subpart ZZZZ (EU-13 & EU-14 only) and Table 3 of 40 CFR Part 60 Subpart JJJJ (EU-44 only) [40 CFR §663.6665 and 40 CFR §60.4246]

### b. Monitoring Requirements

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

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

#### *c. Record Keeping Requirements*

- i. The Permittee shall keep the following records for EU-13 and EU-14:
  - (A) 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 of Compliance Status submitted. [40 CFR §63.6655(a)(1)]
  - (B) The Permittee shall make and keep records of the occurrence and duration of any malfunction in operation. [40 CFR §63.6655(a)(2)]
  - (C) The Permittee shall make and keep records of actions taken during periods of malfunction to minimize emissions in accordance with Section III.C.2.a.i.(F) 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 §63.6655(a)(5)]
  - (D) The Permittee shall make and keep records to show continuous compliance with each applicable work practice standard in 40 CFR Part 63 Subpart ZZZZ, Table 6. [40 CFR §63.6655(d)]
  - (E) The Permittee shall make and keep records of the maintenance conducted on the emergency engine in order to demonstrate that the engine was operated and maintained according to the Permittee's maintenance plan. [40 CFR §63.6655(e)]
  - (F) The Permittee shall make and keep records of the hours of operation that is recorded through the non-resettable hour meter. The Permittee shall document how many hours are spent for emergency operations, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is operated for the purpose of a deviation in voltage or frequency, the Permittee shall make and keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for this purpose. [40 CFR §63.6655(f)]
  - (G) 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.(A)(1) 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 EU-13 and EU-14. The analysis program must be part of the maintenance plan for the previously mentioned engine. [40 CFR §63.6625(i)]
- ii. The Permittee shall keep the following records for EU-44:
  - (A) All notifications submitted to comply with 40 CFR Part 60 Subpart JJJJ and all documentation supporting any notification. [40 CFR §60.4245(a)(1)]
  - (B) Maintenance conducted on EU-44. [40 CFR §60.4245(a)(2)]
  - (C) Documentation from the manufacturer that EU-44 is certified to meet the emission standards and information required in 40 CFR Parts 90, 1048, 1054, and 1060, as applicable. [40 CFR §60.4245(a)(3)]

#### *d. Reporting Requirements*

- i. EU-13 & EU-14
  - (A) The Permittee shall report to the Administrator each instance in which a deviation from a work practice standard in Section III.C.2.a. of this Title V permit occurs. [40 CFR §63.6640(b)]
  - (B) The Permittee shall report any failure to perform the engine's management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable. [40 CFR §63.6603, Table 2d, Footnote 2]

### Section III: Applicable Requirements and Compliance Demonstration

- (C) For each deviation from a work practice standard in Section III.C.2.a of this Title V permit, the Compliance report must contain the following information: [40 CFR §63.6650(d)]:
  - (1) The Company name and address
  - (2) A statement by a responsible official with that official's name, title, and signature, certifying the accuracy of the content of the report.
  - (3) Date of report and beginning and ending dates of the reporting period.
  - (4) If a malfunction occurred during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the Permittee during a malfunction to minimize emissions in accordance with Section III.C.2.a.i.(F) of this Title V permit, including actions taken to correct a malfunction.
  - (5) The total operating time of the emergency engine at which the deviation occurred during the reporting period.
  - (6) Information on the number duration, and cause of deviations (including unknown cause, if applicable) as applicable and the corrective action taken.
- (D) The Permittee must report each instance in which the applicable requirements of 40 CFR Part 63 Subpart ZZZZ, Table 8 are not met. [40 CFR §63.6640(e)]
- (E) The Permittee must report all deviations as defined in 40 CFR Part 63 Subpart ZZZZ in the semiannual monitoring report required by 40 CFR §70.6(a)(3)(iii)(A) or 40 CFR §71.6(a)(3)(iii)(A). [40 CFR §63.6650(f)]
- ii. 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 specific by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

#### 3. Maximum Fuel Sulfur Content in Fuel (EU-14 only)

##### a. Limitation or Restriction

- i. The sulfur content in any fuel consumed in EU-14 shall not exceed 15 ppm, by weight. [RCSA §22a-174-19b(d)(2)]

##### b. Monitoring Requirements

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

##### c. Record Keeping Requirements

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

### Section III: Applicable Requirements and Compliance Demonstration

#### d. Reporting Requirements

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

#### 4. NO<sub>x</sub>, CO and VOC Emissions (EU-44 only)

##### a. Limitation or Restriction

- i. The Permittee shall comply with the following emissions standards:  
[40 CFR §60.4243(b); 40 CFR §60.4233(e), Table 1]
  - (A) NO<sub>x</sub>: 2.0 grams/hp-hr
  - (B) CO: 4.0 grams/hp-hr
  - (C) VOC: 1.0 grams/hp-hr (not including Formaldehyde emissions; Table 1, Note (d))
- ii. The Permittee shall comply with the limits in Section III.C.4.a of this Title V permit in accordance with 40 CFR §60.4243(b)(1). [40 CFR §60.4243(b)(1)]
- iii. The Permittee shall use air-to-fuel ratio (AFR) controllers with the operation of three-way catalysts/non-selective catalytic reduction. The AFR controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. [40 CFR §60.4243(g)]

##### b. Monitoring

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

##### c. Record Keeping Requirements

- i. The Permittee shall operate and maintain the certified engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance. [40 CFR §60.4243(a)(1)]
- ii. The Permittee shall keep the following records:
  - (A) All notifications submitted to comply with 40 CFR Part 60 Subpart JJJJ and all documentation supporting any documentation. [40 CFR §60.4245(a)(1)]
  - (B) Maintenance conducted on EU-44. [40 CFR §60.4245(a)(2)]
  - (C) Documentation demonstrating EU-44 is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable. [40 CFR §60.4245(a)(3)]

##### d. Reporting Requirements

- i. The Permittee shall submit all applicable notifications and reports in accordance with 40 CFR §60.4245 and Table 3 to 40 CFR Part 60 Subpart JJJJ. [40 CFR §60.4245]



### Section III: Applicable Requirements and Compliance Demonstration

#### D. EU-46: Branson Ultrasonics Vapor Degreaser; §22a-174-20(I), non-halogenated solvent

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

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

- i. The Permittee shall meet the following requirements:
  - (A) Equip EU-46 with a cover that can be opened and closed easily without disturbing the vapor zone. [RCSA §22a-174-20(I)(4)(A)]
  - (B) Provide EU-46 with the following safety switches:
    - (1) A condenser flow switch and device which shuts the sump heat if the condenser coolant is not circulating or if the vapor level rises above the height of the primary condenser; and [RCSA §22a-174-20(I)(4)(B)(i)]
    - (2) 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. [RCSA §22a-174-20(I)(4)(B)(ii)]
  - (C) The Permittee shall install a refrigerated chiller. [RCSA §22a-174-20(I)(4)(C)(ii)]
  - (D) Keep the cover closed at all times except when processing workloads through EU-46. [RCSA §22a-174-20(I)(4)(D)]
  - (E) 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(I)(4)(E)]
  - (F) Minimize solvent carryout by:
    - (1) Racking parts to allow complete drainage; [RCSA §22a-174-20(I)(4)(F)(i)]
    - (2) Moving parts in and out of EU-46 at less than 3.3 meters per minute (11 feet per minute); [RCSA §22a-174-20(I)(4)(F)(ii)]
    - (3) Holding the parts in the vapor zone at least thirty (30) seconds or until condensation ceases, whichever is longer; [RCSA §22a-174-20(I)(4)(F)(iii)]
    - (4) Tipping out any pools of solvent on the cleaned parts before removal from the vapor zone; and [RCSA §22a-174-20(I)(4)(F)(iv)]
    - (5) Allowing parts to dry within EU-46 for at least fifteen seconds or until visually dry, whichever is longer. [RCSA §22a-174-20(I)(4)(F)(iv)]
  - (G) Do not degrease porous or absorbent materials, such as cloth, leather, wood or rope. [RCSA §22a-174-20(I)(4)(G)]
  - (H) Do not occupy more than half of EU-46 open top area with a workload. [RCSA §22a-174-20(I)(4)(H)]
  - (I) Do not load EU-46 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(I)(4)(I)]
  - (J) Always spray within the vapor level. [RCSA §22a-174-20(I)(4)(J)]
  - (K) Operate EU-46 so as to prevent water from being visually detectable in solvent exiting the water separator. [RCSA §22a-174-20(I)(4)(K)]

### Section III: Applicable Requirements and Compliance Demonstration

- (L) Do not expose EU-46 to drafts greater than forty (4) 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(l)(4)(L)]
- (M) Do not operate the unit upon the occurrence of any visible solvent leak until such leak is repaired. [RCSA §22a-174-20(l)(4)(M)]
- (N) Provide a permanent, conspicuous label on or posted near EU-46 summarizing the applicable operating requirements. [RCSA §22a-174-20(l)(4)(N)]
- (O) If EU-46 is equipped with a lip exhaust, the cover shall be located below the lip exhaust. [RCSA §22a-174-20(l)(4)(P)]

#### b. Monitoring Requirements

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

#### c. Record Keeping Requirements

- i. The Permittee shall maintain a monthly record of the amount of solvent added to EU-46. [RCSA §22a-174-20(l)(4)(O)]
- ii. The Permittee shall maintain records sufficient to determine compliance with the limitation or restriction in Section III.D.1.a of this Title V permit. [RCSA §22a-174-33(j)(1)(K)]

#### d. Reporting Requirements

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

### 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. **Emission Testing:** The Permittee shall comply with the procedures for sampling, emission testing, sample analysis, and reporting as set forth in RCSA §22a-174-5.
3. **Emergency Episode Procedures:** The Permittee shall comply with the procedures for emergency episodes as set forth in RCSA §22a-174-6.
4. **Reporting of Malfunctioning Control Equipment:** The Permittee shall comply with the reporting requirements of malfunctioning control equipment as set forth in RCSA §22a-174-7.
5. **Prohibition of Air Pollution:** The Permittee shall comply with the requirement to prevent air pollution as set forth in RCSA §22a-174-9.
6. **Public Availability of Information:** The public availability of information shall apply, as set forth in RCSA §22a-174-10.
7. **Prohibition Against Concealment/Circumvention:** The Permittee shall comply with the prohibition against concealment or circumvention as set forth in RCSA §22a-174-11.

### Section III: Applicable Requirements and Compliance Demonstration

8. **Violations and Enforcement:** The Permittee shall not violate or cause the violation of any applicable regulation as set forth in RCSA §22a-174-12.
9. **Variations:** The Permittee may apply to the commissioner for a variance from one or more of the provisions of these regulations as set forth in RCSA §22a-174-13.
10. **No Defense to Nuisance Claim:** The Permittee shall comply with the regulations as set forth in RCSA §22a-174-14.
11. **Severability:** The Permittee shall comply with the severability requirements as set forth in RCSA §22a-174-15.
12. **Responsibility to Comply:** The Permittee shall be responsible to comply with the applicable regulations as set forth in RCSA §22a-174-16.
13. **Particulate Emissions:** The Permittee shall comply with the standards for control of particulate matter and visible emissions as set forth in RCSA §22a-174-18.
14. **Fuel Sulfur Content:** The Permittee shall not use No. 2 heating oil that exceeds fifteen parts per million of sulfur by weight as set forth in CGS §16a-21a(a)(2)(B) .
15. **Sulfur Compound Emissions:** The Permittee shall comply with the requirements for control of sulfur compound emissions as set forth in RCSA §§22a-174-19, 22a-174-19a and 22a-174-19b, as applicable.
16. **Organic Compound Emissions:** The Permittee shall comply with the requirements for control of organic compound emissions as set forth in RCSA §22a-174-20.
17. **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).
18. **Open Burning:** The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).
19. **Asbestos:** Should the premises, as defined in 40 CFR §61.145, become subject to the national emission standard for asbestos regulations in 40 CFR Part 61 Subpart M when conducting any renovation or demolition at this premises, then the Permittee shall submit proper notification as described in 40 CFR §61.145(b) and shall comply with all other applicable requirements of 40 CFR Part 61 Subpart M.
20. **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>
		No Steps are required for achieving compliance at this time		

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

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

### **SECTION V: STATE ENFORCEABLE TERMS AND CONDITIONS**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## **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.E. 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.

### **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:

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

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-60.

### **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).

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

### **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.