



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>	189-0237-TV
<b>Client/Sequence/Town/Premises Numbers</b>	8840/1/189/27
<b>Date Issued</b>	December 22, 2020
<b>Expiration Date</b>	December 22, 2025

**Corporation:**

*Roehm America LLC*

**Premises Location:**

*528 South Cherry Street, Wallingford, CT 06492*

**Name of Responsible Official and Title:**

*Joseph Schiers, Plant Manager*

All the following attached pages, 2 through 62, are hereby incorporated by reference into this Title V permit.

*Tracy R. Babbidge*

December 22, 2020

for

*Betsey C. Wingfield*  
Deputy Commissioner

\_\_\_\_\_  
Date

## TABLE OF CONTENTS

	<b>PAGE</b>
<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.....	7
B. Grouped Emissions Units Description - Table II.B .....	29
C. Operating Scenario Identification - Table II.C .....	29
<b>Section III. Applicable Requirements and Compliance Demonstration</b>	
A. Grouped Emissions Unit 1 .....	30
B. Emissions Unit I50 .....	39
C. Emissions Unit J01 .....	41
D. Emissions Unit K07 .....	47
E. Premises-Wide General Requirements .....	51
<b>Section IV. Compliance Schedule.....</b>	54
<b>Section V. State Enforceable Terms and Conditions .....</b>	55
<b>Section VI. Title V Requirements</b>	
A. Submittals to the Commissioner & Administrator.....	56
B. Certifications [RCSA §22a-174-33(b)]......	56
C. Signatory Responsibility [RCSA §22a-174-2a(a)] .....	56
D. Additional Information [RCSA §§22a-174-33(j)(1)(X), -33(h)(2)].....	57
E. Monitoring Reports [RCSA §22a-174-33(o)(1)] .....	57
F. Premises Records [RCSA §22a-174-33(o)(2)] .....	58
G. Progress Reports [RCSA §22a-174-33(q)(1)].....	58
H. Compliance Certifications [RCSA §22a-174-33(q)(2)].....	59
I. Permit Deviation Notifications [RCSA §22a-174-33(p)] .....	59
J. Permit Renewal [RCSA §22a-174-33(j)(1)(B)].....	59
K. Operate in Compliance [RCSA §22a-174-33(j)(1)(C)] .....	59
L. Compliance with Permit [RCSA §22a-174-33(j)(1)(G)] .....	59
M. Inspection to Determine Compliance [RCSA §22a-174-33(j)(1)(M)].....	60
N. Permit Availability.....	60
O. Severability Clause [RCSA §22a-174-33(j)(1)(R)] .....	60
P. Need to Halt or Reduce Activity [RCSA §22a-174-33(j)(1)(T)] .....	60
Q. Permit Requirements [RCSA §22a-174-33(j)(1)(V)] .....	60
R. Property Rights [RCSA §22a-174-33(j)(1)(W)] .....	60
S. Alternative Operating Scenario Records [RCSA §22a-174-33(o)(3)] .....	60
T. Operational Flexibility and Off-Permit Changes [RCSA §22a-174-33(r)(2)] .....	61
U. Information for Notification [RCSA §22a-174-33(r)(2)(A)] .....	61
V. Transfers [RCSA §22a-174-2a(g)] .....	61
W. Revocation [RCSA §22a-174-2a(h)] .....	61
X. Reopening for Cause [RCSA §22a-174-33(s)] .....	62
Y. Credible Evidence.....	62

## **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>
°C	Degree Celsius
°F	Degree Fahrenheit
AOS	Alternative Operating Scenario
AST	Aboveground Storage Tank
Bhp	Brake Horse Power
Bldg	Building
CDX	Central Data Exchange
CEDRI	Compliance and Emissions Data Reporting Interface
CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
CMS	Continuous Monitoring System
CPMS	Continuous Parameter Monitoring System
DEEP	Department of Energy and Environmental Protection
EU	Emissions Unit
EPA	Environmental Protection Agency
gal	Gallon
GEU	Grouped Emissions Unit
HAP	Hazardous Air Pollutant
hr	Hour
ITT	Intent to Test
KOH	Potassium Hydroxide
lb	Pound
LDAR	Leak Detection and Repair
MACT	Maximum Achievable Control Technology
MMA	Methyl Methacrylate
MCPU	Miscellaneous Organic Chemical Manufacturing Process Units
MMBtu	Million British Thermal Units
mmHg	Millimeters of Mercury
NERC	North American Electric Reliability Corporation
POD	Point of Determination
ppmv	Parts per million by volume
RCSA	Regulations of Connecticut State Agencies
RICE	Reciprocating Internal Combustion Engine
SIC	Standard Industrial Classification Code
SOS	Standard Operating Scenario
SSM	Startup, Shutdown, and Malfunction
SSMP	Startup, Shutdown, and Malfunction Plan
TOC	Total Organic Compounds
UST	Underground Storage Tank
VOC	Volatile Organic Compound
yr	Year

## Section I: Premises Information/Description

### A. PREMISES INFORMATION

Nature of Business: Manufacturer of Acrylic Based Thermoplastic Molding Compounds

Primary SIC: 2821

Facility Mailing Address: 528 South Cherry Street, Wallingford, CT 06492

Telephone Number: (203) 303-3500

### B. PREMISES DESCRIPTION

Roehm America LLC (Roehm) is a research-based chemical company, which develops and manufactures proprietary products and technology. Roehm currently leases eight acres of the 250 acre Allnex USA, Inc. site in Wallingford, Connecticut.

Roehm manufactures acrylic-based thermoplastic molding compounds. The thermoplastics operations, which began in 1956, are classified under the Standard Industrial Classification Code (SIC) 2821. A variety of everyday products are manufactured using Roehm's thermoplastic material, including household appliances, vacuums/floor cleaners, electronic housings, towel dispensers and food packaging for such items as plastic tubs for margarine and blister packs for crackers and cookies. In addition, a very high grade material is used in the medical field to produce various devices for transfer and purification of blood, and disposable medical diagnostic devices such as cassettes and cuvettes.

Roehm's thermoplastic operations consist of the following processes:

- Raw material storage in tanks/vessels
- Monomer preparation
- Polymer production
- Grafted rubber preparation
- Solvent recovery operations
- Dye preparation
- Post color operations

Common chemical process equipment includes blend tanks, feed tanks, reactors, distillation units, centrifuges, condensers, decanters and extruders. The bulk of emissions from the thermoplastic operations are vented to a carbon adsorber system for control of Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAP). These units are subject to the Miscellaneous Organic Chemical Manufacturing Maximum Achievable Control Technology (MACT) (40 CFR Part 63 Subpart FFFF) and Consent Order No. 8268.

As part of 40 CFR Part 63 Subpart FFFF, Roehm selected to operate under the equipment leak requirements of 40 CFR Part 63 Subpart H pursuant to 40 CFR §63.2480(a). Separately Roehm is subject to 40 CFR Part 264 Subpart BB (Standards for Hazardous Waste Treatment, Storage and Disposal Facilities-Air Emission Standards for Equipment Leaks). Equipment operating in compliance with 40 CFR Part 63 Subpart H are in compliance with 40 CFR Part 264 Subpart BB pursuant to 40 CFR §63.160(c).

Some of the storage tanks at this premises meet the applicability requirements of 40 CFR Part 60 Subpart Kb, but because they are being operated in compliance with 40 CFR Part 63 Subpart FFFF they are in compliance with 40 CFR Part 60 Subpart Kb pursuant to 40 CFR §63.2535(c).

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

Roehm has one tank (Emission Unit (EU)-A06) that is not subject to 40 CFR Part 63 Subpart FFFF. However, it is subject to 40 CFR 264 Subpart CC (Standards for Hazardous Waste Treatment, Storage and Disposal Facilities-Air Emission Standards for Tanks, Surface Impoundments and Containers) and Consent Order No. 8268.

The facility operates one diesel fired emergency generator subject to RCSA §§22a-174-3b, -22f and the Reciprocating Internal Combustion Engine (RICE) MACT (40 CFR Part 63 Subpart ZZZZ). There is one small propane fired emergency generator that is also subject to the RICE MACT.

Roehm's potential emissions exceeds the major source threshold for the following pollutants: VOC and single HAP (Toluene).

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

Roehm is subject to the following:

40 CFR Part 63 Subpart FFFF	National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing
40 CFR Part 63 Subpart ZZZZ	National Emission Standards for Reciprocating Internal Combustion Engines

## 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 Orders 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>Order or Regulation Number</b>
EU-A01	Tank 110-101A: Polybutadiene Latex Emulsion (AST) Installation Year: 1975 Maximum Rated Capacity: 40,000 gal Location: Tank Farm	Submerged Fill Pipe	Consent Order No. 8268
EU-A02	Tank 110-101B: Polybutadiene Latex Emulsion (AST) Installation Year: 1975 Maximum Rated Capacity: 40,000 gal Location: Tank Farm	Submerged Fill Pipe	Consent Order No. 8268
EU-A04	Tank 950: Methyl Methacrylate (UST) Installation Year: 1994 Maximum Rated Capacity: 60,000 gal Location: Tank Farm	Vapor Balanced Carbon Canister	Consent Order No. 8268 40 CFR Part 63 Subpart FFFF
EU-A05	Tank 951: Acrylonitrile (UST) Installation Year: 1994 Maximum Rated Capacity: 45,000 gal Location: Tank Farm	Vapor Balanced Carbon Canister	Consent Order No. 8268 40 CFR Part 63 Subpart FFFF
EU-A06	Tank 952: Waste Toluene (UST) Installation Year: 1994 Maximum Rated Capacity: 50,000 gal Location: Tank Farm	Vapor Balanced Carbon Canister	Consent Order No. 8268
EU-A07	Tank 953: Distilled Toluene CY (UST) Installation Year: 1996 Maximum Rated Capacity: 15,000 gal Location: Tank Farm	Carbon Canister	Consent Order No. 8268 40 CFR Part 63 Subpart FFFF

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
EU-A08	Tank 210: Recovered Toluene CY (AST) Installation Year: 2016 Maximum Rated Capacity: 530 gal Location: Bldg. 10A	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-A09	Tank 956: Styrene (UST) Installation Year: 1996 Maximum Rated Capacity: 20,000 gal Location: Tank Farm	Vapor Balanced  Carbon Canister	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-A10	Tank 957: Recovered Toluene XT (UST) Installation Year: 1996 Maximum Rated Capacity: 20,000 gal Location: Tank Farm	Carbon Canister	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-A11	Tank 958: Toluene Virgin (UST) Installation Year: 1996 Maximum Rated Capacity: 15,000 gal Location: Tank Farm	Vapor Balanced  Carbon Canister	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-A12	Tank 959: Distilled XT Toluene (UST) Installation Year: 1996 Maximum Rated Capacity: 24,000 gal Location: Tank Farm	Carbon Canister	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-A13	Tank 960: Ethyl Acrylate (UST) Installation Year: 1996 Maximum Rated Capacity: 15,000 gal Location: Tank Farm	Vapor Balanced  Carbon Canister	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-B01	BR-2 MMP Mix Tank Installation Year: 1986 Maximum Rated Capacity: 50 gal Location: Bldg. 10	None	Consent Order No. 8268
EU-B02	BR201 Blend Tank Installation Year: 1955-2000	Carbon Adsorber	Consent Order No. 8268

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
	Maximum Rated Capacity: 7,600 gal Location: Bldg. 10		40 CFR Part 63 Subpart FFFF
EU-B03	BR202 Blend Tank Installation Year: 1955-2000 Maximum Rated Capacity: 7,600 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268
EU-B04	BR207 Blend Tank Installation Year: 1955-2000 Maximum Rated Capacity: 4,000 gal Location: Bldg. 10	None	Consent Order No. 8268
EU-B05	BR208 Blend Tank Installation Year: 1973 Maximum Rated Capacity: 4,000 gal Location: Bldg. 10	None	Consent Order No. 8268
EU-B06	BR209 Cyrolite Dye Prep Tank Installation Year: 1970-2000 Maximum Rated Capacity: 120 gal Location: Bldg. 10	None	Consent Order No. 8268
EU-B07	BR501 Blend Tank Installation Year: 1970-2000 Maximum Rated Capacity: 7,000 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-B08V	RE 502 Blend Tank (Vent) Installation Year: 1975 Maximum Rated Capacity: 8,800 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-B08P	RE 502 Blend Tank (Purge) Installation Year: 1975 Maximum Rated Capacity: 8,800 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-B09	Maleic Anhydride Dump Station	Scrubber	Consent Order No.

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
	Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10		8268
EU-B10	BR513 Blend Tank Installation Year: 1975 Maximum Rated Capacity: 4,000 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-B11	PBD Preparation-TA-1240 Distribution Tank Installation Year: 1983 Maximum Rated Capacity: 700 gal Location: Bldg. 10	None	Consent Order No. 8268
EU-B12	PBD Preparation-Grind Filling/Grind Cooling/Grind Heating/Grind Emptying Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-B13	BR2200 Blend Tank Installation Year: 1964 Maximum Rated Capacity: 1,200 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-B14	BR 2205 Antioxidant Tank Installation Year: 1955-2000 Maximum Rated Capacity: 1,400 gal Location: Bldg. 10	None	Consent Order No. 8268
EU-B15	TA2201 Belly Tank Installation Year: 1970-2000 Maximum Rated Capacity: 10,000 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-B16	BR2206 XT Dye Solution Tank Installation Year: 1955-2000 Maximum Rated Capacity: 1,400 gal	None	Consent Order No. 8268

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
	Location: Bldg. 10		
EU-B17	TA2206 XT Dye Prep Tank Installation Year: 1984 Maximum Rated Capacity: 60 gal Location: Bldg. 10	None	Consent Order No. 8268
EU-B18	BR2209 Emulsion Tank Installation Year: 1955-2000 Maximum Rated Capacity: 325 gal Location: Bldg. 10	None	Consent Order No. 8268
EU-B19	TA2209 Emulsion Tank Installation Year: 1955-2000 Maximum Rated Capacity: 900 gal Location: Bldg. 10	None	Consent Order No. 8268
EU-B20	TA2210A BHT Solution Prep Tank Installation Year: 1996 Maximum Rated Capacity: 50 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-B21	TA2210 BHT Solution Prep Tank Installation Year: 1996 Maximum Rated Capacity: 250 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-B22	TA2211 DDM Day Tank Installation Year: 1988 Maximum Rated Capacity: 75 gal Location: Bldg. 10	None (non-HAP)	Consent Order No. 8268
EU-B23	TA2212 DDM Weigh Tank Installation Year: 1970-2000 Maximum Rated Capacity: 20 gal Location: Bldg. 10	None (non-HAP)	Consent Order No. 8268
EU-C01	RE100 Prebody Reactor Installation Year: 1955 Maximum Rated Capacity: 3,400 gal	Carbon Adsorber	Consent Order No. 8268

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
	Location: Bldg. 10		40 CFR Part 63 Subpart FFFF
EU-C02	RE300 Prebody Reactor Installation Year: 1957 Maximum Rated Capacity: 3,400 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C03	RE400 Prebody Reactor Installation Year: 1957 Maximum Rated Capacity: 3,400 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C04	RE102B Tower Reactor Installation Year: 1955-2000 Maximum Rated Capacity: 2,600 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C05	Vertical Blender VB-102 Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C06	Extruder EX-102 Rear Vent Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C07	Extruder EX-102 Zone 1 Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C08	Extruder EX-102 Zone 2 Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
			Subpart FFFF
EU-C09	Extruder EX-102 Vent Die Hood Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C10	RE302B Tower Reactor Installation Year: 1957 Maximum Rated Capacity: 2,600 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C11	Vertical Blender VB-302 Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C12	Extruder EX-302 Die Hood Vent Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C13	Extruder EX-302 Zone 1 Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C14	Extruder EX-302 Zone 2 Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C15	Extruder EX-302 Zone 3 Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
EU-C16	Extruder EX-302 Rear Vent Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C17	RE-402B Tower Reactor Installation Year: 1955-2000 Maximum Rated Capacity: 2,600 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C18	Vertical Blender VB-402 Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C19	Extruder EX-402 Rear Vent Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C20	Extruder EX-402 Zone 1 Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C21	Extruder EX-402 Zone 2 Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C22	Extruder EX-402 Die Hood Vent Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C23	CO100 XT Still	Carbon Adsorber	Consent Order No.

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
	Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A		8268  40 CFR Part 63 Subpart FFFF
EU-C24	CO210 Cyrolite Still Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C25	CF1260 Centrifuge Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C26	VP B5270 Discharge Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-C27	Post Color Extruder (1007) Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268
EU-C28	Post Color Extruder (1008) Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268
EU-D01	BR3 MMP Hold Tank Installation Year: 1986 Maximum Rated Capacity: 22 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268
EU-D02	BD102 Latex Bin Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

<b>Emissions Unit</b>	<b>Emissions Unit Description</b>	<b>Control Unit Description</b>	<b>Order or Regulation Number</b>
EU-D03	BR 201A Hold Tank Installation Year: 1984 Maximum Rated Capacity: 6,225 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268
EU-D04	BR 209A Cyrolite Dye Hold Tank Installation Year: 1970-2000 Maximum Rated Capacity: 40 gal Location: Bldg. 10	None	Consent Order No. 8268
EU-D05	BD 302 Latex Bin Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-D06	BD402 Latex Bin Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-D07	BR501A Hold Tank Installation Year: 1979 Maximum Rated Capacity: 3,260 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268
EU-D08	BR 513A Hold Tank Installation Year: 1995 Maximum Rated Capacity: 3,000 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268
EU-D09	BR516 Acrylite Recovered Toluene Hold Tank Installation Year: 1970-2000 Maximum Rated Capacity: 10,000 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268
EU-D10	T-1250 Feed Hopper Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

<b>Emissions Unit</b>	<b>Emissions Unit Description</b>	<b>Control Unit Description</b>	<b>Order or Regulation Number</b>
EU-D11	TA2206 XT Dye Hold Tank (AST) Installation Year: 1984 Maximum Rated Capacity: 60 gal Location: Bldg. 10	None	Consent Order No. 8268
EU-D12	TA2210A BHT Solution Hold Tank Installation Year: 1970-2000 Maximum Rated Capacity: 50 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268
EU-D13	TA2220 LP Solution Hold Tank Installation Year: 1988 Maximum Rated Capacity: 75 gal Location: Bldg. 10	None	Consent Order No. 8268
EU-D14	Dye Drum DR-HW55 Installation Year: 1970-2000 Maximum Rated Capacity: 55 gal Location: Bldg. 10	None	Consent Order No. 8268
EU-E01	Waste Toluene Loading Installation Year: 1970-2000 Maximum Rated Capacity: 100 gpm Location: Bldg. 10	None	Consent Order No. 8268
EU-E02	MMA Transloading – Out of Service Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-F01	Latex Centrifuge/Latex Dewater Wastewater Discharge Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-F02	CY Still Bottoms Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
EU-F03	XT Still Bottoms Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-F04	Extruder Vacuum Zone Condenser Headers Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-F05	Tower 102B Reactor Residual Water Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-F06	Tower 302B Reactor Residual Water Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-F07	Tower 402B Reactor Residual Water Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-F08	VP214 Discharge Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-F09	VP100-2 (TA 100-30) Discharge Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-F10	DE-301 Decanter	Carbon Adsorber	Consent Order No.

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
	Installation Year: 1970-2000 Maximum Rated Capacity: 300 gal Location: Bldg. 10		8268  40 CFR Part 63 Subpart FFFF
EU-F11	DE-502 Decanter Installation Year: 1955-2000 Maximum Rated Capacity: 300 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-F12	DE-603 Discharge Installation Year: 1970-2000 Maximum Rated Capacity: 300 gal Location: Bldg. 10A	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-F13	DE-703 Decanter Installation Year: 1970-2000 Maximum Rated Capacity: 300 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-F14	DE-707 Decanter Installation Year: 1985 Maximum Rated Capacity: 575 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-F15	DE-708 Decanter Installation Year: 1970-2000 Maximum Rated Capacity: 300 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-F16	Extruder Sluice Discharges (EX-102/302/402) Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-F17	Pattie Water Installation Year: 1970-2000	None	Consent Order No. 8268

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
	Maximum Rated Capacity: No Data Location: Bldg. 10		
EU-F18	Post Color Sluice Discharges (TA-1007/TA-1008) Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268
EU-F19	Maleic Anhydride Scrubber Discharge (FL-502-4) Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-G01	Decant Tank (DE-214) Installation Year: 2000 Maximum Rated Capacity: 50 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268
EU-G02	Decant Tank (DE-602) Installation Year: 1970-2000 Maximum Rated Capacity: 300 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-G03	Still Bottoms Receiver (TA-100-4) Installation Year: 2020 Maximum Rated Capacity: 320 gal Location: Bldg. 10A	Fixed Roof	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-G04	Decant Tank (DE-702) Installation Year: 1970-2000 Maximum Rated Capacity: 300 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-H01	Decant Tank (DE-707) Installation Year: 1985 Maximum Rated Capacity: 575 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

<b>Emissions Unit</b>	<b>Emissions Unit Description</b>	<b>Control Unit Description</b>	<b>Order or Regulation Number</b>
EU-H02	Accumulation Tank (TA140-204) Installation Year: 1975 Maximum Rated Capacity: 70 gal Location: Bldg. 10	None	Consent Order No. 8268
EU-H03	Decant Tank (DE-301) Installation Year: 1970-2000 Maximum Rated Capacity: 300 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-H04	Decant Tank (TA-800) Installation Year: 1970-2000 Maximum Rated Capacity: 1,500 gal Location: Bldg. 10	None	Consent Order No. 8268
EU-H05	Decant Tank (TA-802) Installation Year: 1970-2000 Maximum Rated Capacity: 1,500 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-H06	Decant Tank (DE-700) Installation Year: 1970-2000 Maximum Rated Capacity: 300 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-H07	Decant Tank (DE-703) Installation Year: 1970-2000 Maximum Rated Capacity: 300 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268
EU-H08	Decant Tank (DE-708) Installation Year: 1970-2000 Maximum Rated Capacity: 300 gal Location: Bldg. 10	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-H09	Decant Tank (DE-502) Installation Year: 1983 Maximum Rated Capacity: 300 gal	Carbon Adsorber	Consent Order No. 8268

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
	Location: Bldg. 10		40 CFR Part 63 Subpart FFFF
EU-H10	Decant Tank (DE-603) Installation Year: 1970-2000 Maximum Rated Capacity: 300 gal Location: Bldg. 10A	Carbon Adsorber	Consent Order No. 8268  40 CFR Part 63 Subpart FFFF
EU-H11	Tank (TA-6046-1) Installation Year: 1970-2000 Maximum Rated Capacity: 50 gal Location: Bldg. 10	None	Consent Order No. 8268
EU-H12	Decant Tank (DE-211) Installation Year: 2000 Maximum Rated Capacity: 70 gal Location: Bldg. 10A	None	Consent Order No. 8268
EU-I01	CN 100 RN100 Prebody Reactor Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I02	HE 105 RN100 Heater Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I03	CN 300 RN300 Prebody Reactor Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I04	HE 305 RN300 Heater Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I05	CN 400 RN400 Prebody Reactor Installation Year: 1955-2000 Maximum Rated Capacity: No Data	None	Consent Order No. 8268

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
	Location: Bldg. 10		
EU-I06	HE405 RN400 Heater Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I07	CN108 RE102B Tower Reactor Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I08	HE 103 RE102B Heater Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I09	CN 308 RE302 Tower Reactor Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I10	HE 303 RE302B Heater Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I11	CN 408 RE402B Tower Reactor Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I12	HE 403 RE402B Heater Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I13	HE 106 VB102 Heater Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

<b>Emissions Unit</b>	<b>Emissions Unit Description</b>	<b>Control Unit Description</b>	<b>Order or Regulation Number</b>
EU-I14	HE 306 VB302 Heater Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I15	HE 406 VB402 Heater Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I16	CN 102 Extruder 102 Zone 1 Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I17	CN 701 Extruder 102 Zone 2 Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I18	CN 302 Extruder 302 Zone 1 Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I19	CN 705 Extruder 302 Zone 2 Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I20	CN 702 Extruder 302 Zone 3 Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I21	CN 402 Extruder 402 Zone 1 Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I22	CN 703 Extruder 402 Zone 2	None	Consent Order No.

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
	Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10		8268
EU-I23	HE 701 102 Vacuum Pump Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I24	HE 702 302 Vacuum Pump Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I25	HE 703 402 Vacuum Pump Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I26	HE 100-30 XT Vacuum Pump Cooler Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268
EU-I27	HE 214 CY Vacuum Pump Cooler Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268
EU-I28	CN 211 CY Still Cooler Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268
EU-I29	CY Still Product Cooler (HE213) Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268
EU-I30	Ammonia Refrigeration System (CN1200) Installation Year: 1970-2000	None	Consent Order No. 8268

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
	Maximum Rated Capacity: No Data Location: Bldg. 10		
EU-I31	CN 6046-1 Toluene Recovery Unit Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I32	CN 6046-2 Toluene Recovery Unit Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I33	CN 100-6 XT Still Cooler Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268
EU-I34	CN 100-3 XT Still Reboiler Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268
EU-I35	HE 212 CY Still Reboiler Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268
EU-I36	HE 36 EX102 Lube Oil Cooler Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I37	HE 37 EX 102 Zone Oil Cooler Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I38	HE-302 EX302 Lube Oil Cooler Installation Year: 1955-2000 Maximum Rated Capacity: No Data	None	Consent Order No. 8268

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
	Location: Bldg. 10		
EU-I39	HE 304 EX302 Zone Oil Cooler Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I40	HE-402 EX402 Lube Oil Cooler Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I41	HE 404 EX404 Zone Oil Cooler Installation Year: 1955-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I42	HE 102 Sluice Water Cooler Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I43	HE 302 Sluice Water Cooler Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I44	HE 402 Sluice Water Cooler Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10	None	Consent Order No. 8268
EU-I45	HE 1007 Sluice Water Cooler Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268
EU-I46	HE 1008 Sluice Water Cooler Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268

## Section II: Emissions Units Information

**TABLE II.A: EMISSIONS UNITS DESCRIPTION**

Emissions Unit	Emissions Unit Description	Control Unit Description	Order or Regulation Number
EU-I47	HE 211 Cy Still Feed Evaporator Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268
EU-I48	HE 1007RED EX-1007 Lube Oil Cooler Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268
EU-I49	HE 1008RED EX-1008 Lube Oil Cooler Installation Year: 1970-2000 Maximum Rated Capacity: No Data Location: Bldg. 10A	None	Consent Order No. 8268
EU-I50	Cold Cleaning Unit Installation Year: 2008 Maximum Rated Capacity: 110 gal Location: Bldg. 27	None	RCSA §§22a-174-20(j) and -20(l)(3)
EU-J01	Onan Model 275DFBF Diesel Emergency Generator Installation Year: 3/1994 Maximum Rated Capacity: 3 MMBtu/hr Location: Bldg. 10	Catalytic Converter	RCSA §22a-174-3b(e)  40 CFR Part 63 Subpart ZZZZ
EU-K07	Kohler 100RZ272 Propane Emergency Generator Installation Year: 7/1999 Maximum Rated Capacity: 0.09 MMBtu/hr Location: Bldg. 22	None	40 CFR Part 63 Subpart ZZZZ

## Section II: Emissions Units Information

### B. GROUPED EMISSIONS UNITS DESCRIPTION

Grouped emissions units are set forth in Table II.B.

<b>TABLE II.B: GROUPED EMISSIONS UNITS DESCRIPTION</b>		
<b>Grouped Emissions Unit</b>	<b>Emissions Unit</b>	<b>Description</b>
GEU-01	EU-A01 through EU-I49	Miscellaneous Organic Chemical Manufacturing Equipment

### C. 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.C. There are no Alternate Operating Scenarios for the premises.

<b>TABLE II.C: OPERATING SCENARIO IDENTIFICATION</b>	
<b>Emissions Units Associated with the Scenario</b>	<b>Description of Scenario</b>
GEU-01	Miscellaneous Organic Chemical Manufacturing Equipment
EU-I50	Cold Cleaning Unit
EU-J01	Operates on diesel with less than 0.0015% sulfur on a dry weight basis
EU-K07	Operates on propane

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

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

#### **A. GEU-01: EU-A01 through EU-I49 (Miscellaneous Organic Chemical Manufacturing Equipment) Subject to: 40 CFR Part 63 Subpart FFFF and Consent Order No. 8268**

##### **1. Organic HAPs**

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

- i. *Group 1 Continuous Process Vents (as defined in 40 CFR §63.2550):* The Permittee shall reduce emissions of total organic HAP by  $\geq 98\%$  by weight or to an outlet process concentration  $\leq 20$  ppmv as organic HAP or Total Organic Compounds (TOC) by venting emissions through a closed-vent system to any combination of control devices (except a flare).  
[40 CFR §63.2455(a); 40 CFR Part 63 Subpart FFFF Table 1, Condition No. 1.a.i]
- ii. *Group 1 Batch Process Vents (as defined in 40 CFR §63.2550):* The Permittee shall reduce uncontrolled organic HAP emissions from one or more batch process vents within the process by venting *through* one or more closed-vent systems to any combination of control devices (excluding a flare) that reduce organic HAP to an outlet concentration  $\leq 20$  ppmv as TOC or total organic HAP. [40 CFR §63.2460(a); 40 CFR Part 63 Subpart FFFF Table 2, Condition No. 1.c]
- iii. For all other batch process vents within the process, the Permittee shall reduce collective organic HAP emissions by  $\geq 98\%$  by weight by venting emissions from a sufficient number of the vents through one or more closed-vent systems to any combination of control devices (except a flare).  
[40 CFR §63.2460(a); 40 CFR Part 63 Subpart FFFF Table 2, Condition No. 1.c]
- iv. *Group 1 Storage Tanks (as defined in 40 CFR §63.2550):* The Permittee shall implement vapor balancing in accordance with 40 CFR §63.1253(f) (40 CFR Part 63 Subpart GGG), except as specified in 40 CFR §§63.2470(e)(1) through (3).  
[40 CFR §63.2470(e)]
- v. *Equipment Leaks:* The Permittee shall comply with the requirements of 40 CFR Part 63 Subpart H and the requirements referenced therein, except as specified in 40 CFR §§63.2480(b) and (d).  
[40 CFR §63.2480(a); 40 CFR Part 63 Subpart FFFF, Table 6, Condition No. 1.b]
- vi. *Process Wastewater:* The Permittee shall comply with the requirements in 40 CFR §§63.132 through 63.148 (40 CFR Part 63 Subpart G) and the requirements referenced therein, except as specified in 40 CFR §63.2485.  
[40 CFR §63.2485(a); 40 CFR Part 63 Subpart FFFF, Table 7, Condition No. 1]
- vii. *Maintenance Wastewater:* The Permittee shall comply with the requirements in 40 CFR §63.105 (40 CFR Part 63 Subpart F) and the requirements referenced therein, except as specified in 40 CFR §63.2485. [40 CFR §63.2485(a); 40 CFR Part 63 Subpart FFFF, Table 7, Condition No. 2]
- viii. *Liquid Streams in an Open System within a Miscellaneous Organic Chemical Manufacturing Process Units (MCPUs):* The Permittee shall comply with the requirements in 40 CFR §63.149 (40 CFR Part 63 Subpart G) and the requirements referenced therein, except as specified in 40 CFR §63.2485. [40 CFR §63.2485(a); 40 CFR Part 63 Subpart FFFF, Table 7, Condition No. 3]

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

ix. The Permittee shall comply with the applicable General Provisions requirements according to 40 CFR Part 63 Subpart FFFF, Table 12. [40 CFR §63.2540; 40 CFR Part 63 Subpart FFFF, Table 12]

*b. Monitoring Requirements*

- i. The Permittee shall meet the closed vent system and carbon adsorber control device requirements of 40 CFR §63.982(c) and the requirements referenced therein, except when complying with Section III.A.1.a.v through Section III.A.1.a.vii of this Title V permit. [40 CFR §63.2450(e)(1)]
- ii. The following performance tests requirements apply instead of or in addition to the requirements specified in 40 CFR Part 63 Subpart SS:
  - (A) The Permittee shall conduct gas molecular weight analysis using Method 3, 3A, or 3B in 40 CFR Part 60 Appendix A. [40 CFR §63.2450(g)(1)]
  - (B) The Permittee shall measure moisture content of the stack gas using Method 4 in 40 CFR Part 60 Appendix A. [40 CFR §63.2450(g)(2)]
  - (C) The Permittee may use Method 320 of 40 CFR Part 60 Appendix A as an alternative to using Method 18, Method 25/25A, or Method 26/26A to comply with any of the emission limits specified in Section III.A.1.a of this Title V permit. When using Method 320, the Permittee shall follow the analyte spiking procedures of section 13 of Method 320, unless the Permittee demonstrates that the complete spiking procedure has been conducted at a similar source. [40 CFR §63.2450(g)(4)]
- iii. The Permittee shall record the results of each calibration check and all maintenance performed on the Continuous Parameter Monitoring System (CPMS). Such records shall include the date and time of completion of calibration and preventative maintenance of the CPMS in addition to the requirements for CPMS in 40 CFR Part 63 Subpart SS. When 40 CFR Part 63 Subpart SS uses the term “a range” or “operating range” of a monitored parameter, it means an “operating limit” for a monitored parameter for the purposes of 40 CFR Part 63 Subpart FFFF.  
[40 CFR §§63.2450(k)(1) and (2); 40 CFR §63.998(c)(1)(ii)(A)]
- iv. The Permittee shall ensure that the exclusion of monitoring data collected during periods of startup, shutdown and malfunction from daily averages, as referenced in 40 CFR §§63.152(f)(7)(ii) through (iv) and 40 CFR §§63.998(b)(2)(iii) and (b)(6)(i)(A), do not apply for purposes of compliance with 40 CFR Part 63 Subpart FFFF. [40 CFR §63.2450(l)]
- v. The Permittee may open a safety device, as defined in 40 CFR §63.2550, at any time conditions require it to avoid unsafe conditions. [40 CFR §63.2450(p)]

*c. Record Keeping Requirements*

- i. The Permittee shall make and keep each applicable record required by 40 CFR Part 63 Subpart A and in referenced subparts F, G, H, SS, UU, WW and GGG of 40 CFR Part 63 and 40 CFR Part 65 Subpart F. [40 CFR §63.2525(a)]
- ii. The Permittee shall make and keep records of each operating scenario as specified below:  
[40 CFR §63.2525(b)]
  - (A) A description of the process and the type of process equipment used.

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

[40 CFR §63.2525(b)(1)]

- (B) An identification of related process vents, including their associated emission episodes; wastewater Point of Determination (POD); storage tanks; and transfer racks.  
[40 CFR §63.2525(b)(2)]
- (C) The applicable control requirements of 40 CFR Part 63 Subpart FFFF, including the level of required control, and for vents, the level of control for each vent. [40 CFR §63.2525(b)(3)]
- (D) The control device or treatment process used, as applicable, including a description of operating and/or testing conditions for any associated control device.  
[40 CFR §63.2525(b)(4)]
- (E) The process vents, wastewater POD, transfer racks, and storage tanks (including those from other processes) that are simultaneously routed to the control device or treatment process.  
[40 CFR §63.2525(b)(5)]
- (F) The applicable monitoring requirements of 40 CFR Part 63 Subpart FFFF and any parametric level that assures compliance for all emissions routed to the control device or treatment process. [40 CFR §63.2525(b)(6)]
- (G) Calculations and engineering analyses required to demonstrate compliance.  
[40 CFR §63.2525(b)(7)]

iii. The Permittee shall make and keep a schedule or log of operating scenarios for processes with batch vents from batch operations updated each time a different operating scenario is put into effect. [40 CFR §63.2525(c)]

iv. The Permittee shall make and keep the following records for Group 1 Batch Process Vents (as defined in 40 CFR §63.2550) from batch process vents in compliance with a percent reduction limit in Section III.A.1.a.ii and iii of this Title V permit if some of the vents are controlled to less than the percent reduction requirement: [40 CFR §63.2525(d)]

- (A) Records of whether each batch operated was considered a standard batch;  
[40 CFR §63.2525(d)(1)]
- (B) The estimated uncontrolled and controlled emissions for each batch that is considered to be a nonstandard batch. [40 CFR §63.2525(d)(2)]

v. The Permittee shall make and keep a record of each time a safety device is opened to avoid unsafe conditions in accordance with 40 CFR §63.2450(p). [40 CFR §63.2525(f)]

vi. The Permittee shall make and keep records of the results of each CPMS calibration check and the maintenance performed, as specified in 40 CFR §63.2450(k)(1). [40 CFR §63.2525(g)]

vii. The Permittee shall not be required to include Group 2 emission points (as defined in 40 CFR §63.2550) in their Startup, Shutdown, and Malfunction Plan (SSMP) required by 40 CFR §63.6(e)(3), unless those emission points are used in an emissions average. For equipment leaks, the SSMP requirement is limited to control devices and is optional for other equipment.  
[40 CFR §63.2525(j)]

viii. The Permittee shall make and keep records sufficient to show compliance with the applicable

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

General Provisions requirement of 40 CFR Part 63 Subpart FFFF, Table 12.  
[RCSA §22a-174-33(j)(1(K)(ii)]

#### *d. Reporting Requirements*

- i. When 40 CFR §63.2455 through 40 CFR §63.2490 reference other subparts in 40 CFR Part 63 that use the term “periodic report,” it means “compliance report” for the purposes of 40 CFR Part 63 Subpart FFFF. The compliance report shall include the information specified in 40 CFR §63.2520(e), as well as the information in specified in referenced subparts. [40 CFR §63.2450(m)(1)]
- ii. When there are conflicts between 40 CFR Part 63 Subpart FFFF and referenced subparts for the due dates of reports required by 40 CFR Part 63 Subpart FFFF, reports shall be submitted according to the due dates presented in 40 CFR Part 63 Subpart FFFF. [40 CFR §63.2450(m)(2)]
- iii. Excused excursions, as defined in 40 CFR 63 Subparts G and SS, are not allowed.  
[40 CFR §63.2450(m)(3)]
- iv. In addition to the reporting required in Section VI of this Title V permit, the Permittee shall submit semi-annual compliance reports in accordance with the dates in Section VI.E of this Title V permit which contain the following information: [40 CFR §63.2520(e)]:
  - (A) Company name and address. [40 CFR §63.2520(e)(1)]
  - (B) Statement by a responsible official with that official's name, title, and signature, certifying the accuracy of the content of the report. [40 CFR §63.2520(e)(2)]
  - (C) Date of report and beginning and ending dates of the reporting period.  
[40 CFR §63.2520(e)(3)]
  - (D) For each Startup, Shutdown, and Malfunction (SSM) during which excess emissions occur, the compliance report shall include records that the procedures specified in the SSMP were followed or documentation of actions taken that are not consistent with the SSMP, and include a brief description of each malfunction. [40 CFR §63.2520(e)(4)]
  - (E) The compliance report shall contain the following information on deviations, as defined in 40 CFR §63.2550: [40 CFR §63.2520(e)(5)]
    - (1) If there are no deviations from any emission limit, operating limit or work practice standard specified in 40 CFR Part 63 Subpart FFFF, include a statement that there were no deviations from the emission limits, operating limits, or work practice standards during the reporting period. [40 CFR §63.2520(e)(5)(i)]
    - (2) For each deviation from an emission limit, operating limit, and work practice standard that occurs where a Continuous Monitoring System (CMS) is not used to comply with the emission limit or work practice standard, the compliance report shall include the following information. This includes periods of SSM. [40 CFR §63.2520(e)(5)(ii)]
      - (a) The total operating time of the affected source during the reporting period.  
[40 CFR §63.2520(e)(5)(ii)(A)]
      - (b) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

### Section III: Applicable Requirements and Compliance Demonstration

[40 CFR §63.2520(e)(5)(ii)(B)]

- (c) Operating logs of processes with batch vents from batch operations for the day(s) during which the deviation occurred, except operating logs are not required for deviations of the work practice standards for equipment leaks.  
[40 CFR §63.2520(e)(5)(ii)(C)]
- (3) For each deviation from an emission limit or operating limit that occurs when CMS is being used to comply with an emission limit, the compliance report shall include the following information. This includes periods of SSM. [40 CFR §63.2520(e)(5)(iii)]
  - (a) The date and time that each CMS was inoperative, except for zero (low-level) and high-level checks. [40 CFR §63.2520(e)(5)(iii)(A)]
  - (b) The date, time, and duration that each continuous emission monitoring system was out-of-control, including the information in 40 CFR §63.8(c)(8).  
[40 CFR §63.2520(e)(5)(iii)(B)]
  - (c) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period. [40 CFR §63.2520(e)(5)(iii)(C)]
  - (d) A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total operating time of the affected source during that reporting period. [40 CFR §63.2520(e)(5)(iii)(D)]
  - (e) A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.  
[40 CFR §63.2520(e)(5)(iii)(E)]
  - (f) A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the affected source during that reporting period.  
[40 CFR §63.2520(e)(5)(iii)(F)]
  - (g) An identification of each HAP that is known to be in the emission stream.  
[40 CFR §63.2520(e)(5)(iii)(G)]
  - (h) A brief description of the process units. [40 CFR §63.2520(e)(5)(iii)(H)]
  - (i) A brief description of the CMS. [40 CFR §63.2520(e)(5)(iii)(I)]
  - (j) The date of the latest CMS certification or audit. [40 CFR §63.2520(e)(5)(iii)(J)]
  - (k) Operating logs of processes with batch vents from batch operations for each day(s) during which the deviation occurred. [40 CFR §63.2520(e)(5)(iii)(K)]
  - (l) The operating day or operating block average values of monitored parameters for each day(s) during which the deviation occurred.  
[40 CFR §63.2520(e)(5)(iii)(L)]

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

- (4) If it was documented in the notification of compliance status report that an MCPU has Group 2 batch process vents (as defined in 40 CFR §63.2550) because the non-reactive HAP is the only HAP and usage is less than 10,000 lb/yr, the total uncontrolled organic HAP emissions from the batch process vents in an MCPU will be less than 1,000 lb/yr for the anticipated number of standard batches, or total uncontrolled hydrogen halide and halogen HAP emissions from all batch process vents and continuous process vents in a process are less than 1,000 lb/yr, include the records associated with each calculation required by 40 CFR §63.2525(e) that exceeds an applicable HAP usage or emissions threshold. [40 CFR §63.2520(e)(5)(iv)]
- (F) Include each new operating scenario which has been operated since the time period covered by the last compliance report and has not been submitted in the notification of compliance status report or a previous compliance report. For each new operating scenario, the Permittee shall provide verification that the operating conditions for any associated control or treatment device have not been exceeded and that any required calculations and engineering analyses have been performed. For the purposes of this paragraph, a revised operating scenario for an existing process is considered to be a new operating scenario. [40 CFR §63.2520(e)(7)]
- (G) Applicable records and information for periodic reports as specified in referenced subparts F, G, H, SS, UU, WW, and GGG of 40 CFR Part 63 and 40 CFR Part 65 Subpart F. [40 CFR §63.2520(e)(9)]
- (H) Except as specified in 40 CFR §63.2520(e)(10)(ii), whenever the Permittee makes a process change, or change any of the information submitted in the notification of compliance status report or a previous compliance report that is not within the scope of an existing operating scenario, the Permittee shall document the change in the compliance report. A process change does not include moving within a range of conditions identified in the standard batch, and a nonstandard batch does not constitute a process change. The notification shall include all of the following information: [40 CFR §63.2520(e)(10)(i)]
  - (1) A description of the process change. [40 CFR §63.2520(e)(10)(i)(A)]
  - (2) Revisions to any of the information reported in the original notification of compliance status report as required by 40 CFR §63.2520(d). [40 CFR §63.2520(e)(10)(i)(B)]
  - (3) Information required by the notification of compliance status report under 40 CFR §63.2520(d) for changes involving the addition of processes or equipment at the affected source. [40 CFR §63.2520(e)(10)(i)(C)]
- (I) The Permittee shall submit a report 60 days before the scheduled implementation date of any of the following: [40 CFR §63.2520(e)(10)(ii)]
  - (1) Any change to the information contained in the precompliance report. [40 CFR §63.2520(e)(10)(ii)(A)]
  - (2) A change in the status of a control device from small to large. [40 CFR §63.2520(e)(10)(ii)(B)]
  - (3) A change from Group 2 to Group 1 (as they are defined in 40 CFR §63.2550) for any emission point except for batch process vents that meet the conditions specified in 40 CFR §63.2460(b)(6)(i). [40 CFR §63.2520(e)(10)(ii)(C)]

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

- v. A change to any elements in Section III.A.1.c.ii of this Title V permit not previously reported, except for Section III.A.1.c.ii.(E) of this Title V permit, constitutes a new operating scenario. [40 CFR §63.2525(b)(8)]

#### **2. VOC**

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

- i. The Permittee shall not place, store, or hold in any stationary storage vessel with a capacity between 100 gallons and 10,000 gallons, any volatile organic compounds with a vapor pressure of 0.40 pounds per square inch or greater under actual storage conditions unless such vessel is either: [Consent Order No. 8268, Paragraph B.1]
  - (A) equipped with a permanent submerged fill pipe with a discharge point eighteen inches or less from the bottom of the storage vessel, or
  - (B) equipped with a pressure/vacuum conservation vent to minimize evaporation of tank contents.
- ii. The Permittee shall not place, store, or hold in any stationary storage vessel with a capacity equal to or greater than 10,000 gallons, any volatile organic compounds with a vapor pressure of 0.40 pounds per square inch or greater under actual storage conditions unless such vessel is either: [Consent Order No. 8268, Paragraph B.2]
  - (A) equipped with a vapor recovery system that collects all volatile organic compound vapors and gases discharged from the tank and a vapor return or disposal system that is designed to process such vapors so as to reduce their emission to the atmosphere by at least 95% by weight, or
  - (B) other equipment capable of achieving emissions reductions equivalent to those required in Section III.A.2.a.ii.(A) of this Title V permit.
- iii. The Permittee shall operate and maintain a VOC capture and recovery device or devices, which shall continually achieve, at least, an 85% reduction in uncontrolled emissions from the following processes: [Consent Order No. 8268, Paragraph B.3]
  - (A) Monomer Preparation
  - (B) Polymer Preparation
  - (C) Grafted Rubber Preparation
  - (D) Solvent Recovery Operations
  - (E) Dye Preparation
  - (F) Post Color Operation
- iv. The Permittee shall not allow VOC emissions from the VOC capture and recovery device(s) to exceed 10% of the mass of VOC entering the system. [Consent Order No. 8268, Paragraph B.3]

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

#### *b. Monitoring Requirements*

- i. The Permittee shall perform Leak Detection and Repair (LDAR) activities in accordance with either RCSA §§22a-174-20(x)(3) through 22a-174-20(x)(13)(F), notwithstanding the provisions of RCSA §§22a-174-20(x)(2) and 22a-174-20(x)(13)(A), or applicable LDAR standards set forth in 40 CFR Part 61 or 40 CFR Part 63, whichever is more stringent.  
[Order No. 8268, Paragraph B.4]
- ii. The Permittee shall operate and maintain the VOC capture and recovery devices required in Sections III.A.2.a.ii, iii and iv of this Title V permit in accordance with the approved Operations and Maintenance Plan and Sections III.A.2.a.ii, iii and iv of this Title V permit.  
[Order No. 8268, Paragraph B.5]
- iii. The Permittee shall perform stack emissions testing to evaluate the performance of the VOC capture and recovery device(s) required in Section III.A.2.a.iii and iv of this Title V permit. Testing shall be repeated such that no less than two programs of emissions testing are performed during each span of five consecutive calendar years from the date of the initial test performed in accordance with Order No. 8268. The Permittee shall allow at least, 730 days between the conduct of each program of emissions tests. Stack emissions testing shall be in accordance with RCSA §22a-174-5 and the following [Order No. 8268, Paragraphs B.8.a and f]:
  - (A) At least 120 days prior to the anticipated due date of the test, the Permittee shall submit an Intent to Test (ITT) package consisting of an ITT form (Form AE404) and a test protocol describing the performance of emissions testing to evaluate the performance of the VOC capture and recovery device(s) to ensure compliance with Section III.A.3.a.iii of this Title V permit. The test protocol shall be consistent with the CT DEEP Bureau of Air Management's Emission Source Test Guideline specifying the test methodology to be followed and the conditions under which the facility and VOC capture and recovery device(s) will be operated. The protocol shall provide a detailed analysis of the product types and corresponding production rates that correspond to no less than 90% of the maximum hourly VOC emissions from each process. All proposed test methods shall comply with appropriate federal test methods or other methods acceptable to the commissioner and the Environmental Protection Agency (EPA). The ITT packages shall demonstrate compliance with the applicable requirements of 40 CFR Parts 51, 60 and 61. The CT DEEP and the EPA shall approve any proposed test methods that deviate from those specified in these regulations prior to stack testing. All sampling ports shall be installed and located in compliance with 40 CFR Part 60 Appendix A, Method 1. Final plans showing the location of all sampling ports shall be submitted with the ITT package. [Order No. 8268, Paragraphs B.8.a and f]
  - (B) The Permittee shall respond to any inquiry or notice of deficiency from the commissioner or commissioner's agent regarding the ITT package within 30 days of the Permittee's receipt of said notice. [Order No. 8268, Paragraph B.8.b]
  - (C) Not more than 90 days after receiving the approval from the commissioner or commissioner's designee regarding the ITT package, the Permittee shall complete emissions testing in accordance with the approved ITT package. The Permittee shall contact the CT DEEP Bureau of Air Management's Source Monitoring Group to schedule a date and time that would allow the commissioner or commissioner's designee to witness the emissions tests. [Order No. 8268, Paragraph B.8.c]

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

- (D) Not more than 60 days after the completion of the emissions tests, the Permittee shall submit a written report providing the results of the emissions tests.  
[Order No. 8268, Paragraph B.8.d]
- (E) The Permittee shall respond to any inquiry or notice of deficiency from the commissioner or commissioner's agent regarding the report within 15 days of the Permittee's receipt of said notice. [Order No. 8268, Paragraph B.8.e]

iv. The Permittee shall comply with the provisions of RCSA §22a-174-7 in the event of a malfunction of the VOC capture and recovery device(s) or any associated parametric monitoring systems.  
[Order No. 8268, Paragraph B.10]

c. *Record Keeping Requirements*

- i. The Permittee shall make and keep records of all manufacturer's literature, operating manuals, and warranty information pertaining to VOC capture and recovery device(s).  
[Order No. 8268, Paragraph B.7.A]
- ii. The Permittee shall make and keep all material safety data sheets for raw materials that result in the emission of VOCs. [Order No. 8268, Paragraph B.7.B]
- iii. The Permittee shall make and keep a log of all maintenance and repair events performed on VOC capture and recovery devices specified in Sections III.A.2.a.ii, iii and iv of this Title V permit, which shall include:  
[Order No. 8268, Paragraph B.7.C]
  - (A) A description of the event;
  - (B) The date the event occurred; and
  - (C) A list of parts repaired and or replaced during the event.
- iv. The Permittee shall make and keep records of all control device operating parameters specified in the Operations and Maintenance Plan with the frequency specified in such plan.  
[Order No. 8268, Paragraph B.7.D]
- v. The Permittee shall make and keep records of all periods of operations during which the control device operating parameters deviate from the acceptable ranges in the Operations and Maintenance Plan while the processes covered by Section III.A.2.a.iii of this Title V permit are operating.  
[Order No. 8268, Paragraph B.7.E]
- vi. The Permittee shall make and keep records of the control device operating hours, including date and time. Such records shall also distinguish between periods of solvent adsorption and adsorption media regeneration. [Order No. 8268, Paragraph B.7.F]
- vii. The Permittee shall make and keep an up-to-date diagram of the facility indicating the emission units that are directly controlled by the VOC capture and recovery devices specified in Sections III.A.2.a.ii, iii and iv of this Title V permit. [Order No. 8268, Paragraph B.7.G]
- viii. The Permittee shall make and keep records of the monthly quantity of each virgin, VOC-containing raw material and the monthly quantity of each recycled/recovered raw material added to the processes covered by Section III.A.2.a.iii and iv of this Title V permit.  
[Order No. 8268, Paragraph B.7.H]

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

- ix. The Permittee shall make and keep records of LDAR activities in accordance with the LDAR provisions prescribed in Section III.A.2.b.i of this Title V permit.  
[Order No. 8268, Paragraph B.7.I]
- x. The Permittee shall calculate and record the total emissions of VOC discharged during the previous calendar month and the total emissions of VOC discharged during the previous 12 consecutive months ending with the previous month. These calculations shall be conducted on or before the 15<sup>th</sup> day of each month for processes covered by Section III.A.2.a.iii and iv of this Title V permit.  
[Order No. 8268, Paragraph B.7.J]

#### *d. Reporting Requirements*

- i. The Permittee shall, prior to implementing any change to the Operations and Maintenance Plan that may increase emissions or reduce overall control efficiency of the device(s) required in Section III.A.2.a.ii, iii and iv of this Title V permit, submit such changes, in writing, to the commissioner and the Administrator and obtain written approval from both the commissioner and the Administrator. [Order No. 8268, Paragraph B.5]
- ii. The Permittee shall not alter the initially approved method of calculating emissions until the Permittee submits the alteration to the commissioner and the EPA, in writing, and obtains the commissioner's and the EPA's approval of the alteration in writing.  
[Order No. 8268, Paragraph B.6]
- iii. The Permittee shall notify the CT DEEP in writing of plans to replace VOC capture and recovery device(s) not less than 180 days prior to the date planned for the replacement, unless such replacement is due to a catastrophic failure or the control system is destroyed by some other act other than negligent operation. The replacement shall not occur unless the Permittee demonstrates, to the commissioner's satisfaction, that the design of the replacement system should result in emissions reductions that are at least equivalent to the requirements in Section III.A.2.a.iii and iv of this Title V permit. [Order No. 8268, Paragraph B.9]

#### **B. EU-I50 (Cold Cleaning Unit)**

**Subject to: RCSA §§22a-174-20(j) and -20(l)(3)**

#### **1. VOC**

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

- i. The Permittee shall not, during any one day, dispose of more than one and one-half gallons (5.7 liters) of any VOC or of any material containing more than one and one-half gallons (5.7 liters) of any VOC by any means which will permit the evaporation of such solvent into the atmosphere.  
[RCSA §22a-174-20(j)]
- ii. The Permittee shall use only solvent that has a vapor pressure less than or equal to 1.0 mmHg at 20°C. [RCSA §22a-174-20(l)(3)(K)]

##### *b. Monitoring Requirements*

- i. The Permittee shall use the following work practices: [RCSA §22a-174-20(l)(3)]

(A) Equip the cleaning device with a cover that is easily operated with one hand;

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

[RCSA §22a-174-20(1)(3)(A)]

- (B) Equip the cleaning device with an internal rack or equipment for draining cleaned parts so that parts are enclosed under the cover while draining. Such drainage rack or equipment may be external for applications where an internal type cannot fit into the cleaning system; [RCSA §22a-174-20(1)(3)(B)]
- (C) Collect and store waste solvent in closed containers. Closed containers used for storing waste solvent may contain a device that allows pressure relief but does not allow liquid solvent to drain from the container; [RCSA §22a-174-20(1)(3)(C)]
- (D) Close the cover if parts are not being handled in the cleaner for two minutes or more, or if the device is not in use; [RCSA §22a-174-20(1)(3)(D)]
- (E) Drain the cleaned parts for at least 15 seconds or until dripping ceases, whichever is longer; [RCSA §22a-174-20(1)(3)(E)]
- (F) Minimize the drafts across the top of each cold cleaning unit such that whenever the cover is open the unit is not exposed to drafts greater than 40 meters per minute, as measured between one and two meters upwind, at the same elevation as the tank lip; [RCSA §22a-174-20(1)(3)(G)]
- (G) Do not operate the unit upon the occurrence of any visible solvent leak until such leak is repaired. Any leaked solvent or solvent spilled during transfer shall be cleaned immediately, and the wipe rags or other sorbent material used to clean the spilled or leaked solvent shall be immediately stored in covered containers for disposal or recycling; [RCSA §22a-174-20(1)(3)(H)]
- (H) Provide a permanent, conspicuous label on or posted near each unit summarizing the applicable operating requirements and; [RCSA §22a-174-20(1)(3)(I)]
- (I) Shall not clean sponges, fabric, wood, leather, paper and other absorbent material in a cold cleaning machine. [RCSA §22a-174-20(1)(3)(L)]

*c. Record Keeping Requirements*

- i. The Permittee shall make and keep records of the following for a minimum of five years after such record is made: [RCSA §22a-174-20(1)(3)(J)]
  - (A) The type of solvent used, including a description of the solvent and the solvent name; [RCSA §22a-174-20(1)(3)(J)(i)]
  - (B) The vapor pressure of the solvent in mmHg measured at 20°C (68°F); [RCSA §22a-174-20(1)(3)(J)(ii)]
  - (C) The percent VOC content by weight; and [RCSA §22a-174-20(1)(3)(J)(iii)]
  - (D) The amount of solvent added to each unit on a monthly basis. [RCSA §22a-174-20(1)(3)(J)(iv)]
- ii. The Permittee shall make and keep daily records of the volume and type of VOC disposed and means of disposal. [RCSA 22a-174-33(j)(1)(K)(ii)]

### **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)]

#### **C. EU-J01 (Onan Model 275DFBF Diesel Emergency Generator)**

**Subject to: RCSA §22a-174-3b(e) and 40 CFR Part 63 Subpart ZZZZ**

**RICE MACT Designation: Emergency, Existing CI, ≤500 Bhp, Constructed before 6/12/06**

#### **1. Hours of Operation**

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

- i. The generator shall not be operated except during periods of testing and scheduled maintenance or during an emergency and operation shall not exceed 300 hours during any 12 month rolling aggregate. [RCSA §22a-174-3b(e)(2)(C)]
- ii. The Permittee shall operate the emergency stationary RICE according to the requirements in 40 CFR §§63.6640(f)(1), (f)(2)(i) and (f)(3). In order for the engine to be considered an emergency stationary RICE under 40 CFR Part 63 Subpart ZZZZ, 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 40 CFR §§63.6640(f)(1), (f)(2)(i) and (f)(3), is prohibited. If the Permittee does not operate the engine according to the requirements in 40 CFR §§63.6640(f)(1), (f)(2)(i) and (f)(3), the engine will not be considered an emergency engine under 40 CFR Part 63 Subpart ZZZZ and shall meet all requirements for non-emergency engines. [40 CFR §63.6640(f)]
- iii. There is no time limit on the use of emergency stationary RICE in emergency situations. [40 CFR §63.6640(f)(1)]
- iv. The Permittee may operate the emergency stationary RICE for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. [40 CFR §63.6640(f)(2)(i)]
- v. Emergency stationary RICE located at major sources of HAP 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 40 CFR §63.6640(f)(2). 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 supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR §63.6640(f)(3)]

##### *b. Monitoring Requirements*

- i. The Permittee shall install a non-resettable hour meter if one is not already installed.

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

[40 CFR §63.6625(f)]

- ii. The Permittee shall monitor the hours of operation of the emergency generator using log entries of the hours run each day. [RCSA §22a-174-33(j)(l)(K)(ii)]

#### *c. Record Keeping Requirements*

- i. The Permittee shall make and keep records of the hours of operation for each month and each 12 month rolling aggregate. Such records shall include the date and purpose the emergency generator was operated. [RCSA §22a-174-3b(e)(4)]
- ii. The Permittee shall make and keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The Permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. [40 CFR §63.6655(f)]

#### *d. Reporting Requirements*

- i. The Permittee shall submit an annual report, it shall contain the following information: Hours spent for operation for the purpose specified in 40 CFR §63.6640(f)(4)(ii), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR §63.6640(f)(4)(ii). The report shall also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine. [40 CFR §63.6650(h)(1)(vii)]
- ii. Annual reports for each calendar year shall be submitted no later than March 31 of the following calendar year. [40 CFR §63.6650(h)(2)]
- iii. The annual report shall be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to 40 CFR Part 63 Subpart ZZZZ is not available in CEDRI at the time that the report is due, the written report shall be submitted to the Administrator at the appropriate address listed in 40 CFR §63.13. [40 CFR §63.6650(h)(3)]

## **2. Fuel Sulfur Content**

#### *a. Limitation or Restriction*

- i. Any nongaseous fuel consumed by the engine shall not exceed the sulfur content of "motor vehicle diesel fuel" as defined in RCSA §22a-174-42(a). [RCSA §22a-174-3b(e)(2)(D)]
- ii. The Permittee shall not combust fuel in the stationary source that contains sulfur in excess of 15 ppm (0.0015%) by weight, except as provided in RCSA §§22a-174-19b(c) or -19b(e). [RCSA §22a-174-19b(d)(2)]
- iii. The Permittee shall use diesel fuel that meets the requirements in 40 CFR §80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted. [40 CFR §63.6604(b)]

#### *b. Monitoring Requirements*

Record keeping specified in Section III.C.2.c. of this Title V permit shall be sufficient to meet other

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

monitoring requirements pursuant to RCSA §22a-174-33. [RCSA §22a-174-33(j)(l)(K)(ii)]

#### *c. Record Keeping Requirements*

The Permittee shall make and keep records of: a fuel certification for a delivery of nongaseous fuel from a bulk petroleum provider or a sales receipt for the sale of motor vehicle diesel fuel from a retail location or a copy of a current contract with the fuel supplier supplying the fuel used by the equipment that includes the applicable sulfur content of nongaseous fuel as a condition of each shipment. [RCSA §§22a-174-3b(h) and -19b(g)(3)]

#### *d. Reporting Requirements*

- i. The Permittee shall submit an annual report, it shall contain the following information: [40 CFR §§63.6650(h)(1)(viii) and (ix)]
  - (A) If there were no deviations from the fuel requirements in 40 CFR §63.6604 that apply to the engine (if any), a statement that there were no deviations from the fuel requirements during the reporting period.
  - (B) If there were deviations from the fuel requirements in 40 CFR §63.6604 that apply to the engine (if any), information on the number, duration, and cause of deviations, and the corrective action taken.
- ii. Annual reports for each calendar year shall be submitted no later than March 31 of the following calendar year. [40 CFR §63.6650(h)(2)]
- iii. The annual report shall be submitted electronically using the subpart specific reporting form in the CEDRI that is accessed through EPA's CDX (www.epa.gov/cdx). However, if the reporting form specific to 40 CFR Part 63 Subpart ZZZZ is not available in CEDRI at the time that the report is due, the written report shall be submitted to the Administrator at the appropriate address listed in 40 CFR §63.13. [40 CFR §63.6650(h)(3)]

### **3. Operation and Maintenance**

#### *a. Limitation or Restriction*

- i. The Permittee shall properly maintain equipment and operate such engine in accordance with RCSA §22a-174-3b(e). [RCSA §22a-174-3b(e)(1)]
- ii. The Permittee shall not operate the emergency engine for routine, scheduled testing or maintenance on any day for which the commissioner has forecast that ozone levels will be “moderate to unhealthy for sensitive groups” or greater. If, subsequent to the initial forecast of “moderate to unhealthy for sensitive groups” or greater, the forecast is revised to “moderate” or lower, the Permittee is no longer prohibited from operating the engine for routine, scheduled testing or maintenance for the remainder of that day. The Permittee may rely on an ozone forecast of “moderate” or lower obtained after 3 p.m. on the preceding day. Subsequent changes to the ozone forecast after 3 p.m. that forecast ozone levels of “moderate to unhealthy for sensitive groups” or greater shall not obligate the Permittee to refrain from operation of the emergency engine at the facility on the following day. The commissioner may exempt, by permit or order, the Permittee of an emergency engine from RCSA §22a-174-22f(d) if such emergency engine is unattended and the testing is automated and cannot be modified from a remote location. [RCSA §22a-174-22f(d)(2)]

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

- iii. The Permittee shall meet the following requirements, except during periods of startup:  
[40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d, Item No. 4, a-c]
  - (A) Change oil and filter every 500 hours of operation or annually, whichever comes first;
  - (B) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
  - (C) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
- iv. The Permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in 40 CFR Part 63 Subpart ZZZZ, Table 2d apply.  
[40 CFR §63.6603(a); 40 CFR §60.6625(h); 40 CFR Part 63 Subpart ZZZZ, Table 2d, Item No. 4]
- v. If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in 40 CFR Part 63 Subpart ZZZZ, Table 2d, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management 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(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d, Footnote No. 2]
- vi. The Permittee shall be in compliance with the applicable emission limitations, operating limitations, and other requirements in 40 CFR Part 63 Subpart ZZZZ at all times.  
[40 CFR §63.6605(a)]
- vii. At all times the Permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the Permittee to make any further efforts to reduce emissions if levels required by the standards of 40 CFR Part 63 Subpart ZZZZ have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR §63.6605(b)]
- viii. The Permittee shall operate and maintain the stationary RICE and after-treatment control device according to the manufacturer's emission-related written instructions or develop the Permittee's own maintenance plan which shall provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR §63.6625(e)]
- ix. The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in 40 CFR Part 63 Subpart ZZZZ, Table 2d. The oil analysis shall be performed at the same frequency specified for changing the oil in 40 CFR Part 63 Subpart ZZZZ, Table 2d. The analysis program shall at a minimum analyze the following three parameters: Total

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

Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee shall change the oil within two business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the Permittee shall change the oil within two business days or before commencing operation, whichever is later.

[40 CFR §63.6625(i); 40 CFR Part 63 Subpart ZZZZ, Table 2d, Footnote No. 1]

- x. The Permittee shall comply with the applicable General Provisions listed in 40 CFR Part 63 Subpart ZZZZ, Table 8. [40 CFR §63.6665; 40 CFR Part 63 Subpart ZZZZ, Table 8]

#### *b. Monitoring Requirements*

- i. The Permittee shall demonstrate continuous compliance with each applicable emission limitation, operating limitation, and other requirement in 40 CFR Part 63 Subpart ZZZZ, Tables 2d and 6. [40 CFR §63.6640(a)]
- ii. The Permittee shall demonstrate continuous compliance by:
  - [40 CFR §63.6640(a); 40 CFR Part 63 Subpart ZZZZ, Table 6, Item No. 9.a.i and ii]
    - (A) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or
    - (B) Develop and follow the Permittee's own maintenance plan which shall provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

#### *c. Record Keeping Requirements*

- i. The Permittee shall make and keep the following records:
  - [RCSA §22a-174-22f(g)(3)(B) and (C)]
    - (A) The date and work performed for repairs, replacement of parts and other maintenance; and
    - (B) Copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22f.
- ii. The Permittee shall make and 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. The analysis program shall be part of the maintenance plan for the engine.  
[40 CFR §63.6625(i); 40 CFR Part 63 Subpart ZZZZ, Table 2d, Footnote No. 1]
- iii. The Permittee shall make and 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 submitted, according to the requirement in 40 CFR §63.10(b)(2)(xiv). [40 CFR §63.6655(a)(1)]
- iv. The Permittee shall make and keep records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.  
[40 CFR §63.6655(a)(2)]

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

- v. The Permittee shall make and keep records of performance tests and performance evaluations as required in 40 CFR §63.10(b)(2)(viii). [40 CFR §63.6655(a)(3)]
- vi. The Permittee shall make and keep records of all required maintenance performed on the air pollution control and monitoring equipment. [40 CFR §63.6655(a)(4)]
- vii. The Permittee shall make and keep records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR §63.6655(a)(5)]
- viii. The Permittee shall make and keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the Permittee operated and maintained the stationary RICE and after-treatment control device (if any) according to their own maintenance plan. [40 CFR §63.6655(e)]
- ix. The Permittee shall make and keep a copy of the engine's operating guidance created using good engineering practices, manufacturer's recommendations and operating experience. The Permittee shall maintain records sufficient to demonstrate that the engine is operated in accordance with this guidance. [RCSA §22a-174-33(j)(1)(K)(ii)]
- x. The Permittee shall make and keep records sufficient to show compliance with applicable General Provisions requirements of 40 CFR Part 63 Subpart ZZZZ, Table 8. [RCSA §22a-174-33(j)(1)(K)(ii)]

#### *d. Reporting Requirements*

- i. 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(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d, Footnote No. 2]
- ii. The Permittee shall report each instance in which they did not meet the applicable General Provision requirements in 40 CFR Part 63 Subpart ZZZZ, Table 8. [40 CFR §63.6640(e)]
- iii. The Permittee shall submit an annual report, it shall contain the following information: [40 CFR §§63.6650(h)(1)(i-iv)]
  - (A) Company name and address where the engine is located;
  - (B) Date of the report and beginning and ending dates of the reporting period;
  - (C) Engine site rating and model year; and
  - (D) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.
- iv. Annual reports for each calendar year shall be submitted no later than March 31 of the following calendar year. [40 CFR §63.6650(h)(2)]
- v. The annual report shall be submitted electronically using the subpart specific reporting form in the CEDRI that is accessed through EPA's CDX ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to 40 CFR Part 63 Subpart ZZZZ is not available in CEDRI at the time that the report is due, the written report shall be submitted to the Administrator at the appropriate address

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

listed in 40 CFR §63.13. [40 CFR §63.6650(h)(3)]

#### **D. EU-K07 (Kohler 100RZ272 Propane Emergency Generator)**

**Subject to: 40 CFR Part 63 Subpart ZZZZ**

**RICE MACT Designation: Emergency, Existing SI, ≤500 Bhp, Constructed before 6/12/06**

##### **1. Hours of Operation**

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

- i. The Permittee shall operate the emergency stationary RICE according to the requirements in 40 CFR §63.6640(f)(1), (f)(2)(i) and (f)(3). In order for the engine to be considered an emergency stationary RICE under 40 CFR Part 63 Subpart ZZZZ, 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 40 CFR §63.6640(f)(1), (f)(2)(i) and (f)(3), is prohibited. If the Permittee does not operate the engine according to the requirements in 40 CFR §63.6640(f)(1), (f)(2)(i) and (f)(3), the engine will not be considered an emergency engine under 40 CFR Part 63 Subpart ZZZZ and shall meet all requirements for non-emergency engines. [40 CFR §63.6640(f)]
- ii. There is no time limit on the use of emergency stationary RICE in emergency situations. [40 CFR §63.6640(f)(1)]
- iii. The Permittee may operate the emergency stationary RICE for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. [40 CFR §63.6640(f)(2)(i)]
- vi. Emergency stationary RICE located at major sources of HAP 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 40 CFR §63.6640(f)(2). 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 supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR §63.6640(f)(3)]

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

- i. The Permittee shall install a non-resettable hour meter if one is not already installed. [40 CFR §63.6625(f)]
- ii. The Permittee shall monitor the hours of operation of the emergency generator using log entries of the hours run each day. [RCSA §22a-174-33(j)(l)(K)(ii)]

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

The Permittee shall make and keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The Permittee shall document how many hours are spent for

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

emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. [40 CFR §63.6655(f)]

#### *d. Reporting Requirements*

- i. The Permittee shall submit an annual report, it shall contain the following information: Hours spent for operation for the purpose specified in 40 CFR §63.6640(f)(4)(ii), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR §63.6640(f)(4)(ii). The report shall also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine. [40 CFR §63.6650(h)(1)(vii)]
- ii. Annual reports for each calendar year shall be submitted no later than March 31 of the following calendar year. [40 CFR §63.6650(h)(2)]
- iii. The annual report shall be submitted electronically using the subpart specific reporting form in the CEDRI that is accessed through EPA's CDX ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to 40 CFR Part 63 Subpart ZZZZ is not available in CEDRI at the time that the report is due, the written report shall be submitted to the Administrator at the appropriate address listed in 40 CFR §63.13. [40 CFR §63.6650(h)(3)]

## **2. Operation and Maintenance**

#### *a. Limitation or Restriction*

- i. The Permittee shall not operate the emergency engine for routine, scheduled testing or maintenance on any day for which the commissioner has forecast that ozone levels will be “moderate to unhealthy for sensitive groups” or greater. If, subsequent to the initial forecast of “moderate to unhealthy for sensitive groups” or greater, the forecast is revised to “moderate” or lower, the Permittee is no longer prohibited from operating the engine for routine, scheduled testing or maintenance for the remainder of that day. The Permittee may rely on an ozone forecast of “moderate” or lower obtained after 3 p.m. on the preceding day. Subsequent changes to the ozone forecast after 3 p.m. that forecast ozone levels of “moderate to unhealthy for sensitive groups” or greater shall not obligate the Permittee to refrain from operation of the emergency engine at the facility on the following day. The commissioner may exempt, by permit or order, the Permittee of an emergency engine from RCSA §22a-174-22f(d) if such emergency engine is unattended and the testing is automated and cannot be modified from a remote location.  
[RCSA §22a-174-22f(d)(2)]
- ii. The Permittee shall meet the following requirements, except during periods of startup: [40 CFR §63.6603(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d, Item No. 5, a-c]
  - (A) Change oil and filter every 500 hours of operation or annually, whichever comes first;
  - (B) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
  - (C) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
- iii. The Permittee shall minimize the engine’s time spent at idle during startup and minimize the engine’s startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than

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

startup in 40 CFR Part 63 Subpart ZZZZ, Table 2d apply.

[40 CFR §63.6603(a); 40 CFR §60.6625(h); 40 CFR Part 63 Subpart ZZZZ, Table 2d, Item No. 5]

- iv. If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in 40 CFR Part 63 Subpart ZZZZ, Table 2d, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management 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(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d, Footnote No. 2]
- v. The Permittee shall be in compliance with the applicable emission limitations, operating limitations, and other requirements in 40 CFR Part 63 Subpart ZZZZ at all times.  
[40 CFR §63.6605(a)]
- vi. At all times the Permittee shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the Permittee to make any further efforts to reduce emissions if levels required by the standards of 40 CFR Part 63 Subpart ZZZZ have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR §63.6605(b)]
- vii. The Permittee shall operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop the Permittee's own maintenance plan which shall provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR §63.6625(e)]
- viii. The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in 40 CFR 63 Subpart ZZZZ, Table 2d. The oil analysis shall be performed at the same frequency specified for changing the oil in 40 CFR 63 Subpart ZZZZ, Table 2d. The analysis program shall at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee shall change the oil within two business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the Permittee shall change the oil within two business days or before commencing operation, whichever is later.  
[40 CFR §63.6625(j); 40 CFR Part 63 Subpart ZZZZ, Table 2d, Footnote No. 1]
- ix. The Permittee shall comply with the applicable General Provisions listed in 40 CFR Part 63 Subpart ZZZZ, Table 8. [40 CFR §63.6665; 40 CFR Part 63 Subpart ZZZZ, Table 8]

#### *b. Monitoring Requirements*

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

- i. The Permittee shall demonstrate continuous compliance with each applicable emission limitation, operating limitation, and other requirement in 40 CFR Part 63 Subpart ZZZZ, Tables 2d and 6. [40 CFR §63.6640(a)]
- ii. The Permittee shall demonstrate continuous compliance by:  
[40 CFR §63.6640(a); 40 CFR Part 63 Subpart ZZZZ, Table 6, Item No. 9.a.i and ii]
  - (A) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or
  - (B) Develop and follow the Permittee's own maintenance plan which shall provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

c. *Record Keeping Requirements*

- i. The Permittee shall retain all records and reports produced pursuant to RCSA §22a-174-22f for five years. Such records and reports shall be available for inspection at reasonable hours by the commissioner or the Administrator. Such records and reports shall be retained at the premises where the emission unit is located, unless the commissioner approves in writing the use of another location in Connecticut. [RCSA §22a-174-22f(g)(1)]
- ii. The Permittee shall make and keep the following records:  
[RCSA §22a-174-22f(g)(3)(B) and (C)]
  - (A) The date and work performed for repairs, replacement of parts and other maintenance; and
  - (B) Copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22f.
- iii. The Permittee shall make and 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. The analysis program shall be part of the maintenance plan for the engine.  
[40 CFR §63.6625(j); 40 CFR Part 63 Subpart ZZZZ, Table 2d, Footnote No. 1]
- iv. The Permittee shall make and 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 submitted, according to the requirement in 40 CFR §63.10(b)(2)(xiv). [40 CFR §63.6655(a)(1)]
- v. The Permittee shall make and keep records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.  
[40 CFR §63.6655(a)(2)]
- vi. The Permittee shall make and keep records of performance tests and performance evaluations as required in 40 CFR §63.10(b)(2)(viii). [40 CFR §63.6655(a)(3)]
- vii. The Permittee shall make and keep records of all required maintenance performed on the air pollution control and monitoring equipment. [40 CFR §63.6655(a)(4)]
- viii. The Permittee shall make and keep records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual

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

manner of operation. [40 CFR §63.6655(a)(5)]

- ix. The Permittee shall make and keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the Permittee operated and maintained the stationary RICE and after-treatment control device (if any) according to their own maintenance plan. [40 CFR §63.6655(e)]
- x. The Permittee shall make and keep records sufficient to show compliance with applicable General Provisions requirements of 40 CFR Part 63 Subpart ZZZZ, Table 8. [RCSA §22a-174-33(j)(1)(K)(ii)]

*d. Reporting Requirements*

- i. 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(a); 40 CFR Part 63 Subpart ZZZZ, Table 2d, Footnote No. 2]
- ii. The Permittee shall report each instance in which they did not meet the applicable General Provision requirements in 40 CFR Part 63 Subpart ZZZZ, Table 8. [40 CFR §63.6640(e)]
- iii. The Permittee shall submit an annual report, it shall contain the following information: [40 CFR §§63.6650(h)(1)(i-iv)]
  - (A) Company name and address where the engine is located;
  - (B) Date of the report and beginning and ending dates of the reporting period;
  - (C) Engine site rating and model year; and
  - (D) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.
- iv. Annual reports for each calendar year shall be submitted no later than March 31 of the following calendar year. [40 CFR §63.6650(h)(2)]
- v. The annual report shall be submitted electronically using the subpart specific reporting form in the CEDRI that is accessed through EPA's CDX ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to 40 CFR Part 63 Subpart ZZZZ is not available in CEDRI at the time that the report is due, the written report shall be submitted to the Administrator at the appropriate address listed in 40 CFR §63.13. [40 CFR §63.6650(h)(3)]

### **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

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

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.
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. **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.
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. **Nitrogen Oxide Emissions:** The Permittee shall comply with the requirements for control of nitrogen oxide emissions as set forth in RCSA §§22a-174-22f.
18. **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).
19. **Open Burning:** The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).
20. **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.

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

- 21. Emission Fees:** The Permittee shall pay an emission fee as set forth in RCSA §22a-174-26(d).
- 22. Chemical Accident Prevention Provisions:** The Permittee shall comply with all the applicable requirements of 40 CFR Part 68 Subpart G.
- 23. Protection of Stratospheric Ozone:** The Permittee shall comply with all applicable requirements of 40 CFR Part 82 Subpart F.

**Section IV: Compliance Schedule**

**THERE IS NO COMPLIANCE SCHEDULE**

## **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: 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 submitted per the procedure required by the applicable requirement or otherwise in a computer-readable format and addressed to: U.S. EPA New England, 5 Post Office Square, Suite 100 (Mailcode: 04-2), 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.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.

## **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-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.

## **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.