Connecticut
Department of Energy &
Environmental Protection

BUREAU OF AIR MANAGEMENT
TITLE V OPERATING PERMIT

Issued pursuant to Title 22a of the Connecticut General Statutes (CGS) and Section 22a-174-33 of the Regulations of Connecticut State Agencies (RCSA) and pursuant to the Code of Federal Regulations (CFR), Title 40, Part 70.

Title V Permit Number	178-0086-TV
Client/Sequence/Town/Premises Numbers	8785/02/178/0005
Date Issued	April 30, 2026
Expiration Date	April 30, 2031

Corporation:

Sikorsky Aircraft Corporation

Premises Location:

6900 Main Street, Stratford, Connecticut 06615-9129

Name of Responsible Official and Title:

Audrey S. Brady, Vice President, Rotary Systems, Production Operations

All the following attached pages, 2 through 83, are hereby incorporated by reference into this Title V permit.

for Tracy Babbidge
Katherine S. Dykes
Commissioner

April 30, 2026
Date

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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

Abbreviation/Acronym	*Description*
AEDC	Aeromechanics Development Center
ASTM	American Society for Testing and Materials
^{o}C	Degree Celsius
CEDRI	Compliance and Emissions Data Reporting Interface
CFR	Code of Federal Regulations
CI	Compression Ignition
CGS	Connecticut General Statutes
CO	Carbon Monoxide
DEEP	Department of Energy and Environmental Protection
ERT	Electronic Reporting Tool
EU	Emissions Unit
EPA	Environmental Protection Agency
^{o}F	Degree Fahrenheit
g	Grams
gal	Gallon
GEU	Grouped Emissions Unit
H_2O	Water
HAP	Hazardous Air Pollutant
HEPA	High Efficiency Particulate Air
hp	Horsepower
hr	Hour
HVLP	High Volume Low Pressure
ICE	Internal Combustion Engine
in	Inches
J	Joules
kW	Kilowatts
l or L	Liter
lb	Pound
MMBtu	Million British Thermal Unit
$MMft^3$	Million Cubic Feet
mmHg	Millimeters of Mercury
MRC	Maximum Rated Capacity
MSDS	Material Safety Data Sheet
MW	Megawatt
MWh	Megawatt hour
MY	Model Year
NAICS	North American Industry Classification System
ng	Nanogram
NMHC	Non Methane Hydro-carbon
NOx	Nitrogen Oxides
NSR	New Source Review
O_2	Oxygen
Pb	Lead
PM	Particulate Matter
$PM_{2.5}$	Particulate Matter less than 2.5 microns
PM_{10}	Particulate Matter less than 10 microns
ppmw	Parts per million, weight

LIST OF ABBREVIATIONS/ACRONYMS, continued

Abbreviation/Acronym	*Description*
ppmvd	Parts per million, volume, dry
RCSA	Regulations of Connecticut State Agencies
RICE	Reciprocating Internal Combustion Engine
scf	Standard Cubic Feet
SCR	Selective Catalytic Reduction
SI	Spark Ignition
SIC	Standard Industrial Code
SO_2	Sulfur Dioxide
TPY	Tons per year
TSP	Total Suspended Particulates
ULSD	Ultra Low Sulfur Diesel
VOC	Volatile Organic Compound

Section I: Premises Information Description

A. PREMISES INFORMATION

Name of Business: Sikorsky Aircraft Corporation
Primary SIC: 3721
NAICS: 336411

Facility Mailing Address: 6900 Main Street, P.O. Box 9729, Stratford, CT 06615-9129
Telephone Number: (203) 386-4000

B. PREMISES DESCRIPTION

Sikorsky Aircraft Corporation (Sikorsky)'s main plant, located at 6900 Main Street in Stratford, is used for the manufacture and overhaul/repair of military and commercial helicopters. The facility consists of 20 major buildings totaling approximately 2.4 million square feet, on 248.6 acres of land. Sikorsky is a Title V source located in a severe ozone non-attainment area defined in RCSA §22a-174-1. **Sikorsky exceeds the major source threshold for VOC.** Sikorsky has a premises wide cap for NOx and HAPs (collateral conditions in Permit No. 178-0129). As such the premises is considered minor for NOx and HAPs.

The main manufacturing process activities conducted at the facility include machining, forming of sheet metal and composite parts, heat treating, metal finishing and etching, rotor blade manufacturing, wiring harness fabrication, assembly of gear boxes and transmissions/rotor heads, painting and depainting, and final assembly of aircraft. Other facility operations include aircraft/rotor blade/transmission testing, fueling, engineering, laboratory research, shipping/receiving, purchasing, administration, maintenance, wastewater treatment, and the generation of steam, compressed air and chilled water.

The principal materials used in the manufacturing processes and facility operations include:

- Aluminum, titanium, magnesium, carbon steel, and stainless steel
- Various acids, caustics, plating solutions, and rinsewaters
- Various coolants, and quench, cutting, and lubricating oils
- Natural gas, distillate fuel oil, jet fuel, gasoline, methanol and bulk liquid nitrogen and argon
- Primers, topcoats, specialty coatings, cleaning solvents, and paint strippers
- Fiberglass, Kevlar, graphite and boron cloth, and related resins
- Various sealants and adhesives

Fuel Burning Sources

Powerhouse
Steam and electricity are provided by a cogeneration facility (EU-24) consisting of a 10 MW Solar Mars 100 Axial Turbine with dry SoLoNOx, or lean premix gas turbine with a natural gas fired 34.6 MMBtu/hr duct burner and a heat recovery steam generator (HRSG). The duct burner is not capable of being operated alone. The turbine burns natural gas and ULSD as backup. The duct burner burns natural gas only. Emissions are controlled by SCR and an oxidation catalyst. The cogeneration facility operates under Permit No. 178-0129 and is subject to 40 CFR Part 60 Subpart KKKK – Standard of Performance for Stationary Combustion Turbines.

Backup steam generation is provided by four registered boilers (GEU-1). Three boilers are operated on either natural gas or ULSD fuel oil; the fourth combusts natural gas only. The boilers are subject to RCSA §22a-174-22f and 40 CFR Part 63 Subpart JJJJJJ: National Emission Standards for Hazardous Air

Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters.
Emergency Engines

Emergency engines power various generators and fire pumps. Some of the emergency engines are subject to the requirements of RCSA §§22a-174-3b and 22a-174-22f. The engines also operate under the following requirements, as applicable:

- 40 CFR Part 63 Subpart ZZZZ - National Emissions Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

- 40 CFR Part 60 Subpart IIII – National Emissions Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

- 40 CFR Part 60 Subpart JJJJ – National Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.

VOC Sources

Paint Booths
Painting is generally performed using water-reducible primers, high solids (low VOC) topcoats and aerospace "specialty coatings," and some primers containing Chromium. Paint overspray is controlled either with dry filters or water systems. The site has a number of spray paint booths that are operating under New Source Review permits (GEU-4), the requirements of RCSA §22a-174-3b (GEU-9) or are not subject to RCSA §22a-174-3a. With the exception of the Aeromechanical Development Center (AEDC paint booth) the coating operation in the booths (EU-11, EU-12, EU-17 through EU-23) booths are subject to the requirements of RCSA §22a-174-20(s). Coating operations in the paint spray booth are subject to 40 CFR Part 63 Subpart HHHHHH, National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources.

Miscellaneous VOC Sources

Hand Wiping Operations
Solvent cleaning of parts is generally performed manually, using pre-moistened "wipes" for both metal and non-metal aircraft parts (GEU-5). The cleaning is done prior to adhesive bonding, sealing and priming. The wipe cleaning is subject to RCSA §22a-174-20(ii). The majority of the wipe cleaning operations is performed using non-HAP and/or low vapor pressure solvents.

Cold Cleaning
Removal of oils and greases from metal parts is performed by soaking the parts in cold cleaner tanks using non-chlorinated solvents (GEU-3). These tanks and the solvents used are subject to RCSA §22a-174-20(l). There are no vapor degreasers at the facility.

Paint Gun Cleaning
Paint gun cleaning associated with the paint booths is primarily the use of automated enclosed spray gun cleaners (GEU-6). Paint gun cleaners are subject to RCSA §22a-174-20(jj) and 40 CFR Part 63 Subpart HHHHHH – National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources.

Paint Stripping (Depainting)
The depainting of aircraft is subject to 40 CFR Part 63 Subpart HHHHHH – National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area

Sources. Methylene Chloride paint stripper is used.

Miscellaneous Sources
Non-electrolytic metal processing tanks: there are three metal processing tanks that contain Chromium. The processing tanks are subject to 40 CFR Part 63 Subpart WWWWWW – National Emissions Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations. Two of the three tanks (Alodine 600 and Alodine 1200) are used to apply Chromate conversion coatings.

Gasoline Storage Tank

Gasoline for use in on-site motor vehicles is stored in a 6,000 gallons horizontal, above ground storage tank (EU-35). The tank has a monthly throughput of less than 10,000 gallons of gasoline. The tank is subject to RCSA §22a-174-20(a). The tank is also subject to 40 CFR Part 63 Subpart CCCCCC – National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities.

Section II: Emission Units Description

A. EMISSIONS UNITS DESCRIPTION

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

TABLE II.A: EMISSIONS UNITS DESCRIPTION

Emissions Unit/ Grouped Emissions Unit	Emissions Unit Description	Control Unit Description	Permit, Registration, or Regulation Number
EU-1/ GEU-1	Wickes Boiler No. 1 Power House Natural Gas and ULSD fuel oil MRC: Derated to 43.1 MMBtu/hr for natural gas and 39.4 MMBtu/hr for ULSD fuel oil Constructed: January 1958	None	Registration No. 178-0016-R RCSA §22a-174-22f 40 CFR Part 63 Subpart JJJJJJ
EU-2/ GEU-1	Wickes Boiler No. 2 Power House Natural Gas and ULSD fuel oil MRC: Derated to 44.3 MMBtu/hr for natural gas and 39 MMBtu/hr for ULSD fuel oil Constructed: January 1958	None	Registration No. 178-0017-R RCSA §22a-174-22f 40 CFR Part 63 Subpart JJJJJJ
EU-3/ GEU-1	Wickes Boiler No. 3 Power House Natural Gas and ULSD fuel oil MRC: Derated to 39 MMBtu/hr for natural gas and 37.3 MMBtu/hr for ULSD fuel oil Constructed: January 1958	None	Registration No. 178-0018-R RCSA §22a-174-22f 40 CFR Part 63 Subpart JJJJJJ
EU-4/ GEU-1	Wickes Boiler No. 4 Power House Natural Gas MRC: Derated to 42 MMBtu/hr for	None	Registration No. 178-0019-R RCSA §22a-174-22f 40 CFR Part 63 Subpart JJJJJJ

TABLE II.A: EMISSIONS UNITS DESCRIPTION			
Emissions Unit/ Grouped Emissions Unit	**Emissions Unit Description**	**Control Unit Description**	**Permit, Registration, or Regulation Number**
	natural gas Constructed: January 1958		
EU-6, EU-7, EU-8 and EU-9/ GEU-2	Fire Pump No. 1 Fire Pump No. 2 Fire Pump No. 3 Fire Pump No. 4 Four Caterpillar 3406 TA-W 2.94 MMBtu/hr each 420 hp/313 kW each CI < 500 hp ULSD fuel oil Between Powerhouse and vehicle maintenance garage Constructed: January 2003	None	RCSA §22a-174-3b(e) RCSA §22a-174-22f 40 CFR Part 63 Subpart ZZZZ
GEU-3	Cold Cleaners	Cover	RCSA §22a-174-20(l)(3)
EU-11	Special Prime Paint Booth Column E5 Constructed: 1981	3 Stage Dry Filter	RCSA §22a-174-20(s) 40 CFR Part 63 Subpart HHHHHH
EU-12/ GEU-9	Blade Prime (Bond) Paint Booth Column E11 Constructed: 1955/1994/2022	3 Stage Dry Filter	RCSA §22a-174-3b(g) RCSA §22a-174-20(s) 40 CFR Part 63 Subpart HHHHHH
EU-17/ GEU-4	Dyescan Booth Column K10 Constructed: October 2006	3 Stage Dry Filter	Permit No. 178-0128 RCSA §22a-174-20(s) 40 CFR Part 63 Subpart HHHHHH
EU-18/ GEU-4	Blades Spray Booth Column J17 Constructed: 1998	3 Stage Dry Filter	Permit No. 178-0078 RCSA §22a-174-20(s) 40 CFR Part 63

Section II: Emission Units Description

TABLE II.A: EMISSIONS UNITS DESCRIPTION			
Emissions Unit/ Grouped Emissions Unit	**Emissions Unit Description**	**Control Unit Description**	**Permit, Registration, or Regulation Number**
			Subpart HHHHHH
EU-19/ GEU-4	Paint Spray Booth, Small Parts Column Z16 Constructed: May 1984	Downflow Waterwall	Permit No. 178-0035 RCSA §22a-174-20(s) 40 CFR Part 63 Subpart HHHHHH
EU-20/ GEU-4	Finishes Paint Cell No. 1 Column Z18 Constructed: May 1984	Horizontal Waterfloor	Permit No. 178-0035 RCSA §22a-174-20(s) 40 CFR Part 63 Subpart HHHHHH
EU-21/ GEU-4	Finishes Paint Cell No. 2 Column Z19 Constructed: May 1984	Horizontal Waterfloor	Permit No. 178-0035 RCSA §22a-174-20(s) 40 CFR Part 63 Subpart HHHHHH
EU-22/ GEU-4	Finishes Paint Cell No. 3 Column Z19 Constructed: May 1984	Horizontal Waterfloor	Permit No. 178-0035 RCSA §22a-174-20(s) 40 CFR Part 63 Subpart HHHHHH
EU-23/ GEU-9	VH Parts No. 4 Paint Booth Column Z18 Constructed: 1998	3 Stage Dry Filter	RCSA §22a-174-3b(g) RCSA §22a-174-20(s) 40 CFR Part 63 Subpart HHHHHH
EU-24	Cogeneration Facility Consisting of a 10 MW Solar Mars Gas Turbine, Cleaver Brooks Energy Recovery/Natcom Duct Burner and Cleaver Brooks Energy Recovery Heat Recovery Steam Generator Constructed: November 2009	SCR and Oxidation Catalyst	Permit No. 178-0129 RCSA §22a-174-22f 40 CFR Part 60 Subpart KKKK
GEU-5	Hand Wiping Operations	None	RCSA §22a-174-20(ii)

Section II: Emission Units Description

TABLE II.A: EMISSIONS UNITS DESCRIPTION			
Emissions Unit/ Grouped Emissions Unit	**Emissions Unit Description**	**Control Unit Description**	**Permit, Registration, or Regulation Number**
GEU-6	Spray Gun Cleaning Operations	None	RCSA §22a-174-20(jj) 40 CFR Part 63 Subpart HHHHHH
EU-25/ GEU-7	Generac 3698480200 Emergency Generator 0.16 MMBtu/hr 20 hp/15 kW SI < 500 hp Natural Gas Guard Station Constructed: July 1993	None	40 CFR Part 63 Subpart ZZZZ
EU-26/ GEU-7	Kohler 60ROZJ Emergency Generator 0.58 MMBtu/hr 83 hp/62 kW CI <500 hp ULSD Fuel Oil Fire Department Constructed: July 1993	None	40 CFR Part 63 Subpart ZZZZ
EU-28/ GEU-8	Generac SD010 Emergency Generator (Interim Tier 4) 0.34 MMBtu/hr 49 hp/37 kW ULSD Fuel Oil Tower Constructed: January 2017	None	40 CFR Part 60 Subpart IIII
EU-30	Kohler Model 250REOZJE Emergency Generator (Tier 3) 2.70 MMBtu/hr 385 hp/287 kW ULSD Fuel Oil	None	RCSA §22a-174-22f 40 CFR Part 60 Subpart IIII

Section II: Emission Units Description

TABLE II.A: EMISSIONS UNITS DESCRIPTION			
Emissions Unit/ Grouped Emissions Unit	**Emissions Unit Description**	**Control Unit Description**	**Permit, Registration, or Regulation Number**
	Data Center Constructed: 2019		
EU-31/ GEU-8	Generac Model SD050 Emergency Generator (Tier 3) 0.59 MMBtu/hr 85 hp/63 kW ULSD Fuel Oil Phone Room Constructed: 2019	None	40 CFR Part 60 Subpart IIII
EU-32	Volvo Penta TWD1683GE "Rental" Emergency Engine (Tier 4) Gross power output standby: 665 kW/891 hp Outside Medical Department at Column A14 ULSD Fuel Oil Worst case 6.37 MMBtu/hr CI>500 hp Model Year 2020 Constructed: December 2020	SCR and Ammonia slip catalyst	RCSA §22a-174-22f 40 CFR Part 60 Subpart IIII
EU-33/ GEU-10	Cummins 450DFEJ Emergency Generator (Tier 2) Gross power output standby: 563 kW/755 hp Waste Water treatment Plant ULSD Fuel Oil Worst case 5.28 MMBtu/hr CI>500 hp	None	RCSA §22a-174-3b(e) RCSA §22a-174-22f 40 CFR Part 60 Subpart IIII

Section II: Emission Units Description

TABLE II.A: EMISSIONS UNITS DESCRIPTION			
Emissions Unit/ Grouped Emissions Unit	**Emissions Unit Description**	**Control Unit Description**	**Permit, Registration, or Regulation Number**
	Constructed: December 2020		
EU-34/ GEU-10	Generac SD500 with Perkins engine Emergency Generator (Tier 2) Gross power output standby: 568 kW/762 hp AMTC Building (formerly PMB Building) ULSD Fuel Oil Worst case 5.33 MMBtu/hr CI>500 hp Constructed: May 2022		RCSA §22a-174-3b(e) RCSA §22a-174-22f 40 CFR Part 60 Subpart IIII
EU-35	Unleaded Gasoline Tank 6,000 gallons, aboveground horizontal tank Constructed: ~1992	None	RCSA §22a-174-20(a) 40 CFR Part 63 Subpart CCCCCC
EU-36 EU-37 EU-38/ GEU-11	Non-electrolytic Metal Processing Tanks Containing Chromium Compounds Tank B21 (Alodine 600) ~52 gallons Constructed: early 1990s Tank B15 (Alodine 1200) ~3,250 gallons Constructed: early 1980s Tank C28 (Post Cadmium Plate) 480 gallons Constructed: early 1980's Reconstructed: 2025/2026	Tanks B21, C28: Cover	40 CFR Part 63 Subpart WWWWWW
EU-39	Cummins C50N6 Emergency Generator	None	40 CFR Part 60 Subpart JJJJ

TABLE II.A: EMISSIONS UNITS DESCRIPTION			
Emissions Unit/ Grouped Emissions Unit	**Emissions Unit Description**	**Control Unit Description**	**Permit, Registration, or Regulation Number**
	Gross power output standby: 63.2 kW/84.7 hp Whirlstand Natural Gas Worst case 0.67 MMBtu/hr SI<500 hp Model Year: 2023 Constructed: 2024		
GEU-12	Paint Stripping Operations	None	40 CFR Part 63 Subpart HHHHHH

B. OPERATING SCENARIO IDENTIFICATION

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

TABLE II.B: OPERATING SCENARIO IDENTIFICATION	
Emissions Units Associated with the Scenario	**Description of Scenario**
GEU-2 (EU-6, EU-7, EU-8, EU-9), GEU-7 (EU-25, EU-26), GEU-8 (EU-28, EU-31), EU-30, EU-32, GEU-10 (EU-33, EU-34), EU-39	**Emergency engines:** the standard use of the emergency engines is to provide emergency power (electrical and fire pumps) for operations at the facility in case of a utility power outage, brownout, maintenance or other emergency. Some engines burn ULSD fuel oil and some burn natural gas.
GEU-1 (EU-1, EU-2, EU-3 and EU-4)	**Boilers:** the standard use of the boilers is to provide steam for process tanks, building heating, hot water and to operate some absorption chillers. Three registered boilers burn ULSD fuel oil and natural gas. The fourth burns natural gas only.
GEU-3	**Cold cleaners:** the standard use of the parts cleaners is to clean miscellaneous metal parts.
EU-24	**Combustion turbine and duct burner:** the standard use of the combustion turbine and duct burner is to provide electrical power and steam for building heating and cooling. The combustion turbine burns natural gas and

TABLE II.B: OPERATING SCENARIO IDENTIFICATION	
Emissions Units Associated with the Scenario	**Description of Scenario**
	ULSD fuel oil. The duct burner burns natural gas only.
EU-11, GEU-4 (EU-17, EU-18, EU-19, EU-20, EU-21 and EU-22), GEU-9 (EU-12 and EU-23)	**Paint Booths:** the standard use of paint booth is to apply topcoats, primers, and specialty coatings to miscellaneous metal parts, composite parts, aircraft interior and exteriors.
GEU-5	**Hand Wiping Operation:** the standard use of pre-moistened "wipes" is for solvents cleaning of metal and non-metal parts of aircraft by hand.
GEU-6	**Spray Gun Cleaning Operations:** the standard use of spray gun cleaners is to clean paint spray guns after use.
GEU-12	**Paint Stripping:** the standard operation is to remove paint from aircraft by chemical means.
EU-35	**Gasoline Storage Tank:** the standard use of the horizontal gasoline storage tank is for storage of gasoline dispensed to on-site motor vehicles.
GEU-11 (EU-36, EU-37 and EU-38)	**Non-electrolytic Metal Processing Tanks:** the standard use of two non-electrolytic metal processing tanks is for application of Chromate conversion coating for corrosion resistance. The standard use of the third tank is for application of a yellow finish.

Section III: Applicable Requirements and Compliance Demonstration

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

A. GROUPED EMISSIONS UNIT 1 (GEU-1: EU-1, EU-2, EU-3, EU-4)

Four Registered boilers subject to RCSA §§22a-174-18, 22a-174-19(b), 22a-174-22f and 40 CFR Part 63 Subpart JJJJJJ

EU-1: Wickes boiler No. 1 - Registration No. 178-0016-R
EU-2: Wickes boiler No. 2 - Registration No. 178-0017-R
EU-3: Wickes boiler No. 3 - Registration No. 178-0018-R
EU-4: Wickes boiler No. 4 - Registration No. 178-0019-R

1. Fuel Type, Sulfur Content Limit and Particulate Matter Limit

a. Limitation or Restriction

i. The Permittee shall only burn natural gas or ULSD fuel oil in boilers Nos. 1 through 3. [Registration Nos. 178-0017, 178-0018 and 178-0019]

ii. The Permittee shall only burn natural gas in boiler No. 4. [Registration No. 178-0016]

iii. Particulate matter emissions shall not exceed 0.12 lb/MMBtu when operating on ULSD fuel oil, and 0.10 lb/MMBtu when operating on natural gas. [RCSA §22a-174-18(e)]

iv. The Permittee shall not combust fuel in a stationary source that contains sulfur in excess of 15 ppm (0.0015%) by weight. [RCSA §22a-174-19b(d)]

v. The Permittee of a stationary source for which opacity is measured using visual observation shall not exceed the following visible emission limitation: [RCSA §22a-174-18(b)(1)]

(A) 20% opacity during any six-minute block average as measured by 40 CFR Part 60, Appendix A, Reference Method 9; or

(B) 40% opacity as measured by 40 CFR Part 60, Appendix A, Reference method 9, reduced to one-minute block average.

b. Monitoring Requirements

i. The commissioner may require the Permittee to analyze the sulfur content of liquid fuels, which shall be done according to the American Society for Testing and Materials method D4294, D7039 or the most current method approved by the American Society for Testing and Materials for the analysis of sulfur content of liquid fuels. [RCSA §22a-174-5(b)(1)]

c. Record Keeping Requirements

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

(A) The name of the fuel seller;

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

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

ii. If required, the Permittee shall make and keep records of the opacity's visual observations in Section III.A.1.a of this Title V permit. [RCSA §22a-174-33(j)(1)(K)]

iii. All required records shall be: [RCSA §§22a-174-19b(g)(4)(A and B)]

(A) Made available to the commissioner to inspect and copy upon request; and

(B) Maintained for five years from the date such records is created.

d. Reporting Requirements

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

2. NOx: RCSA §22a-174-22f

a. Limitation or Restriction

i. The Permittee of an emissions unit that is not an emergency engine or an affected unit that exceeds the NOx emission threshold in RCSA §22a-174-22f(e)(2)(A) shall submit the notification required by RCSA §22a-174-22f(h) within 60 days of the day on which the threshold is first exceeded and shall operate the emissions unit in compliance with RCSA §22a-174-22e no later than 270 days after the day on which the threshold is first exceeded. [RCSA §22a-174-22f(e)(2)]

ii. The Permittee shall conduct an inspection and tune-up of the emission units a minimum of once per calendar year. Each subsequent annual tune-up shall be performed no earlier than 180 days after the previous tune-up conducted under RCSA §22a-174-22f. The inspection and tune-up of the emission unit shall be conducted according to the manufacturer's recommended procedures, or, if the manufacturer's recommendations are not available according to best available practices. [RCSA §22a-174-22f(f)(1)]

b. Monitoring and Testing Requirements

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

c. Record Keeping Requirements

i. The Permittee shall make and keep the following records: [RCSA §22a-174-22f(g)(2)(A) through (F)]

(A) During the period from May 1 to September 30, inclusive, records sufficient to determine the NOx emissions (lb) per day;

(B) A calculation of NOx emissions on each day of operation, performed no later than the last day of each month for everyday of operation in the preceding month;

(C) The method used to calculate daily NOx emissions and the information used to determine the NOx emissions rate chosen from the options in RCSA §22a-174-22f(g)(2)(C)(i) through(v);

(D) The date and work performed for repairs, replacement of parts and other maintenance;

(E) For emissions unit's tune-up conducted pursuant to RCSA §22a-174-22f(f), the date on which the emissions unit is tuned-up; the name, title and affiliation of the person performing the tune-up, and a description of work performed; and

(F) Copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22f.

ii. 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 emissions unit is located. [RCSA §22a-174-22f(g)(1)]

d. Reporting Requirements

i. If an emissions unit exceeds the daily NOx emission threshold in Section III.A.2.a of this Title V permit, the Permittee shall submit a notification to the Compliance Analysis and Coordination Unit, Bureau of Air Management at the Department. Such a notification shall be submitted no later than 60 days after the date on which daily NOx emissions thresholds were exceeded and shall include the information in RCSA §22a-174-22f(h). [RCSA §22a-174-22f(h)]

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

3. 40 CFR Part 63 Subpart JJJJJJ: National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

- The emission units in GEU-1 are gas-fired boilers with an oxygen trim system.

a. Limitation or Restriction

i. The Permittee shall ensure that periodic testing, maintenance, or operator training on liquid fuel for each boiler in GEU-1 shall not exceed a combined total of 48 hours of operation during any calendar year. [40 CFR §63.11237]

ii. The emission units in GEU-1 are not subject to the requirements of 40 CFR Part 63 Subpart JJJJJJ. [40 CFR §63.11195(e)]

b. Monitoring and Testing Requirements

i. The Permittee shall monitor the total hours per calendar year of operation on ULSD. [RCSA §22a-174-33(j)(1)(K)]

c. Record Keeping Requirements

i. The Permittee shall make and keep records of the total hours per calendar year of operation on ULSD. The records shall provide the following information: [RCSA §22a-174-33(j)(1)(K)]

(A) Date and time of operation on ULSD,

(B) Reason behind the use of ULSD,

(C) Total number of hours for the event, and

(D) Total number of hours per calendar year.

ii. The Permittee shall keep all records required for a period of no less than five years and shall submit such records to the commissioner upon request. [RCSA §22a-174-33(j)(1)(K)]

d. Reporting Requirements

i. If the Permittee has switched fuels or made a physical change to the boiler and the fuel switch or change resulted in the applicability of a different subcategory within 40 CFR Part 63 Subpart JJJJJJ, in the boiler becoming subject to Subpart JJJJJJ, or taken a permit limit that resulted in the boilers becoming subject to Subpart JJJJJJ or no longer being subject to Subpart JJJJJJ, the Permittee must provide notice of the date upon which fuels were switched, made the physical change, or took a permit limit within 30 days of the change. The notification must identify:
[40 CFR §63.11225 (g)(1) and (2)]

(1) The name of the Permittee of the affected source, the location of the source, the boilers that have switched fuels, were physically changed, or took a permit limit, and the date of the notice.
(2) The date upon which the fuel switch, physical change, or permit limit occurred.

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

B. GROUPED EMISSIONS UNIT 2 (GEU-2: EU-6, EU-7, EU-8, EU-9)

GEU-2: Emergency Engines
EU-6: Fire Pump No. 1
EU-7: Fire Pump No. 2
EU-8: Fire Pump No. 3
EU-9: Fire Pump No. 4

- These emergency engines operate under RCSA §22a-174-3b(e), are subject to RCSA §22a-174-22f and 40 CFR Part 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion.

1. Exemption from Permitting for Construction and Operation of Emergency Engines [STATE ONLY REQUIREMENT]

a. Limitation or Restriction

i. The Permittee shall operate each engine as an emergency engine as defined in RCSA §22a-174-22e. [RCSA §22a-174-3b]

ii. The Permittee shall not allow any of the emergency engines to operate except during periods of testing and scheduled maintenance or during an emergency and unless the following conditions are met: [RCSA §22a-174-3b(e)(2)(A) and (B)]

(A) Each emergency engine shall not exceed 300 hours during any 12 month rolling aggregate; and

(B) Any non-gaseous fuel consumed by each engine shall comply with the sulfur content requirements of RCSA §22a-174-19b(d)(2).

b. Monitoring Requirements

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

c. Record Keeping Requirements

i. The Permittee shall make and keep the following records:

(A) Hours of operation for each month and each 12 month rolling aggregate. [RCSA §22a-174-3b(e)(4)]

(B) Records specified in RCSA §22a-174-19b(g)(3). [RCSA §22a-174-3b(h)]

ii. All records above shall be maintained for a period of five years and made available to the commissioner to inspect and copy upon request. [RCSA §22a-174-3b(e)(3)]

d. Reporting Requirements

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

2. NOx: RCSA §22a-174-22f

- Emergency engines do not have emission limits for NOx under RCSA §22a-174-22f; however, there are record keeping and reporting requirements.

a. Limitation or Restriction

i. The Permittee shall not operate the engine for routine, schedule 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, schedule testing or maintenance for the remainder of the day. The operator of an emergency engine may rely on an ozone forecast of "moderate" or lower obtained by 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. [RCSA §22a-174-22f(d)(2)]

b. Monitoring and Testing Requirements

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

c. *Record Keeping Requirements*

i. The Permittee of an emergency engine shall make and keep the following records: [RCSA §22a-174-22f(g)(3)(A), (B) and (C)]

(A) For emergency engines subject to 40 CFR Part 63 Subpart ZZZZ, records required by 40 CFR §63.6655;

(B) The date and work performed for repairs, replacement of parts and other maintenance; and

(C) Copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22f.

ii. The Permittee shall retain all records and reports for five years. Such records and report 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)]

d. Reporting Requirements

i. 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)]

3. 40 CFR Part 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engine

- Each emergency engine in GEU-2 is an Existing Emergency Compression Ignition Engine ≤ 500 hp located at an area source of HAPs, constructed before June 12, 2006.

- The emergency engines in GEU-2 are not subject to the numerical emission limitations in 40 CFR Part 63 Subpart ZZZZ pursuant to 40 CFR §63.6603 and 40 CFR Part 63 Subpart ZZZZ, Table 2d.

- Since the emergency engines in GEU-2 are not subject to the numerical emission limitations in 40 CFR Part 63 Subpart ZZZZ, they are not subject to the notifications specified in 40 CFR §63.6645.

a. Limitations or Restrictions

i. The Permittee shall change the oil and filter every 500 hours of operation or within 1 year plus 30 days of the previous change, whichever comes first. [40 CFR §63.6603; 40 CFR Part 63 Subpart ZZZZ, Table 2d (4)(a)]

ii. The Permittee shall inspect the air cleaner every 1,000 hours of operation or within 1 year plus 30 days of the previous inspection, whichever comes first, and replace as necessary. [40 CFR §63.6603; 40 CFR Part 63 Subpart ZZZZ, Table 2d(4)(b)]

iii. The Permittee shall inspect all hoses and belts every 500 hours of operation or within 1 year plus 30 days of the previous inspection, whichever comes first, and replace as necessary.

[40 CFR §63.6603; 40 CFR Part 63 Subpart ZZZZ, Table 2d(4)(c)]

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 work practice requirements on the schedule required in 40 CFR 63 Subpart ZZZZ, Table 2d, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable. [40 CFR Part 63 Subpart ZZZZ, Table 2d, Footnote 2]

v. The Permittee must be in compliance with the operating limitations in 40 CFR Part 63 Subpart ZZZZ that apply to GEU-2 at all times. [40 CFR §63.6605(a)]

vi. At all times the Permittee shall operate and maintain any affected source 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 required levels 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 may operate the emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per calendar year. [40 CFR §63.6640(f)(2)(i)]

viii. The Permittee has the option of utilizing an oil analysis program as described in 40 CFR §63.6625(i) in order to extend the specified oil change requirement of 40 CFR Part 63 Subpart ZZZZ, Table 2d. The oil analysis program must be performed at the same frequency specified for changing the oil in 40 CFR Part 63 Subpart ZZZZ, Table 2d. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within two business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within two business days or before commencing operation, whichever is later. [Table 2d, Footnote 1 and 40 CFR §63.6625(i)]

b. Monitoring Requirements

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

c. Record Keeping Requirements

i. The Permittee shall 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

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

ii. The Permittee must keep a copy of each report submitted to comply with 40 CFR Part 63 Subpart ZZZZ. [40 CFR §63.6655(a)(1)]

iii. The Permittee shall make and keep records to show continuous compliance with each applicable work practice required in 40 CFR Part 63 Subpart ZZZZ, Table 6. [40 CFR §63.6655(d)]

iv. 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 according to the Permittee's own maintenance plan. [40 CFR §63.6655(e)]

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

vi. The Permittee shall keep each record readily accessible in hard copy or electronically form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record according to 40 CFR §63.10(b)(1). [40 CFR §63.6660(c)]

d. Reporting Requirements

i. The Permittee shall report each instance in which they did not meet each operating limitation in 40 CFR Part 63 Subpart ZZZZ, Table 2d. These instances are deviations from the operating limitations in 40 CFR Part 63 Subpart ZZZZ. These deviations must be reported according to the requirements in 40 CFR §63.6650. [40 CFR §63.6640(b)]

ii. For each deviation from an operating limitation that occurs for a stationary RICE where a continuous monitoring system is not used to comply with the operating limitations of 40 CFR Part 63 Subpart ZZZZ, the compliance report must contain the following information: [40 CFR §63.6650(d)]

(A) Company name and address;

(B) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report;

(C) Date of report and beginning and ending dates of the reporting period;

(D) Number, duration and brief description for each type of malfunction which occurred during the reporting period, and which caused or may have caused any applicable emission limitation to be exceeded. The report must include a description of actions taken by the Permittee during a malfunction of an affected source to minimize emissions, including the corrective action taken to correct a malfunction;

(E) The total operating time of the stationary RICE at which the deviation occurred during the reporting period; and

(F) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

C. GROUPED EMISSIONS UNIT 7 (GEU-7: EU-25, EU-26)

These engines are:

- Not subject to RCSA §22a-174-3a because potential emissions of any air pollutant are less than 15 TPY.

- Not subject to RCSA §22a-174-22f because each emergency engines has a maximum rated capacity of less than 1 MMBtu/hr.

- Subject to 40 CFR Part 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engine.

- Not subject to the numerical emission limitations in 40 CFR Part 63 Subpart ZZZZ. [40 CFR Part 63 Subpart ZZZZ – Table 2d]

1. 40 CFR Part 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engine.

- EU-25 (Guards): The emergency engine is an Existing Emergency Spark Ignition Engine; < 500 hp located at an area source of HAPs constructed before June 12, 2006.

- EU-26 (Fire Department): The emergency engine is an Existing Emergency Compression Ignition Engine < 500 hp located at an area source of HAPs constructed before June 12, 2006.

a. Limitations or Restrictions

i. The Permittee must operate the emergency stationary RICE according to the following requirements:

(A) There is no limit on the use of emergency stationary RICE in emergency situations. [40 CFR §63.6640(f)(1)]

(B) The Permittee may operate the emergency stationary RICE for a maximum of 100 hours per calendar year 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 owner or operator maintains records indicating that federal, state or local standards require maintenance and testing of the emergency engine beyond 100 hours per calendar year. [40 CFR §63.6640(f)(2)]

ii. The Permittee may operate the emergency stationary RICE 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 provided in Section III.C.1.a.i.(B) of this Title V permit. [40 CFR §63.6640(f)]

iii. The Permittee must comply with the following requirements: [40 CFR Part 63 Subpart ZZZZ – Table 2d(4) and (5)]

(A) EU-25 and EU-26: Change oil and filter every 500 hours of operation or within 1 year plus 30 days of the previous inspection, whichever comes first.
(B) EU-26: Inspect air cleaner every 1,000 hours of operation or within 1 year plus 30 days of the previous inspection, whichever comes first, and replace as necessary.
(C) EU-25: Inspect spark plugs every 1,000 hours of operation or within 1 year plus 30 days of the previous inspection, whichever comes first, and replaced as necessary.
(D) EU-25 and EU-26: Inspect all hoses and belts every 500 hours of operation or within 1 year plus 30 days of the previous inspection, whichever comes first, and replaced as necessary.
(E) EU-25 and EU-26: During periods of startup, minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe

loading of the engine, not to exceed 30 minutes, after which time the non-startup emissions apply.

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 work practice requirements on the schedule required in 40 CFR 63 Subpart ZZZZ, Table 2d, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable. [40 CFR Part 63 Subpart ZZZZ, Table 2d, Footnote 2]

v. The Permittee must be in compliance with the operating limitations in 40 CFR Part 63 Subpart ZZZZ that apply at all times. [40 CFR §63.6605(a)]

vi. At all times the Permittee shall operate and maintain any affected source 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 required levels 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 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 program must be performed at the same frequency specified for changing the oil in 40 CFR Part 63 Subpart ZZZZ, Table 2d. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within two business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within two business days or before commencing operation, whichever is later. [Table 2d, Footnote 1 and 40 CFR §63.6625(i)]

b. Monitoring and Testing Requirements

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

c. Record Keeping Requirements

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

ii. The Permittee must keep a copy of each report submitted to comply with 40 CFR Part 63 subpart ZZZZ. [40 CFR §63.6655(a)(1)]

iii. The Permittee shall make and keep records to show continuous compliance with each applicable work practice required in 40 CFR Part 63 Subpart ZZZZ, Table 6. [40 CFR §63.6655(d)]

iv. 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 according to the Permittee's own maintenance plan. [40 CFR §63.6655(e)]

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

vi. The Permittee shall keep each record readily accessible in hard copy or electronically form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record according to 40 CFR §63.10(b)(1). [40 CFR §63.6660(c)]

d. Reporting Requirements

i. The Permittee shall report each instance in which they did not meet each operating limitation in 40 CFR Part 63 Subpart ZZZZ, Table 2d. These instances are deviations from the operating limitations in 40 CFR Part 63 Subpart ZZZZ. These deviations must be reported according to the requirements in 40 CFR §63.6650. [40 CFR §63.6640(b)]

ii. For each deviation from an operating limitation that occurs for a stationary RICE where a continuous monitoring system is not used to comply with the operating limitations of 40 CFR Part 63 Subpart ZZZZ, the compliance report must contain the following information: [40 CFR §63.6650(d)]

(A) Company name and address;

(B) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report;

(C) Date of report and beginning and ending dates of the reporting period;

(D) Number, duration and brief description for each type of malfunction which occurred during the reporting period, and which caused or may have caused any applicable emission limitation to be exceeded. The report must include a description of actions taken by the Permittee during a malfunction of an affected source to minimize emissions, including the corrective action taken to correct a malfunction;

(E) The total operating time of the stationary RICE at which the deviation occurred during the reporting period; and

(F) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

D. GROUPED EMISSIONS UNIT 8 (GEU-8: EU-28 and EU-31)

These emergency engines:

- Are not subject to RCSA §22a-174-3a because each emergency engine has potential emissions less than 15 TPY for any air pollutant.

- Are not subject to RCSA §22a-174-22f because each emergency engine is oil-fired and has a maximum rated capacity of less than 1 MMBtu/hr.

- Comply with 40 CFR Part 63 Subpart ZZZZ by operating under the requirements of 40 CFR Part 60 Subpart IIII. Pursuant to 40 CFR §60.4214(b), these emergency engines are not required to submit initial notification.

1. 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engine

- EU-28 (New Tower Generator): Generac SD010
  Model Year: 2016
  Displacement per cylinder: 0.6 liters
  MRC: 37 kW
  Not a fire pump

- EU-31 (New Phone Generator): Generac SD050
  Model Year: 2018
  Displacement per cylinder: 0.85 liters
  MRC: 63 kW
  Not a fire pump

a. Limitation or Restriction

i. EU-28 and EU-31, being post 2007 model year emergency stationary CI ICEs with a displacement of less than 30 liters per cylinder, and are not fire pump engines, must comply with the emission standards for new nonroad CI engines in 40 CFR §60.4202, for all pollutants, for the same model year and maximum engine power as specified below: [40 CFR §§60.4205(b), 60.4202(a)(2)]

(A) EU-28: [40 CFR 1039 Appendix I, Table 2]

(1) NOx + NMHC: 7.5 g/kWh

(2) CO: 5.5 g/kWh

(3) PM: 0.6 g/kWh

(B) EU-31: [40 CFR 1039 Appendix I, Table 3]

(1) NOx + NMHC: 4.7 g/kWh

(2) CO: 5.0 g/kWh

(3) PM: 0.4 g/kWh

ii. The Permittee shall ensure each engine in GEU-8 is certified to the emission standards in 40 CFR §60.4205(b) for the same model year and maximum engine power for CO, PM and (NOx + NMHC). [40 CFR §60.4211(c)]

iii. The Permittee must operate each engine in GEU-8 according to the following requirements for each to be considered an emergency engine under 40 CFR Part 60 Subpart IIII:
[40 CFR §§60.4211(f)(1), (2)(i) and (3)]

(A) For each engine in GEU-8, there is no limit on the use of the emergency stationary ICE in emergency situations.

(B) For each engine in GEU-8, operation for up to 50 hours per calendar year in non-emergency situations is allowed. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing as provided in Section III.D.1.a.iii.(C) of this Title V permit.

(C) The Permittee may operate each engine in GEU-8 for a maximum of 100 hours per calendar year 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 the maintenance and testing of the ICE beyond 100 hours per calendar year. [40 CFR §60.4211(f)(2)(i)]

iv. The Permittee must use diesel fuel that meets the requirements of 40 CFR §1090.305 for nonroad diesel fuel. [40 CFR §60.4207(b)]

b. Monitoring Requirements

The Permittee shall install a non-resettable hour meter prior to startup of each engine in GEU-8. [40 CFR §60.4209(a)]

c. Record Keeping Requirements

i. The Permittee shall keep records documenting that each engine in GEU-8 is certified to comply with the emission limitations in 40 CFR §§60.4205(b), 60.4202(a)(1)(ii), 1039-Appendix I. [RCSA §22a-174-33(j)(1)(K)(ii)]

ii. The Permittee shall keep records of the hours of operation of each engine in GEU-8 in emergency and non-emergency service that are recorded through the non-resettable hour meter. The Permittee must record the time of operation of each engine and the reason the engine was in operation during that time. [40 CFR §60.4214(b)]

iii. The Permittee shall maintain records that demonstrate the diesel fuel purchased for use in GEU-8 complies with Section III.D.1.a.iv of this Title V permit. [RCSA §22a-174-33(j)(1)(K)(ii)]

iv. The Permittee shall keep all records required for a period of no less than five years and shall submit such records to the commissioner upon request. [RCSA §22a-174-33(j)(1)(K)]

d. Reporting Requirements

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

E. EMISSIONS UNIT 30 (EU-30)

- This emergency engine is not subject to RCSA §22a-174-3a, because potential emissions are less than 15

tons per year for any air pollutant. This emergency engine is subject to RCSA §22a-174-22f and 40 CFR Part 60 Subpart IIII.

1. NOx – RCSA §22a-174-22f

- Emergency engines do not have emission limits for NOx, however, there are record keeping and reporting requirements.

a. Limitation or Restriction

i. The Permittee shall not operate the engine for routine, schedule 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, schedule testing or maintenance for the remainder of the day. The operator of an emergency engine may rely on an ozone forecast of "moderate" or lower obtained by 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. [RCSA §22a-174-22f(d)]

b. Monitoring and Testing Requirements

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

c. Record Keeping Requirements

i. The Permittee of an emergency engine shall retain all records and reports produced for five years. Such records and reports shall be made available for inspection at reasonable hours by the commissioner or the Administrator. Such records and reports shall be retained at the premises where EU-30 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)(A), (B) and (C)]

(A) Daily records of the operating hours, identifying the operating hours of emergency and non-emergency use and the reason for each period of emergency or non-emergency operation.

(B) The date and work performed for repairs, replacement of parts and other maintenance; and

(C) Copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22f.

d. Reporting Requirements

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

2. 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engine

- EU-30 (New Data Center Generator): Kohler 250REOZJE
  The emergency engine was evaluated under the following parameters:
  Model Year: 2018
  Displacement per cylinder: 1.5 liters
  MRC: 287 kW
  Not a fire pump

- This emergency engine complies with 40 CFR Part 63 Subpart ZZZZ by operating under the requirements of 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engine. Pursuant to 40 CFR §60.4214(b), this emergency engine is not required to submit initial notification.

a. Limitation or Restriction

i. EU-30 being post 2007 model year emergency stationary CI ICE with a displacement of less than 30 liters per cylinder, and is not a fire pump engine must comply with the emission standards for new nonroad CI engines in 40 CFR §60.4202, for all pollutants, for the same model year and maximum engine power as specified below: [40 CFR §60.4205(b), §60.4202(a)(2), 40 CFR 1039 Appendix I, Table 3]

(A) NOx + NMHC: 4.0 g/kWh

(B) CO: 3.5 g/kWh

(C) PM: 0.20 g/kWh

ii. The Permittee shall install and configure the engine according to the manufacturer's emission related specifications to show compliance with the emission standards in 40 CFR §60.4205(b) for the same model year and maximum engine power. [40 CFR §60.4211(c)]

iii. The Permittee must operate the engine according to the following requirements: [40 CFR §§60.4211(f)(1), (2)(i) and (3)]

(A) There is no limit on the use of the emergency stationary ICE in emergency situations.

(B) Operation 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 as provided in Section III.E.2.a.iii.(C) of this Title V permit.

(C) The Permittee may operate the engine for a maximum of 100 hours per calendar year 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 the maintenance and testing of the ICE beyond 100 hours per calendar year.

iv. The Permittee must use diesel fuel that meets the requirements of 40 CFR §1090.305 for non-road diesel fuel. [40 CFR §60.4207(b)]

b. Monitoring Requirements

i. The Permittee shall install a non-resettable hour meter prior to startup of the engine. [40 CFR §60.4209(a)]

c. Record Keeping Requirements

i. The Permittee shall keep records of the hours of operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The Permittee must record the time of operation of the engine and the reason the engine was in operation during that time. [40 CFR §60.4214(b)]

ii. The Permittee shall maintain records that demonstrate the diesel fuel purchased for use in the engine complies with Section III.E.2.a.iv of this Title V permit. [RCSA §22a-174-33(j)(1)(K)(ii)]

iii. The Permittee shall keep all records required for a period of no less than five years and shall submit such records to the commissioner upon request. [RCSA §22a-174-33(j)(1)(K)]

d. Reporting Requirements

i. 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)]

F. EMISSIONS UNIT 32 (EU-32)

EU-32: Volvo Penta TWD1683GE "Rental" Emergency Engine (Tier 4)

This emergency engine is:

- Not subject to RCSA §22a-174-3a because potential emissions are less than 15 tons per year for any air pollutant,
- Subject to RCSA §22a-174-22f,
- A certified Tier 4 engine. It is exempt from the requirements of RCSA §22a-174-22f(d)(2) because the engine is a model year 2013 or later in compliance with the engine NOx emission standards of 40 CFR 1039, Subpart B in accordance with RCSA §22a-174-22f(d)(3). There is record keeping associated with EU-32 pursuant to RCSA §22a-174-22f(d)(1), and
- Subject to 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Engines

1. NOx: RCSA §22a-174-22f

- Emergency engines do not have emission limits for NOx under RCSA §22a-174-22f; however, there are record keeping and reporting requirements.

a. Limitation or Restriction

i. There are no limitations or restrictions applicable to EU-32.

b. Monitoring and Testing Requirements

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

c. Record Keeping Requirements

i. The Permittee of an emergency engine shall make and keep the following records: [RCSA §22a-174-22f(g)(3)(A), (B) and (C)]

(A) Daily records of the operating hours , identifying the operating hours of emergency and non-emergency use and the reason for each period of emergency and non-emergency operation.

(B) The date and work performed for repairs, replacement of parts and other maintenance; and

(C) Copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22f.

ii. The Permittee shall retain all records and reports 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)]

d. Reporting Requirements

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

2. 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engine

- EU-32 (Rental): Volvo Penta TWD1683GE Emergency Engine (Tier 4)
  The emergency engine was evaluated under the following parameters:
  Model Year: 2020
  Displacement per cylinder: 2.7 liters
  MRC: 665 kW
  Not a fire pump

- This emergency engine meets the requirements of 40 CFR Part 63 Subpart ZZZZ by meeting the requirements of 40 CFR Part 60 Subpart IIII. Pursuant to 40 CFR §60.4214(b), this emergency engine is not required to submit an initial notification.

a. Limitation or Restriction

i. EU-32 being post 2007 model year emergency stationary CI ICEs with a displacement of less than 30 liters per cylinder, and not fire pump engine must comply with the emission standards for new non-road CI engines in 40 CFR §60.4202, for all pollutants, for the same year and maximum engine power as specified below: [40 CFR §§60.4205(b), 60.4202(a)(2), 40 CFR 1039 Appendix I, Table 2]

(A) NOx + NMHC: 6.4 g/kWh

(B) CO: 3.5 g/kWh

(C) PM: 0.20 g/kWh

ii. The Permittee shall ensure that the emergency engine is certified to the emission standards in 40 CFR §60.4205(b) for the same model year and maximum engine power for CO, PM and (NOx + NMHC). [40 CFR §60.4211(c)]

iii. The Permittee must use diesel fuel that meets the requirements of 40 CFR §1090.305 for nonroad engines. [40 CFR §60.4207(b)]

(A) There is no limit on the use of the stationary ICE in emergency situations.

(B) 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 provided in Section III.F.2.iii.(C) of this Title V permit.

(C) The Permittee may operate the engine for a maximum of 100 hours per calendar year 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 the maintenance and testing of the ICE beyond 100 hours per calendar year. [40 CFR §60.4211(f)(2)(i)]

b. Monitoring Requirements

i. The Permittee shall install a non-resettable hour meter prior to the start-up of the engine. [40 CFR §60.4209(a)]

c. Record Keeping Requirements

i. The Permittee shall keep records of the hours of operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The Permittee must record the time of operation of the engine and the reason the engine was in operation during that time. [40 CFR §60.4214(b)]

ii. The Permittee shall keep records to show that the engine is certified to comply with the emission limitations in 40 CFR §§60.4205(b), 60.4202 and 40 CFR Part 60 Subpart IIII - §§60.4202(a)(2), 1039 – Appendix I. [40 CFR §60.4211(c)]

iii. The Permittee shall maintain records that demonstrate the diesel fuel purchased for use and in compliance with Section III.F.2.a.iii of this Title V permit. [RCSA §22a-174-33(j)(1)(X)]

iv. The Permittee shall keep all records required for a period of no less than five years and shall submit such records to the commissioner upon request. [RCSA §22a-174-33(j)(1)(K)]

d. Reporting Requirements

i. 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 date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

G. GROUPED EMISSIONS UNIT 10 (GEU-10: EU-33, EU-34)

GEU-10: Emergency Engines
EU-33: Cummins 450DFEJ Emergency Generator (Tier 2)
EU-34: Generac SD500 with Perkins engine Emergency Generator (Tier 2)

- These emergency engines operate under RCSA §22a-174-3b(e). The emergency engines are subject to RCSA §22a-174-22f, and 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Ignition

Engines.

1. Exemption from Permitting for Construction and Operation of Emergency Engines [STATE ONLY REQUIREMENTS]

a. Limitation or Restriction

i. The Permittee shall operate each engine as an emergency engine as defined in RCSA §22a-174-22e. [RCSA §22a-174-3b]

ii. The Permittee shall not allow any of the emergency engines to operate except during periods of testing and scheduled maintenance or during an emergency and unless the following conditions are met: [RCSA §22a-174-3b(e)(2)(A) and (B)]

(A) Each emergency engine shall not exceed 300 hours during any 12 month rolling aggregate; and

(B) Any non-gaseous fuel consumed by each engine shall comply with the sulfur content requirements of RCSA §22a-174-19b(d)(2)]

b. Monitoring Requirements

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

c. Record Keeping Requirements

i. The Permittee shall make and keep the following records:

(A) Hours of operation for each month and each 12 month rolling aggregate. [RCSA 22a-174-3b(e)(4)]

(B) Records specified in RCSA §22a-174-19b(g)(3).

ii. All records above shall be maintained for a period of five years and made available to the commissioner to inspect and copy upon request. [RCSA §22a-174-3b(e)(3)]

d. Reporting Requirements

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

2. NOx: RCSA §22a-174-22f

- Emergency engines do not have emission limits for NOx under RCSA §22a-174-22f; however, there are record keeping and reporting requirements.

a. Limitation or Restriction

i. The Permittee shall not operate the engine for routine, schedule 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, schedule testing or maintenance for the remainder of the day. The operator of an emergency engine may rely on an ozone forecast of "moderate" or

lower obtained by 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. [RCSA §22a-174-22f(d)(2)]

b. Monitoring and Testing Requirements

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

c. Record Keeping Requirements

i. The Permittee of an emergency engine shall make and keep the following records: [RCSA §22a-174-22f(g)(3)(A), (B) and (C)]

(A) Daily records of the operating hours of such engine, identifying the operating hours of emergency and non-emergency use and the reason for each period of emergency and non-emergency operation;

(B) The date and work performed for repairs, replacement of parts and other maintenance; and

(C) Copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22f.

ii. The Permittee shall retain all records and reports for five years. Such records and report 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)]

d. Reporting Requirements

i. 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)]

3. 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engine

- EU-33 (WWTP): Cummins 450DFEJ
  The emergency engine was evaluated under the following parameters:
  Model Year: 2020
  Displacement per cylinder: 2.5 liters
  MRC: 563 kW
  Not a fire pump
- EU-34: Generac SD500 with Perkins engine Emergency Generator (Tier 2)
  Model Year: 2022
  Displacement per cylinder: 2.5 Liters
  MRC: 568 kW
  Not a fire pump

- These emergency engines meet the requirements of 40 CFR Part 63 Subpart ZZZZ by meeting the requirements of 40 CFR Part 60 Subpart IIII. Pursuant to 40 CFR §60.4214(b), these emergency engines

are not required to submit an initial notification.

a. Limitation and Restriction

i. EU-33 and EU-34 being post 2007 model year emergency stationary CI ICEs with a displacement of less than 30 liters per cylinder, and are not fire pump engines must comply with the emission standards for new non-road CI engines in 40 CFR §60.4202, for all pollutants, for the same year and maximum engine power as specified below: [40 CFR §§60.4205(b), 60.4202(a)(2), 40 CFR 1039 Appendix I, Table 2]

(A) NOx + NMHC: 6.4 g/kWh

(B) CO: 3.5 g/kWh

(C) PM: 0.20 g/kWh

ii. The Permittee shall ensure that the engines are certified to the emission standards in 40 CFR §60.4205(b) for the same model year and maximum engine power for CO, PM and (NOx + NMHC). [40 CFR §60.4211(c)]

iii. The Permittee must use diesel fuel that meets the requirements of 40 CFR §1090.305 for nonroad engines. [40 CFR §60.4207(b)]

iv. The Permittee must operate each engine according to the following requirements: [40 CFR §60.4211(f)(2)(i)]

(A) The Permittee may operate the engines for a maximum of 100 hours per calendar year 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 the maintenance and testing of the ICE beyond 100 hours per calendar year.

b. Monitoring Requirements

i. The Permittee shall install a non-resettable hour meter prior to the start-up of each engine. [40 CFR §60.4209(a)]

c. Record Keeping Requirements

i. The Permittee shall keep records of the hours of operation of each engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The Permittee must record the time of operation of each engine and the reason the engine was in operation during that time. [40 CFR §60.4214(b)]

ii. The Permittee shall keep records to show that engines are certified to comply with the emission limitations in 40 §§60.4205(b), 60.4202 and 40 CFR Part 60 Subpart IIII - §§60.4202(a)(2), 1039 – Appendix I. [40 CFR §60.4211(c)]

iii. The Permittee shall maintain records that demonstrate the diesel fuel purchased for use in the engines complies with Section III.G.3.a.iii of this Title V permit. [RCSA §22a-174-33(j)(1)(K)(ii)]

iv. The Permittee shall keep all records required for a period of no less than five years and shall submit such records to the commissioner upon request. [RCSA §22a-174-33(j)(1)(K)]

d. Reporting Requirements

i. 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 date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

H. EMISSIONS UNIT 39 (EU-39)

- EU-39 (Whirlstand Generator): Cummins C50N6
  Model Year: 2023
  Displacement per cylinder: 0.98 Liters
  MRC: 63.2 kW
  Not a fire pump

- This emergency engine is not subject to RCSA §22a-174-3a, because potential emissions are less than 15 tons per year for any air pollutant. This emergency engine is not subject to RCSA §22a-174-22f and it operates under the requirements of 40 CFR Part 60 Subpart JJJJ – Standards of Performance for Emergency Spark Ignition Internal Combustion Engines – Standards of Performance for Emergency Spark Ignition Internal Combustion Engines.

1. 40 CFR Part 60 Subpart JJJJ – Standards of Performance for Emergency Spark Ignition Internal Combustion Engines

a. Limitation or Restrictions

i. The Permittee shall comply with the emission standards in 40 CFR Part 60 Subpart JJJJ - Table 1: [40 CFR §60.4233(d), 40 CFR Part 60 Subpart JJJJ – Table 1]

(A) NOx + HC: 10 g/HP-hr

(B) CO: 387 g/HP-hr

ii. The Permittee of a stationary SI ICE must operate and maintain SI ICE to achieve the standards in Section III.H.1.a.i.(A) and (B) of this Title V permit over the entire life of the engine. [40 CFR §60.4234]

iii. If the Permittee operates and maintains the certified stationary SI internal combustion engine according to the manufacturer's emission related written instructions, the Permittee must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required. The Permittee must also meet the requirements as specified in 40 CFR Part 1068, Subparts A through D, as applicable. If the Permittee adjusts engine settings according and consistent with manufacturer's instructions, the stationary SI internal combustion engine will not be considered out of compliance. [40 CFR §60.4243(a)(1)]

iv. The Permittee must comply with the emissions standards specified in Section III.H.1.a.i.(A) and (B) by purchasing an engine certified according to procedures specified in 40 CFR Part 60 Subpart JJJJ, for the same model year and demonstrating compliance according to one of the methods specified in 40 CFR §60.4243(a). [40 CFR §60.4243(b)(1)]

v. The Permittee must operate the emergency stationary ICE according to the following requirements: [40 CFR §§60.4243(d)(1) through (3)]

(A) There is no limit on the use of emergency stationary ICE in emergency situations.

(B) Emergency stationary ICE may be operated for a maximum of 100 hours per calendar year for maintenance check and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(C) Emergency stationary ICE 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 provided in Section III.H.1.a.iv.(B) of this Title V permit.

(D) Except as provided in 40 CFR §60.4243(d)(3)(i), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

vi. The Permittee of a stationary SI natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the Permittee is required to conduct a performance test to demonstrate compliance with the emission standards of 40 CFR §60.4233. [40 CFR §60.4243(e)]

vii. If the Permittee does not operate and maintain the certified engine according to the manufacturer's written emission-related instructions, you must comply with the requirements of 40 CFR §60.4243(f). [40 CFR §60.4243(f)]

b. Monitoring and Testing Requirements

i. The Permittee shall install a non-resettable hour meter upon startup of the emergency engine. [40 CFR §60.4237(c)]

c. Record Keeping Requirements

i. The Permittee of all stationary SI ICE must keep records of the following records: [40 CFR §60.4245(a)(1) through (3)]

(A) All notifications submitted to comply with 40 CFR Part 60 Subpart JJJJ and all documentation supporting any notification.

(B) Maintenance conducted on the engine.

(C) Documentation from the manufacturer that the engine is certified to meet the emissions standards and information as required in 40 CFR Parts 1048, 1054, and 1060, as applicable.

ii. The Permittee shall keep records of the hours of operation of the engine as recorded through the non-resettable hour meter. The Permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. [40 CFR §60.4245(b)]

d. Reporting Requirements

i. The Permittee shall comply with the requirements of 40 CFR §60.4245 as they apply to the emergency engine. [40 CFR §60.4245]

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

I. EMISSIONS UNIT 24 (EU-24): Cogeneration facility consisting of a 10 MW SOLAR Mars 100 Axial Gas Turbine with dry SoLoNOx, or lean premix gas turbine, Cleaver Brooks Energy Recovery/Natcom Duct Burner and Cleaver Brooks Energy Recovery Heat Recovery Steam Generator operating under Permit No. 178-0129, subject to 40 CFR Part 60 Subpart KKKK - New Source Performance Standards for Stationary Combustion Turbines

1. Fuel Type, Fuel Consumption, Percent Sulfur and Operational Conditions

a. Limitation or Restriction

i. The Permittee shall only burn ULSD fuel oil and natural gas in the combustion turbine. [Permit No. 178-0129]

ii. The Permittee shall only burn natural gas in the duct burner. [Permit No. 178-0129]

iii. The combustion turbine is limited to 810,110 gallons of ULSD fuel oil and 1,068 $MMft^3$ of natural gas over any consecutive 12 month period. [Permit No. 178-0129]

iv. The duct burner is limited to 298 $MMft^3$ of natural gas over any consecutive 12 month period. [Permit No. 178-0129]

v. The sulfur content for ULSD fuel oil shall not exceed 0.0015% by weight on a dry basis. [Permit No. 178-0129]

vi. The fuel sulfur content for natural gas shall not exceed 20.0 grains/100 scf. [Permit No. 178-0129]

vii. The Permittee shall operate and maintain this equipment in accordance with the manufacturer's specifications and written recommendations. The Permittee shall operate and maintain this stationary combustion turbine, duct burner, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including startup, shutdown and malfunction. [40 CFR §60.4333(a); Permit No. 178-0129]

viii. The Permittee shall properly operate the control equipment at all times that this turbine/duct burner is in operation and emitting air pollutants. [Permit No. 178-0129]

ix. In the event a malfunction cannot be corrected within three hours, the Permittee shall immediately institute shutdown of the turbine. [Permit No. 178-0129]

b. Monitoring and Testing Requirements

i. The Permittee shall use an individual non-resettable totalizing fuel metering device or a billing meter to continuously monitor the natural gas and ULSD fuel oil feeds to the turbine and the natural gas feed to the duct burner. [Permit No. 178-0129]

c. Record Keeping Requirements

i. The Permittee shall keep records of monthly and consecutive 12 month fuel consumption. The consecutive 12 month fuel consumption shall be determined by adding (for each fuel) the current month's fuel consumption to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the previous month. [Permit No. 178-0129]

ii. The Permittee shall keep the following records: [Permit No. 178-0129]

(A) The fuel certification for each delivery of fuel oil from a bulk petroleum provider; or

(B) The sulfur content shall be analyzed in accordance with the American Society for Testing and Material (ASTM) test method D4294-10, Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry, or D7039-07, Standard Test Method for Sulfur in Gasoline and Diesel Fuel by Monochromatic Wavelength Dispersive X-ray Fluorescense Spectrometry, or the current active version thereof, and automatic sampling equipment shall conform to ASTM test method D4177-95 (2010), Standard Practice for Automatic Sampling of Petroleum and Petroleum Products, or the current active version thereof. [RCSA §22a-174-19b(f)(3)]

(C) A current valid purchase contract, tariff sheet, or transportation contract which demonstrates the maximum total sulfur content of the natural gas burned in the combustion turbine and duct burner. [Permit No. 178-0129; RCSA §22a-174-33(j)(1)(K)]

iii. The Permittee shall keep records, when the turbine/duct burner is changed for routine maintenance, to include the following: [Permit No. 178-0129]

(A) The date the turbine/duct burner was changed;

(B) The reason for the change;

(C) Documentation that the replacement turbine/duct burner is the same make and model number;

(D) Documentation of all associated fixed capital costs; and

(E) Documentation showing that the replacement turbine/duct burner does not result in an increase in emissions, the emission of any new air pollutant or increases in electrical output of the turbine.

iv. The Permittee shall keep records required by this Title V permit for a period of no less than five years and shall submit such records to the commissioner upon request. [Permit No. 178-0129]

d. Reporting Requirements

i. The Permittee shall notify the commissioner in writing of any malfunction of the stationary gas turbine, duct burner, the air pollution control equipment or the continuous monitoring system. The Permittee shall submit such notification within 10 days of the malfunction. The notification shall include the following: [Permit No. 178-0129]

(A) A description of the malfunction and a description of the circumstances surrounding the cause or likely cause of such malfunction; and

(B) A description of all corrective actions and preventive measures taken and/or planned with respect to such malfunction and the dates of such actions and measures.

2. $PM_{10}/PM_{2.5}$, SO_2/Sulfur, VOC and Pb

a. Limitation or Restriction

i. Allowable Emission Limits for $PM_{10}/PM_{2.5}$ (from turbine manufacturer) [Permit No. 178-0129]

(A) Natural gas: combustion turbines: 0.021 lb/MMBtu, 2.61 lb/hr

(B) ULSD fuel oil: combustion turbines: 0.039 lb/MMBtu, 4.42 lb/hr

(C) Turbine and duct burner operating on natural gas: 0.028 lb/MMBtu, 2.87 lb/hr

(D) Turbine operating on ULSD fuel oil and duct burner operating on natural gas: 0.046 lb/MMBtu, 4.68 lb/hr

(E) Annual Emission Limit: 13.5 tons per consecutive 12 months

ii. Allowable Emissions for SO_2 (AP-42) [Permit No. 178-0129]

(A) Natural gas: combustion turbines: 6.58E-04 lb/MMBtu, 0.08 lb/hr

(B) ULSD fuel oil: combustion turbines: 1.52E-03 lb/MMBtu, 0.17 lb/hr

(C) Turbine and duct burner operating on natural gas: 1.25E-03 lb/MMBtu, 0.10 lb/hr

(D) Turbine operating on ULSD fuel oil and duct burner operating on natural gas: 2.10E-03 lb/MMBtu, 0.19 lb/hr

(E) Annual Emission Limit: 0.5 tons per consecutive 12 months

(F) The Permittee must comply with one of the following: [40 CFR Part 60.4330(a)]

(1) not cause to be discharged into the atmosphere from the subject stationary combustion turbine any gases which contain SO_2 in excess of 110 nanograms per Joule (ng/J) (0.90 pounds per megawatt-hour (lb/MWh)) gross output; or

(2) not burn in the subject stationary combustion turbine any fuel which contains total potential sulfur emissions in excess of 26 ng SO_2/J (0.060 lb SO_2/MMBtu) heat input.

iii. Allowable Emission Limits for VOC (from turbine manufacturer) [Permit No. 178-0129]

(A) Natural gas: combustion turbine: 7.77E-03 lb/MMBtu, 0.97 lb/hr

(B) ULSD fuel oil: combustion turbines: 0.039 lb/MMBtu, 4.37 lb/hr

(C) Turbine and duct burner operating on natural gas: 1.32E-02 lb/MMBtu, 1.15 lb/hr

(D) Turbine operating on ULSD fuel oil and duct burner operating on natural gas: 0.044 lb/MMBtu, 4.55 lb/hr

(E) Annual Emission Limit: 7.0 tons per consecutive 12 months

iv. Allowable Emission Limits for Pb (AP-42) [Permit No. 178-0129]

(A) ULSD fuel oil: combustion turbine: 1.40E-05 lb/MMBtu, 1.59E-03 lb/hr

(B) Turbine and duct burner operating on natural gas: 4.90E-07 lb/MMBtu, 1.70E-05 lb/hr

(C) Turbine operating on ULSD fuel oil and duct burner operating on natural gas: 1.45E-05 lb/MMBtu, 1.61E-03 lb/hr

b. Monitoring and Testing Requirements

i. The Permittee may elect not to monitor the total sulfur content of the fuel combusted in the turbine if the fuel is demonstrated not to exceed potential sulfur emissions of 26 ng SO_2/J (0.060 lb SO_2/MMBtu) heat input. The Permittee must use one of the following sources of information to make the required demonstration: [40 CFR §60.4365]

(A) The fuel quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the fuel, specifying that the maximum total sulfur content for oil use is 0.05 weight percent (500 ppmw) or less, the total sulfur content for natural gas use in continental areas is 20 grains of sulfur or less per 100 scf, has potential sulfur emissions of less than 26 ng SO_2/J (0.060 lb SO_2/MMBtu) heat input; or

(B) Representative fuel sampling data which show that the sulfur content of the fuel does not exceed 26 ng SO_2/J (0.060 lb SO_2/MMBtu) heat input. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of Appendix D of 40 CFR Part 75 is required.

ii. The Permittee shall demonstrate compliance with the emission limits in Section III.I.2.a of this Title V permit by calculating the emission rates using emission factors from the Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Section 3.1, April 2000, or most recent revision, and equipment manufacturer data (turbine) and Section 1.4, July 1998, or most recent revision, and equipment manufacturer data (duct burner). [Permit No. 178-0129]

c. Record Keeping Requirements

i. The Permittee shall calculate and record the monthly and consecutive 12 month $PM_{2.5}$, PM_{10}, SO_2 and VOC emissions in units of tons. The consecutive 12 month emissions shall be determined by adding (for each pollutant) the current month emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [Permit No. 178-0129]

ii. The Permittee shall keep records required by this Title V permit for a period of no less than five years and shall submit such records to the commissioner upon request. [Permit No. 178-0129]

d. Reporting Requirements

i. 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)]

3. NOx and Ammonia

a. Limitation or Restriction

i. Allowable Emission Limits for NOx (from turbine manufacturer) [Permit No. 178-0129]

(A) Natural gas: combustion turbine: 2.5 ppmvd @ 15% O_2, 0.011 lb/MMBtu, 1.37 lb/hr

(B) ULSD fuel oil: combustion turbine: 9.6 ppmvd @ 15% O_2, 0.042 lb/MMBtu, 4.78 lb/hr

(C) Turbine and duct burner operating on natural gas: 2.5 ppmvd @ 15% O_2, 0.021 lb/MMBtu, 1.73 lb/hr

(D) Turbine operating on ULSD fuel oil and duct burner operating on natural gas: 9.6 ppmvd @ 15% O_2, 0.052 lb/MMBtu, 5.14 lb/hr

(E) Annual Emission Limit: 9.5 tons per consecutive 12 months

(F) Allowable Emission Limits for Ammonia: 5.0 ppmvd @ 15% O_2 [Permit No. 178-0129]

b. Monitoring and Testing Requirements

i. The Permittee shall demonstrate compliance with the emission limits in Section III.I.3.a of this Title V permit by calculating the emission rates using stack test data. [Permit No. 178-0129]

ii. The Permittee shall conduct annual stack testing to demonstrate compliance with the NOx emission limits in accordance with 40 CFR §60.4400. If the NOx emissions results from the performance test is less than or equal to 75% of the NOx emission limits of 25 ppmvd @ 15% O_2 when firing natural gas or 74 ppmvd @ 15% O_2 when firing No. 2 fuel oil (Table 1 of 40 CFR Part 60 Subpart KKKK), the frequency of subsequent performance tests may be reduced to once every two years and as allowed by 40 CFR §60.4340 (14 (annual)/26 (biennial) months since last test).
[40 CFR §60.4400; Permit No. 178-0129]

iii. Recurrent stack testing for NOx and Ammonia shall be conducted within five years from the previous stack test to demonstrate compliance with the limits in Section III.I.3.a of this Title V permit.
[Permit No. 178-0129]

iv. The maximum rated capacity of the turbine may be corrected for the ambient temperature at the time of the stack testing using the following equations: [Permit No. 178-0129]

(A) Natural Gas (MMBtu/hr): $-6.00145E-04*T^2 - 2.17845E-01*T +126.99$

(B) No. 2 Fuel Oil (ULSD): $-4.46663E-04*T^2 – 2.81833E-01*T + 125.003$

Where T is in degree Fahrenheit (^oF).

v. The Permittee shall continuously monitor the SCR aqueous ammonia injection rate (lb/hr), operating temperature (^oF) and pressure drop (inches of water) across the catalyst bed. The Permittee shall maintain these parameters within the ranges recommended by the manufacturer to achieve compliance with all the emission limits in Section III.IF.3.a of this Title V permit.
[Permit No. 178-0129]

vi. The Permittee shall inspect the SCR once per year, at a minimum, or more frequently if recommended by manufacturer. [Permit No. 178-0129]

c. Record Keeping Requirements

i. The Permittee shall calculate and record the monthly and consecutive 12 month NOx emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month emissions to that of the previous 11 months. Such records shall include a sample calculation for such pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [Permit No. 178-0129]

ii. The Permittee shall continuously record the SCR aqueous ammonia injection rate (lb/hr), operating temperature (^{o}F) and pressure drop (inches of water) across the catalyst bed. The Permittee shall maintain these parameters within ranges recommended by the manufacturer to achieve compliance with all the emission limits in Section III.I.3.a of this Title V permit. [Permit No. 178-0129]

iii. The Permittee shall keep records of the inspection and maintenance of the SCR. The records shall include the name of the person, the date, the results or actions and the date the catalyst is replaced. [Permit No. 178-0129]

iv. The Permittee shall keep records required by this Title V permit for a period of no less than five years and shall submit such records the commissioner upon request. [Permit No. 178-0129]

d. Reporting Requirements

i. The Permittee shall notify the commissioner in writing of any malfunction of the stationary gas turbine, duct burner, the air pollution control equipment or the continuous monitoring system. The Permittee shall submit such notification within 10 days of the malfunction. The notification shall include the following: [Permit No. 178-0129]

(A) a description of the malfunction and a description of the circumstances surrounding the cause or likely cause of such malfunction and,

(B) a description of all corrective actions and preventive measures taken and/or planned with respect to such malfunction and the dates of such actions and measures.

ii. For each affected unit that performs annual performance test in accordance with 40 CFR §63.4340(a), the Permittee must submit a written report of the results of each performance test to EPA before the close of business on the 60th day following the completion of the performance test. [40 CFR §60.4375(b)]

4. CO

a. Limitation or Restriction

i. Allowable Emission Limits for CO (from turbine manufacturer) [Permit No. 178-0129]

(A) Natural gas: combustion turbine: 7.5 ppmvd @ 15% O_2, 0.02 lb/MMBtu, 2.50 lb/hr

(B) ULSD fuel oil: combustion turbine: 7.5 ppmvd @ 15% O_2, 0.02 lb/MMBtu, 2.26 lb/hr

(C) Turbine and duct burner operating on natural gas:
7.5 ppmvd @ 15% O_2, 0.032 lb/MMBtu, 2.93 lb/hr

(D) Turbine operating on ULSD fuel oil and duct burner operating on natural gas: 7.5 ppmvd @ 15% O_2, 0.032 lb/MMBtu, 2.68 lb/hr

(E) Annual Emission Limit: 13.0 tons per consecutive 12 months

b. Monitoring and Testing Requirements

i. The Permittee shall demonstrate compliance with the emission limits in Section III.I.4.a of this Title V permit by calculating the emission rates using stack test data. [Permit No. 178-0129]

ii. The Permittee shall continuously monitor the oxidation catalyst inlet temperature (°F). The Permittee shall maintain this parameter within the range recommended by the manufacturer to achieve compliance with all the emission limits in Section III.I.4.a of this Title V permit. [Permit No. 178-0129]

iii. The Permittee shall inspect the oxidation catalyst once per year, at a minimum, or more frequently if recommended by manufacturer. [Permit No. 178-0129]

iv. Recurrent stack testing for CO shall be conducted within five years from the date of the previous stack test to demonstrate compliance with the limits in Section III.I.4.a of this Title V permit. [Permit No. 178-0129]

v. The maximum rated capacity of the turbine may be corrected for the ambient temperature at the time of stack testing using the following equations: [Permit No. 178-0129]

(A) Natural Gas (MMBtu/hr) = $-6.00145E-04*T^2 - 2.17845E-01*T + 126.99$

(B) No. 2 Fuel Oil (ULSD) = $-4.46663E-04*T^2 - 2.81833E-01*T + 125.003$

Where T is in degree Fahrenheit (°F).

c. Record Keeping Requirements

i. The Permittee shall continuously record the oxidation catalyst inlet temperature (°F). The Permittee shall maintain this parameter within the range recommended by the manufacturer to achieve compliance with all the emission limits in Section III.I.4.a of this Title V permit. [Permit No. 178-0129]

ii. The Permittee shall keep records of the inspection and maintenance of the oxidation catalysts. The records shall include the name of the person, the date, the results or actions and the date the catalyst is replaced. [Permit No. 178-0129]

iii. The Permittee shall calculate and record the monthly and consecutive 12 month CO emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [Permit No. 178-0129]

iv. The Permittee shall keep records required by this Title V permit for a period of no less than five years and shall submit such records to the commissioner upon request. [Permit No. 178-0129]

d. Reporting Requirements

i. The Permittee shall notify the commissioner in writing of any malfunction of the air pollution control equipment. The Permittee shall submit such notification within 10 days of the malfunction. The notification shall include the following: [Permit No. 178-0129]

(A) A description of the malfunction and a description of the circumstances surrounding the cause or likely cause of such malfunction; and

(B) A description of a corrective action preventive measures taken and/or planned with respect to such malfunction and the dates of such actions and measures.

5. Startup and Shutdown

a. Limitation or Restriction

i. The Permittee shall minimize emissions during periods of startup and shutdown by the following work practices and time constraints. [Permit No. 178-0129]

(A) Start the ammonia injection as soon as minimum catalyst temperature is reached.

(B) The oxidation catalyst shall not be bypassed during startup or shutdown.

(C) The duration of startup shall not exceed 60 minutes for a hot start or a warm start, nor 240 minutes for a cold start.

(D) A hot start shall be defined as startup when the turbine has been down for less than 8 hours.

(E) A warm start shall be defined as startup when the turbine has been down for more than 8 hours.

(F) A cold start shall be defined as startup when the turbine has been down for more than 24 hours.

(G) The duration of shutdown shall not exceed 60 minutes.

ii. Emissions during these periods shall be counted towards the annual emission limits in Sections III.I.3.a.i.(E) and Section III.I.4.a.i.(E) of this Title V permit. [Permit No. 178-0129]

iii. The Permittee shall operate and maintain this equipment in accordance with the manufacturer's specifications and written recommendations. The Permittee shall operate and maintain this stationary combustion turbine, duct burner, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction. [40 CFR §60.4333(a); Permit No. 178-0129]

b. Monitoring and Testing Requirements

i. The Permittee shall demonstrate compliance with the annual emission limits in Sections III.I.3.a.i.(E) and III.I.4.a.i.(E) of this Title V permit by calculating the emission rates using the following emission factors for cold, hot and warm startup and shutdown: [Permit No. 178-0129]

(A) NOx – Natural Gas

(1) Startup: 6.22 lbs/event

(2) Shutdown: 0.50 lbs/event

(B) NOx – ULSD

(1) Startup: 5.44 lbs/event

(2) Shutdown: 1.11 lbs/event

(C) CO – Natural Gas

(1) Startup:13.75 lbs/event

(2) Shutdown: 1.61 lbs/event

(D) CO – ULSD

(1) Startup: 26.31 lbs/event

(2) Shutdown: 0.87 lbs/event

c. Record Keeping Requirements

i. The Permittee shall keep records of the occurrence and duration of any startup, shutdown or malfunction in the operation of the stationary gas turbine, duct burner or any malfunction of the air pollution control equipment. [Permit No. 178-0129; 40 CFR §60.7(b)]

d. Reporting Requirements

i. 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)]

6. Opacity

a. Limitation or Restriction

i. Opacity shall not exceed 10% during any six minute block average as measured by 40 CFR Part 60, Appendix A, reference Method 9. [Permit No. 178-0129]

ii. Opacity shall not exceed 40% opacity as measured by 40 CFR 60, Appendix A, reference Method 9, reduced to a one-minute block average. [RCSA §22a-174-18(b)(1)(B)]

b. Monitoring and Testing Requirements

i. Record keeping specified in Section III.I.6.c of this Title V permit shall be sufficient to meet other Monitoring and Testing Requirements pursuant to RCSA §22a-174-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

i. The Permittee shall maintain records sufficient to determine compliance with the limitation or restriction in Section III.I.6.a of this Title V permit. [RCSA §22a-174-33(j)(1)(K)]

d. Reporting Requirements

i. 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)]

7. Premises Wide Cap for NOx

a. Limitation or Restriction

i. NOx emissions for the premises shall not equal or exceed 25 tons over any consecutive 12 month period. [Permit No. 178-0129]

b. Monitoring and Testing Requirements

i. The Permittee shall monitor fuel consumption for each fuel burning emissions unit at the premises, excluding mobile sources as defined in RCSA §22a-174-1 and insignificant sources listed in RCSA §22a-174-33, under one of the following options: [Permit No. 178-0129]

(A) Fuel Meter:

(1) Using an individual non-resettable fuel meter; or

(2) Using a fuel meter that measures fuel supplied to a group of emissions units.

(B) Hourly Meter:

(1) Using an individual hourly meter; or

(2) Using an hourly meter for a group of emissions units.

(C) In the absence of fuel or hourly meters, rental units may use purchase records or invoices.

c. Record Keeping Requirements

i. The Permittee shall make and keep a current record of all fuel burning equipment at the premises, excluding mobile sources as defined in RCSA §22a-174-1 and insignificant sources listed in RCSA §22a-174-33. The record shall include both permanent and temporary emissions units, as defined in RCSA §22a-174-22e, at the premises. The record shall include, at a minimum, the following information for each fuel burning emissions unit: [Permit No. 178-0129]

(A) A description; including: make, model, location, and Emissions Unit (EU) Number or other identification number;

(B) The maximum rated capacity;

(C) Identification of the fuel(s) used;

(D) Monitoring method in accordance with Section III.I.7.b of this Title V permit as well as the basis, i.e. New Source Review, Federal/State Regulation or Order number, where applicable;

(E) Emission factor for NOx and source of such factor; and

(F) The construction or placement date of temporary units and removal date, as applicable.

ii. For each emissions unit, or group of emissions units identified in Section III.I.7.c.i of this Title V permit as using a fuel meter to monitor fuel consumption: The Permittee shall make and keep records of monthly and consecutive 12 month fuel consumption (for each fuel, if applicable). The consecutive 12 month fuel consumption shall be determined by adding the current month's fuel consumption to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [Permit No. 178-0129]

iii. For each emissions unit, or group of emissions units identified in Section III.I.7.c.i of this Title V permit as using an hourly meter to monitor hours of operation: The Permittee shall make and keep records of monthly and consecutive 12 month hours of operation. The consecutive 12 month hours of operation shall be determined by adding the current month's hours of operation to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [Permit No. 178-0129]

iv. For each emissions unit, or group of emissions units identified in Section III.I.7.c.i of this Title V permit as using purchase records or invoices: The Permittee shall make and keep records of monthly and consecutive 12 month fuel consumption. The Permittee shall make and keep records of monthly and consecutive 12 month fuel consumption (for each fuel, if applicable). The consecutive 12 month fuel consumption shall be determined by adding the current month's fuel consumption to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [Permit No. 178-0129]

v. The Permittee shall calculate and record the monthly and consecutive 12 month NOx emissions for the premises. The consecutive 12 month NOx emissions shall be determined by adding the current month's NOx emissions to that of the previous 11 months for the premises. The Permittee shall make these calculations within 30 days of the end of the previous month. [Permit No. 178-0129]

vi. The Permittee shall keep records of all purchase orders, invoices, emissions calculations methodology or other documents necessary to verify the records required by Section III.I.7 of this Title V permit. [Permit No. 178-0129]

vii. The Permittee shall keep all records required by this Title V permit for a period of no less than five years and shall submit such records to the commissioner upon request. [Permit No. 178-0129]

d. Reporting Requirements

i. 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)]

8. NOx – RCSA §22a-174-22f

Classification:

- The combined cycle combustion turbine is located at a facility that is not a major stationary source of NOx,
- The turbine/supplemental burner is gas fired and has a maximum rated capacity greater than 16 MMBtu/hr,
- The turbine is oil fired and has a maximum rated capacity greater than 6 MMBtu/hr, and
- The turbine is located in a severe non-attainment area for ozone.

a. Limitation or Restriction

i. If the emissions unit exceeds 137 lbs of NOx on any day from May 1 to September 30, inclusive, the notification required by Section III.I.8.d.1 of this Title V permit shall be submitted within 60 days of the day on which the threshold is first exceeded and the Permittee shall operate the emissions unit in compliance with RCSA §22a-174-22e no later than 270 days after the day on which the threshold is first exceeded. [RCSA §22a-174-22f(e)(3)]

b. Monitoring and Testing Requirements

i. Record keeping specified in Section III.I.8.c of this Title V permit shall be sufficient to meet other Monitoring and Testing Requirements pursuant to RCSA §22a-174-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

i. The Permittee shall make and keep the following records: [RCSA §22a-174-22f(g)(2)(A) through (F)]

(A) During the period from May 1 to September 30, inclusive, records sufficient to determine the NOx emissions (lb) per day;

(B) A calculation of NOx emissions on each day of operation, performed no later than the last day of each month for everyday of operation in the preceding month;

(C) The method used to calculate daily NOx emissions and the information used to determine the NOx emissions rate chosen from the options in RCSA §22a-174-22f(g)(2)(C)(i) through (v);

(D) The date and work performed for repairs, replacement of parts and other maintenance;

(E) For each emissions unit for each tune-up conducted pursuant to RCSA §22a-174-22f(f), the date on which the emissions unit is tuned-up; the name, title and affiliation of the person performing the tune-up, and a description of work performed; and

(F) Copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22f.

ii. 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 emissions unit is located. [RCSA §22a-174-22f(g)(1)]

d. Reporting Requirements

i. If the emissions unit exceeds the daily NOx threshold in Section III.I.8.a of this Title V permit, the Permittee shall submit a notification to the compliance Analysis and Coordination Unit, Bureau of Air Management at the Department. Such a notification shall be submitted no later than 60 days after the date on which daily NOx emissions thresholds were exceeded and shall include the information in RCSA §22a-174-22f(h). [RCSA §22a-174-22f(h)]

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

9. Premises Wide Cap for HAPs

a. Limitation or restriction

i. The Permittee shall not cause or allow the emissions of HAPs from the premises during any consecutive 12 month period to be equal to or exceed the following: [Permit No. 178-0129]

(A) For any single HAP: 8 tons;

(B) For any combination of HAPs: 20 tons.

ii. Emission units operating under New Source Review permits: Any emission units operating under a New Source Review permit shall comply with the requirements of the most recent issued permit for that emission unit. [Permit No. 178-0129]

iii. Emission units operating under RCSA §22a-174-3b: Any emission unit operating under RCSA §22a-174-3b shall comply with the requirements prescribed in this Regulation that are applicable to the emission unit. [Permit No. 178-0129]

iv. The Permittee shall calculate actual emissions using data from the following sources. The source used shall be selected in the following order, based on availability: [Permit No. 178-0129]

(A) CEM,

(B) Data supplied by the manufacturer of the emission unit

(C) Material balance,

(D) Compilation of Air Pollutant Emission Factors (AP-42),

(E) AIRS Facility Subsystem Emission, or

(F) The Emission Inventory Improvement Program (EIIP).

b. Monitoring Requirements

i. The Permittee shall monitor emissions from sources of HAPs by use of record keeping in accordance with Section III.I.9.c of this Title V permit. [Permit No. 178-0129]

ii. The Permittee shall monitor fuel consumption or hours of operation from fuel burning equipment as follows: [Permit No. 178-0129]

(A) Fuel consumption through a dedicated non-resettable fuel flow meter or a common billing meter,

(B) Hours of operation through a dedicated non-resettable hour meter.

c. Record Keeping Requirements

i. The Permittee shall make and keep records of HAPs actual emissions from each emission unit at the premises. Such records shall include the following: [Permit No. 178-0129]

(A) A description of the emission unit,

(B) Maximum rated capacity, if applicable,

(C) Installation and removal date of emission unit (or estimation if unknown),

(D) A log for each emission unit that shall include, as applicable:

(1) Identification of the fuel(s), solvents, coatings, raw materials, or other such materials used,

(2) The total amount of fuels, solvents, coatings, raw materials, or other such materials used,

(3) Hours of operation during each month, as necessary, to calculate emissions,

(4) Emission factors used for emission calculations and source of such factor,

(5) All purchase order, invoices, Material Safety Data Sheets, test results or other documents necessary to verify information and calculations in the monthly log, and

(6) Calculations of actual emissions.

ii. The Permittee shall make and keep records of the monthly and consecutive 12 month HAPs actual emissions for the premises. The consecutive 12 month HAP emissions shall be determined by adding the current month's HAPs emissions to that of the previous 11 months. [Permit No. 178-0129]

iii. The Permittee shall keep all records required by Section III.I.9.c of this Title V permit for a period of no less than five years and shall submit such records to the commissioner upon request. [Permit No. 178-0129]

d. Reporting Requirements

i. The Permittee shall notify the commissioner in writing of any exceedance of HAP emission limitation. The Permittee shall identify the cause or likely cause of such exceedance, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows: [Permit No. 178-0129]

(A) For any HAP, no later than 24 hours after such exceedance commenced.

J. GROUPED EMISSIONS UNIT 3 (GEU-3) - Cold cleaners not subject to RCSA §22a-174-3a but subject to RCSA §22a-174-20(l)(3)

1. Vapor Pressure

a. Limitation or Restriction

i. The Permittee of a cold cleaning unit with an internal volume greater than one liter and using solvents containing greater than 5% VOCs by weight shall meet the following requirements: [RCSA §22a-174-20(l)(3)(A) through (L)]

(A) Equip the cleaning device with a cover that is easily operated by hand.

(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 draining rack or equipment may be external for applications where an internal type cannot fit into the cleaning system.

(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 container.

(D) Close the cover if parts not being handled in the cleaner for two minutes or more, or if the device is not in use.

(E) Drain the cleaned parts for at least 15 seconds or until dripping ceases, whichever is longer.

(F) If a degreasing solvent spray is used:

(1) Supply a degreasing solvent spray that is a solid fluid stream (not a fine, atomized or shower type spray)

(2) Maintain a solvent spray pressure that does not exceed 10 pounds per square inch as measured at the pump outlet, and

(3) Perform spraying within the confines of the cold cleaning unit.

(G) 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.

(H) Do not operate the unit upon 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.

(I) Provide a permanent, conspicuous label on or posted near each unit summarizing the applicable operating requirements.

(J) Use only solvent that has a vapor pressure less than or equal to 1.0 mmHg at 20 degrees Celsius.

(K) Do not clean sponges, fabric, wood, leather, paper and other absorbent material in a cold cleaning machine.

b. Monitoring and Testing Requirements

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

c. Record Keeping Requirements

i. The Permittee shall make and keep the following records for a minimum of five years; commencing on the date such records were created and shall submit such records to the commissioner upon request: [RCSA §§22a-174-20(l)(3)(J), 22a-174-33(j)(1)(K)]:

(A) Type of solvent used, including a description of the solvent and the solvent name;

(B) The vapor pressure of the solvent in mmHg measured at 20 ^{o}C (68 ^{o}F);

(C) The percent VOC content by weight; and

(D) The amount of solvent added to each unit on a monthly basis.

d. Reporting Requirements

i. 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)]

K. GROUPED EMISSIONS UNIT 4 (GEU-4: EU-17, EU-18, EU-19 through EU-22)

EU-17: Dyescan Surface Coating Operations
EU-18: Blade Shop No. 1 Painting Operation
EU-19: Small parts paint spray booth
EU-20: Finishes Cell No. 1
EU-21: Finishes Cell No. 2
EU-22: Finishes Cell No. 3

- EU-19 through EU-22 operate under Permit No. 178-0035
- EU-17 operates under Permit No. 178-0128
- EU-18 operates under Permit No. 178-0078
- Each emission unit in GEU-4 is subject to RCSA §22a-174-20(s) and 40 CFR Part 63 Subpart HHHHHH – National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operation at Area Sources.

1. Operational Conditions, VOC and PM

a. Limitation or Restriction

i. Equipment – Operational Conditions

(A) The Permittee shall use HVLP spray guns, or application methods allowed in RCSA §22a-174-20(s)(4) and 40 CFR Part 63 Subpart HHHHHH – National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources. [Permit Nos. 178-0035, 178-0078 and 178-0128]

(B) The Permittee shall clean the spray equipment using methods allowed in RCSA §22a-174-20(jj) and 40 CFR Part 63 Subpart HHHHHH - National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources. [Permit Nos. 178-0035, 178-0078 and 178-0128]

ii. Coatings – Operational Conditions

(A) The Permittee shall comply with the applicable requirements of RCSA §§22a-174-20(s)(3), (s)(7), and Tables 20(s)-6a and 6b. [Permit Nos. 178-0035, 178-0078 and 178-0128]

(B) The Permittee shall demonstrate compliance with the VOC content limits in Tables 20(s)-6a and 6b by using the methods specified in RCSA §22a-174-20(s)(9). [Permit Nos. 178-0035, 178-0078 and 178-0128]

(C) The Permittee may use, in the aggregate, in any 12 consecutive months no more than 55 gallons of miscellaneous metal or plastic parts coating or coatings that exceed the VOC content limits or emission limits of RCSA §22a-174-20(s). The 55 gallons of miscellaneous metal or plastic parts coatings are for all coating operations at the premises combined. [Permit Nos. 178-0035, 178-0078 and 178-0128]

iii. Spray Gun Cleaning – Operational Conditions

(A) The Permittee shall clean spray application equipment in accordance with the requirements of RCSA §22a-174-20(jj)(4). [Permit Nos. 178-0035, 178-0078 and 178-0128]

(B) The Permittee shall comply with the work practices in RCSA §22a-174-20(jj)(5). [Permit Nos. 178-0035, 178-0078 and 178-0128]

(C) The requirements of RCSA §22a-174-20(jj) shall not apply to cleaning of spray application equipment necessary to meet a standard or specification of the United States Department of Defense. [Permit Nos. 178-0035, 178-0078 and 178-0128]

iv. Paint Stripping – Operational Conditions

(A) The Permittee shall comply with the applicable requirements of 40 CFR Part 63 Subpart HHHHHH – National Emissions Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources. [Permit Nos. 178-0035, 178-0078 and 178-0128]

v. The Permittee shall not cause or allow this equipment to exceed the emission limits stated herein at any time.

(A) EU-19 through EU-22, combined: [Permit No. 178-0035]

(1) PM: 1,000 lb/month and 5 TPY

(2) VOC: 5,000 lb/month and 24.9 TPY

(B) EU-18: [Permit No. 178-0078]

(1) PM: 10 lb/month and 0.03 TPY

(2) VOC: 1,400 lb/month and 6.07 TPY

(C) EU-17: [Permit No. 178-0128]

(1) PM: 40 lb/month and 0.10 TPY

(2) VOC: 5,000 lb/month and 14.9 TPY

vi. Demonstration of compliance with VOC and PM emission limits in Section III.K.1.a.v.(A) of this Title V permit shall be met by calculating the emission rates using emission factors from the following sources: [Permit Nos. 178-0035]

(A) VOC: emissions shall be calculated by material balance using information from the MSDS.

(B) PM: emissions shall be calculated by material balance using information from the MSDS, a 65% transfer efficiency and a minimum of 90% control efficiency from the water wash system.

vii. Demonstration of compliance with VOC and PM emission limits in Section III.K.1.a.v.(B) of this Title V permit shall be met by calculating the emission rates using emission factors from the following sources: [Permit No. 178-0078; RCSA §22a-174-33(j)(1)(K)(ii)]

(A) VOC: emissions shall be calculated by material balance using information from the MSDS.

(B) PM: emissions shall be calculated by material balance using information from the MSDS, a 65% transfer efficiency and a minimum of 99.9% control efficiency from the dry filter.

viii. Demonstration of compliance with VOC and PM emission limits in Section III.K.1.a.v.(C) of this Title V permit shall be met by calculating the emission rates using emission factors from the following sources: [Permit No. 178-0128]

(A) VOC: emissions shall be calculated by material balance using information from the MSDS.

(B) PM: emissions shall be calculated by material balance using information from the MSDS, a 65% transfer efficiency and a minimum of 99% control efficiency from the three stage panel exhaust filters.

ix. The commissioner may require other means (e.g. stack testing) to demonstrate compliance with the above emission limits, as allowed by state or federal statute, law or regulation. [Permit Nos. 178-0035, 178-0078, and 178-0128]

x. The Permittee shall comply with all written recommendations set forth by the manufacturer(s) for maintaining and operating the spray gun, spray booth, and water wash system in order to achieve their guaranteed transfer and capture efficiencies. [Permit Nos. 178-0035, 178-0078 and 178-0128]

xi. The Permittee shall properly operate the control equipment at all times that this equipment is in operation and emitting pollutants. [Permit Nos. 178-0035, 178-0078 and 178-0128]

b. Monitoring and Testing Requirements

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

c. Record Keeping Requirements

i. The Permittee shall maintain records of information sufficient to determine compliance with the applicable requirements of RCSA §22a-174-20(s), including at a minimum, the following information for each calendar month: [Permit Nos. 178-0035, 178-0078 and 178-0128]

(A) Name and description of each coating and cleaning solvent;

(B) VOC content of each coating and diluent, as applied, and the associated calculations;

(C) VOC content of each coating or cleaning solvent, as supplied;

(D) The amount of each coating and cleaning solvent; purchased or used;

(E) An MSDS sheet, Environmental Data Sheet, Certified Product Data Sheet, or an equivalent Data Sheet for each coating and cleaning solvent;

(F) Documentation of control device efficiency and capture efficiency, using an applicable EPA reference method or alternate method as approved by the commissioner and the administrator; and

(G) Date and type of maintenance performed on air pollution control equipment.

ii. The Permittee shall calculate and record the monthly and consecutive 12 month VOC and PM emissions in units of tons. The consecutive 12 month VOC and PM emissions shall be determined by adding (for each pollutant) the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [Permit Nos. 178-0035, 178-0078 and 178-0128]

iii. The Permittee shall keep records of use of non-compliant coatings to show compliance with the limits in Section III.K.1.a.ii.(C) of this Title V permit. [Permit Nos. 178-0035, 178-0078 and 178-0128]

iv. The Permittee shall keep all records required for a period of no less than five years and shall submit such records to the commissioner upon request. [Permit Nos. 178-0035, 178-0078 and 178-0128]

d. Reporting Requirements

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

2. RCSA §22a-174-20(s) – Control of Organic Compound Emissions

The Permittee shall comply with the requirements of Section III.M of this Title V permit.

3. 40 CFR Part 63 Subpart HHHHHH – Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources

The Permittee shall comply with the requirements of Section III. N of this Title V permit.

L. GROUPED EMISSIONS UNIT 9: GEU-9: EU-12, EU-23
EU-12: Paint Spray Booth Blade Prime (Bond)
EU-23: Paint Spray Booth VH Parts No. 4

- Each emission unit in GEU-9 operate under RCSA §§22a-174-3b(g) and 22a-174-20(s) and are subject to 40 CFR Part 63 Subpart HHHHHH – Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources.

1. Exemption from Permitting for Construction and Operation of Spray Booths [STATE ONLY REQUIREMENTS]

a. Limitation or Restriction

i. The VOC content of any coating used shall not exceed 6.3 pounds per gallon, as applied. [RCSA §22a-174-3b(g)(1)(A)]

ii. The hazardous air pollutant content of any coating used shall not exceed 6.3 pounds per gallon, as applied. [RCSA §22a-174-3b(g)(1)(B)]

iii. Coating and solvent usage, including diluents and cleanup solvents but excluding water, shall not, in any 12 month rolling aggregate, exceed 3,000 gallons. [RCSA §22a-174-3b(g)(1)(C)]

b. Monitoring and Testing Requirements

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

c. Record Keeping Requirements

i. The Permittee shall make and maintain records of the following information: [RCSA §22a-174-3b(g)(3)]

(A) Records of the type and quantity of coating and solvent used, in gallons, for each month and each 12 month rolling aggregate; and

(B) Records of the hazardous air pollutant and VOC content per gallon of each coating and solvent used, as applied.

ii. The Permittee shall make the records available to the commissioner to inspect and copy upon request. [RCSA §22a-174-3b(g)(2)(A)]

iii. The Permittee shall maintain records for five years from the date such record is created. [RCSA §22a-174-3b(g)(2)(B)]

d. Reporting Requirements

i. The Permittee shall provide records, or a copy thereof, to the commissioner upon request and shall make such records available to the commissioner to inspect at the location maintained. [RCSA §22a-174-3b(i)(1)]

2. RCSA §22a-174-20(s) – Control of Organic Compound Emissions

The Permittee shall comply with the requirements of Section III.M of this Title V permit.

3. 40 CFR Part 63 Subpart HHHHHH – Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources

The Permittee shall comply with the requirements of Section III. N of this Title V permit.

M. RCSA §22a-174-20(s): Miscellaneous Metal and Plastic Parts Coatings - The following Emissions Units are subject to RCSA §22a-174-20(s):

EU-11: Special Prime Paint Booth
EU-12: Paint Spray Booth Blade Prime (Bond) – (RCSA §22a-174-3b)
EU-17: Dyescan Booth – (Permit No. 178-0128)
EU-18: Blades Spray Booth – (Permit No. 178-0078)
EU-19: Small Parts Paint Spray Booth – (Permit No. 178-0035)
EU-20: Paint Spray Booth Finishes Cell No. 1 – (Permit No. 178-0035)
EU-21: Paint Spray Booth Finishes Cell No. 2 – (Permit No. 178-0035)
EU-22: Paint Spray Booth Finishes Cell No. 3 – (Permit No. 178-0035)
EU-23: Paint Spray Booth VH Parts No. 4 – (RCSA §22a-174-3b)

1. VOC

a. Limitation or Restriction

i. Except as provided in RCSA §22a-174-20(s)(7), the Permittee shall not apply any coating, inclusive of any VOC-containing material added to the original coating supplied by the manufacturer, unless the Permittee controls VOC in accordance with RCSA §22a-174-20(s)(3)(A), (B), (C), or (D). If more than one emission limit or emission rate applies in a particular situation, then the least restrictive limit or emission rate applies in a particular situation, then the least restrictive limit or emission rate shall apply. The Permittee shall control the emissions of VOC as follows: [RCSA §22a-174-20(s)(3)(A) through (D)]

(A) Use only coatings that have as an applied VOC content no greater than the applicable levels in RCSA §22a-174-20, Table 20(s)-6a or 20(s)-6b;

(B) For a coating unit, use a combination of low-VOC coatings and add-on-pollution control equipment to achieve a VOC emission rate not greater than the applicable level in Table 20(s)-7, 20(s)-8, 20(s)-9, or 20(s)-10;

(C) Install, operate and maintain according to the manufacturer's recommendations air pollution control equipment with an overall control efficiency of at least 90%; or

(D) Achieve a level of control that is equivalent to RCSA §22a-174-20(s)(3)(A), (B), and (C), as requested from and approved by the commissioner, in accordance with RCSA §22a-174-20(cc).

ii. The Permittee shall use the following work practices: [RCSA §§22a-174-20(s)(5)]

(A) New and used VOC-containing coating, diluent or cleaning solvent, including a coating mixed on the premises, shall be stored in a non-absorbent, non-leaking container. Such a container shall be kept closed at all times except when the container is being filled, emptied or is otherwise actively in use. [RCSA §22a-174-20(s)(5)(A)]

(B) Spills and leaks of VOC-containing, diluent or cleaning solvent shall be minimized. Any leaked or spilled VOC-containing coating; diluent or cleaning solvent shall be absorbed and removed immediately. [RCSA §22a-174-20(s)(5)(B)]

(C) Absorbent applicators, such as cloth and paper, which are moistened with a VOC-containing coating or solvent, shall be stored in a closed, nonabsorbent, non-leaking container for disposal or recycling. [RCSA §22a-174-20(s)(5)(C)]

(D) VOC-containing coating, diluent and cleaning solvent shall be conveyed from one location to another in a closed container or pipe. [RCSA §22a-174-20(s)(5)(D)]

b. Monitoring and Testing Requirements

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

c. Record Keeping Requirements

i. The Permittee operating pursuant to an exemption or exception set out in RCSA §22a-174-20(s)(7) shall maintain records sufficient to verify the applicability of the exemption or exception. [RCSA §22a-174-20(s)(7)]

ii. The Permittee shall maintain records of information sufficient to determine compliance with the applicable requirements, including at a minimum, the following information for each calendar month: [RCSA §22a-174-20(s)(8)(A)]

(A) Name and description of each coating and cleaning solvent;

(B) VOC content of each coating and diluent, as applied, and the associated calculations;

(C) VOC content of each coating or cleaning solvent, as supplied;

(D) The amount of each coating and cleaning solvent; purchased or used;

(E) A Material Safety Data Sheet, Environmental Data Sheet, certified Product Data Sheet, or an equivalent data sheet for each coating and cleaning solvent;

(F) Documentation of control device efficiency and capture efficiency, if applicable, using an applicable EPA reference method or alternate method as approved by the commissioner and the Administrator; and

(G) Date and type of maintenance performed on air pollution control equipment, if applicable.

iii. All records shall be made available to the commissioner to inspect and copy upon request and maintained for five years from the date such record is created. [RCSA §§22a-174-20(s)(8)(B)(i) and (ii)]

d. Reporting Requirements

i. 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)]

N. 40 CFR Part 63 Subpart HHHHHH - National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operation at Area Sources- The following Emissions Units are subject to 40 CFR Part 63 Subpart HHHHHH:

EU-11: Special Prime Paint Booth
EU-12: Paint Spray Booth Blade Prime (Bond) **-** (RCSA §22a-174-3b)
EU-17: Dyescan Booth – (Permit No. 178-0128)
EU-18: Blades Spray Booth – (Permit No. 178-0078)
EU-19: Small Parts Paint Spray Booth – (Permit No. 178-0035)
EU-20: Paint Spray Booth Finishes Cell No. 1 – (Permit No. 178-0035)
EU-21: Paint Spray Booth Finishes Cell No. 2 – (Permit No. 178-0035)
EU-22: Paint Spray Booth Finishes Cell No. 3 – (Permit No. 178-0035)
EU-23: Paint Spray Booth VH Parts No. 4 – (RCSA §22a-174-3b)
GEU-12: Paint Stripping Operations

a. Limitation or Restriction

i. Each stripping operation that is an affected area source must implement management practices to minimize the evaporative emissions of MeCl. The management practices must address, at a minimum, the practices of 40 CFR §63.11173(a)(1) through (5), as applicable, for your operations. [40 CFR §63.11173(a)(1) through (5)]

ii. Each paint stripping operation that has an annual usage of more than one ton of MeCl must develop and implement a written MeCl minimization plan to minimize the use and emissions of MeCl. The MeCl minimization plan must address, at a minimum, the management practices specified in 40 CFR Part 63 §63.11173(a)(1) through (5), as applicable, for your operations. Each operation must post a placard or sign outlining the MeCl minimization plan in each area where paint stripping operations subject to Subpart HHHHHH occur. Paint stripping operations with annual usage of less than one ton of MeCl, must comply with the requirements of 40 CFR §63.11173(a)(1) through (5), as applicable, but are not required to develop and implement a written MeCl minimization plan.
[40 CFR §63.11173(b)]

iii. Each paint stripping operation must maintain copies of annual usage of paint strippers containing MeCl on site at all times. [40 CFR §63.11173(c)]

iv. Each paint stripping operation with annual usage of more than one ton of MeCl must maintain a copy of their current MeCl minimization plan on site at all times. [40 CFR §63.11173(d)]

v. Each motor vehicle and mobile equipment surface coating operation and each miscellaneous surface coating operation must meet the requirements in 40 CFR §63.11173(e)(1) through (e)(5). [40 CFR §63.11173(e)]

vi. The Permittee of an affected miscellaneous surface coating source must ensure and certify that all new and existing personnel, including contract personnel, who spray apply surface coatings, as define in 40 CFR §63.11180, are trained in proper application of surface coatings as required by 40 CFR §63.11173(e)(1). The Training program must include, at a minimum, the items listed in 40 CFR §63.11173(f)(1) through (f)(3). [40 CFR §63.11173(f)]

vii. As required by 40 CFR §63.11173(e)(1), all new and existing personnel at an affected motor vehicle and mobile equipment or miscellaneous surface coating source, including contract personnel, who spray apply surface coatings as defined in 40 CFR §63.11180, must be trained by the dates specified in 40 CFR §63.11173(g)(1) and (2). Employees who transfer within a company to a position as a painter as subject to the same requirements as a new hire. [40 CFR §63.11173(g)]

viii. The Permittee must be in compliance with the requirements in 40 CFR Part 63 Subpart HHHHHH at all times. At all times, the Permittee must 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 applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements 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 §63.11173(h)]

ix. The Permittee shall comply with the applicable requirements of the General Provisions in 40 CFR Part 60 Subpart A. [40 CFR §63.11174(a)]

b. Monitoring and Testing Requirements

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

c. Record Keeping Requirements

i. The Permittee shall keep records of a surface coating operation and paint stripping operation as follows: [40 CFR §63.11177]

(A) Surface Coating Operation: records specified in 40 CFR §63.11177(a) through (d) and (g)

(B) Paint stripping operation: records specified in 40 CFR §63.11177(e) through (g), as applicable.

ii. The Permittee must maintain copies of the records for a period of at least five years after the date of each record. Copies of the records must be kept on site and in a printed or electronic form that is readily accessible for inspection for at least the first two years after their date and may be kept off-site after that two year period. [40 CFR §63.11178]

iii. The Permittee shall maintain records of any assessments of source compliance performed in support of the initial notification, notification of compliance status, or annual notification of changes report required in Section III.N.*d* of this Title V permit. [40 CFR §63.11177(h)]

d. Reporting Requirements

i. The Permittee must submit the initial notification no later than 120 days after the source becomes subject to 40 CFR Part 63 Subpart HHHHHH. The initial notification must provide the information specified in 40 CFR §63.11175(a)(1) through (8). [40 CFR §63.11175(a)]

ii. If the Permittee of any existing source did not certify in the initial notification that the source is already in compliance as specified in 40 CFR §63.11175(a), then a notification of compliance status must be submitted. The Permittee is required to submit the information specified in 40 CFR §63.11175(b)(1) through (4) with the Notification of Compliance Status. [40 CFR §63.11175(b)]

iii. The Permittee shall submit the initial notifications and notification of compliance status in accordance with 40 CFR §63.11175(c). [40 CFR §63.11175(c)]

iv. *Annual notification of changes report.* The Permittee of a paint stripping, motor vehicle or mobile equipment, or miscellaneous surface coating affected source, is required to submit a report in each calendar year in which information previously submitted in either the initial notification required by 40 CFR §63.11175(a), Notification of Compliance, or a previous annual notification of changes report submitted under 40 CFR §63.11176, has changed. Deviations from the relevant requirements in 40 CFR §63.11173(a) through (d) or 40 CFR §63.11173(e) through (g) on the date of the report will be deemed to be a change. This includes notification when paint stripping affected sources that have not developed and implemented a written MeCl minimization plan in accordance with 40 CFR §63.11173(b) used more than one ton of MeCl in the previous calendar year. The annual notification of changes report must be submitted prior to March 1 of each calendar year when reportable changes have occurred and must include the information specified in 40 CFR §63.11176(a)(1) and (a)(2). [40 CFR §63.11176(a)]

v. The Permittee of a paint stripping affected source that has not developed and implemented a written MeCl minimization plan in accordance with 40 CFR §63.11173(b), must submit a report for any calendar year in which more than one ton of MeCl was used. The report must be submitted no later than March 1 of the following calendar year. The Permittee must also develop and implement a written MeCl minimization plan in accordance with 40 CFR §63.11173(b) no later than December 31. You must then submit a Notification of Compliance Status report containing the information specified in 40 CFR §63.11175(b) by March 1 of the following year and comply with the requirements for paint stripping operations that annually use more than one ton of MeCl in 40 CFR §§63.11173(d) and 63.11177(f). [63.11176(b)]

vi. The Permittee shall submit the Annual Notification of Changes Report required in 40 CFR §63.11176(a) and the MeCl report required in 40 CFR §63.11176(b) to the EPA via CEDRI. The Permittee must upload to CEDRI an electronic copy of each applicable report in PDF. The applicable report must be submitted by the deadline specified in 40 CFR Part 63 Subpart HHHHHH, regardless of the method in which the reports are submitted. If the Permittee claims that some of the information required to be submitted via CEDRI is CBI a complete report must be submitted, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage medium to the EPA. The electronic medium shall be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Paint Stripping and Miscellaneous Surface Coating Operations Sector Lead, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same file with the CBI omitted shall be submitted to the EPA via the EPA's CDX as described in 40 CFR §63.11176(c). [40 CFR §63.11176(c)]

vii. If the Permittee is required to electronically submit a report through the CEDRI in the EPA's CDX, and due to a planned or actual outage of either the EPA's CEDRI or CDX systems within the period of time beginning 5 business days prior to the date that the submission is due, the Permittee will be or are precluded from accessing CEDRI or CDX and submitting a required report within the time prescribed, the Permittee may assert a claim of EPA system outage for failure to timely comply with the reporting requirement. The Permittee must submit notification to the Administrator in writing as soon as possible in accordance with 40 CFR §63.11176(d). [40 CFR §63.11176(d)]

viii. If the Permittee is required to electronically submit a report through CEDRI in the EPA's CDX and a *force majeure* event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning 5 business days prior to the date the submission is due, the Permittee may assert a claim of *force majeure* for failure to timely comply with the reporting requirement in accordance with 40 CFR §63.11176(e). [40 CFR §63.11176(e)]

O. GROUPED EMISSIONS UNIT 5 (GEU-5) - Hand Wiping Operations

1. Operational Conditions

- GEU-5 complies with the requirements of RCSA §22a-174-20(ii) by using spray gun cleaning methods in accordance with the requirements of 40 CFR §63.744 as specified in RCSA §22a-174-20(ii)(3)(A)(iii).

a. Limitation or Restriction

i. The Permittee shall use cleaning solvents in accordance with the requirements of 40 CFR §63.744, inclusive of exemptions. [RCSA §22a-174-20(ii)(3)(A)(iv)]

ii. The Permittee of a hand-wipe cleaning operation (excluding cleaning of spray gun equipment performed in accordance with 40 CFR §63.744(c)) shall use cleaning solvents that meet one of the requirements specified in 40 CFR §63.744(b)((1), (b)(2) and (b)(3). Cleaning solvent solutions that contain HAP and VOC below the de minimis levels specified in 40 CFR §63.741(f) are exempt from the requirements in 40 CFR §§63.744(b)(1), (b)(2) and (b)(3). [40 CFR §63.744(b)]

iii. Compliance with the hand-wipe cleaning solvent approved composition list specified in 40 CFR §63.744(b)(1) for hand-wipe cleaning solvents shall be demonstrated using data supplied by the manufacturer of the cleaning solvent. The data shall identify all components of the cleaning solvent and shall demonstrate that one of the approved composition definitions is met. [40 CFR §63.750(a)]

b. Monitoring and Testing Requirements

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

c. Record Keeping Requirements

i. The Permittee shall record the following information: [40 CFR §§63.752(b)(1) through (4)]

(A) The name, vapor pressure, and documentation showing the organic HAP constituents of each cleaning solvent used for affected cleaning operations at the facility.

(B) For each cleaning solvent used in hand-wipe cleaning operations that complies with the composition requirements specified in 40 CFR §63.744(b)(1) or for semi-aqueous cleaning solvents used for flush cleaning operations:

(1) The name of each cleaning solvent used;

(2) All data and calculations that demonstrate that the cleaning solvent complies with one of the composition requirements; and

(3) Annual records of the volume of each solvent used, as determined from facility purchase records or usage records.

(C) For each cleaning solvent used in hand-wipe cleaning operations that does not comply with the composition requirements in 40 CFR §63.744(b)(1), but does comply with the vapor pressure requirement in 40 CFR §63.744(b)(2):

(1) The name of each cleaning solvent used;

(2) The composite vapor pressure of each cleaning solvent used;

(3) All vapor pressure test results, if appropriate, data, and calculations used to determine the composite vapor pressure of each cleaning solvent; and

(4) The amount (in gallons) of each cleaning solvent used each month at each operation.

(D) For each cleaning solvent used for the exempt hand-wipe cleaning operations specified in 40 CFR §63.744(e) that does not conform to the vapor pressure or composition requirements of 40 CFR §63.744(b):

(1) The identity and amount (in gallons) of each cleaning solvent used each month at each operation; and

(2) A list of the processes set forth in 40 CFR §63.744(e) to which the cleaning operation applies.

ii. The Permittee shall keep all records required for a period of no less than five years and shall submit such records to the commissioner upon request. [RCSA §22a-174-33(j)(1)(K)]

d. Reporting Requirements

i. 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 date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(K)]

P. GROUPED EMISSIONS UNIT 6 (GEU-6) - Spray Gun Cleaning Operations

- GEU-6 complies with the requirements of RCSA §22a-174-20(jj) by using spray gun cleaning methods in accordance with the requirements of 40 CFR §63.744, as specified in RCSA §22a-174-20(jj)(3)(A)(iii).

1. Operational Conditions

a. Limitation or Restriction

i. The Permittee shall use cleaning solvents in accordance with the requirements of 40 CFR §63.744, inclusive of exemptions. [RCSA §22a-174-20(jj)(3)(A)(iii)]

ii. The Permittee shall use one or more of the following spray gun cleaning techniques, or the equivalent: [40 CFR §§63.744(c)(1) through (4)]

(A) Enclosed system: Clean the spray gun in an enclosed system that is closed at all times except when inserting or removing the spray gun. Cleaning shall consist of forcing solvent through the gun. If leaks are found during the monthly inspection required in 40 CFR §63.751(a), repairs shall be made as soon as practicable, but no later than 15 days after the leak was found. If the leak is not repaired by the 15th day after detection, the cleaning solvent shall be removed, and the enclosed cleaner shall be shut down until the leak is repaired or its use is permanently discontinued.

(B) Nonatomized cleaning: clean the spray gun by placing cleaning solvent in the pressure pot and forcing it through the gun with the atomizing cap in place. No atomizing air is to be used. Direct the cleaning solvent from the spray gun into a vat, drum, or other waste container that is closed when not in use.

(C) Disassembled spray gun cleaning: disassemble the spray gun and clean the components by hand in a vat, which shall remain closed at all times except when in use. Alternatively, soak the components in a vat, which shall remain closed during the soaking period and when not inserting or removing components.

(D) Atomizing cleaning: Clean the spray gun by forcing the cleaning solvent through the gun and direct the resulting atomized spray into a waste container that is fitted with a device designed to capture the atomized cleaning solvent emissions.

(E) Spray gun cleaning operations using cleaning solvent solutions that contain HAP and VOC below the de minimis levels specified in 40 CFR §63.741(f) are exempt from the requirements in 40 CFR §§63.744(c)(1) through (c)(4). [40 CFR §§63.744(c)]

b. Monitoring and Testing Requirements

i. Enclosed spray gun cleaners: The Permittee using an enclosed spray gun cleaner under 40 CFR §63.744(c)(1) shall visually inspect the seals and all other potential sources of leaks associated with each enclosed gun spray cleaner system at least once per month. Each inspection shall occur while the system is in operation. [40 CFR §63.751(a)]

c. Record Keeping Requirements

i. The Permittee shall keep a record of all leaks from enclosed spray gun cleaners identified in Section III.M.1.b of this Title V permit and include, for each leak found, the following information: [40 CFR §63.752(b)(5)]

(A) Source identification;

(B) Date leak was discovered; and

(C) Date leak was repaired.

ii. The Permittee shall make and keep records of spray gun cleaning which includes the date cleaning was conducted and the spray gun cleaning method used. [RCSA §22a-174-33(j)(1)(K)]

iii. The Permittee shall keep all records required for a period of no less than five years and shall submit such records to the commissioner upon request. [RCSA §22a-174-33(j)(1)(K)]

d. Reporting Requirements

i. 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 date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

Q. EMISSIONS UNIT 35 (EU-35) – Unleaded Gasoline Tank

- EU-35 is subject to the requirements of RCSA §22a-174-20(a) and it operates under the requirements of 40 CFR Part 63 Subpart CCCCCC: National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities.

1. VOC

a. Limitation or Restriction

i. The Permittee shall not place, store or hold in any stationary storage vessel of more than 250 gallon (950 liter) capacity any VOC with a vapor pressure of 0.75 pounds per square inch or greater under standard conditions unless vessel is equipped with a permanent fill pipe or is a pressure tank as described in RCSA §22a-174-20(a)(2)(A). Submerged fill pipes shall have a discharge point no more than 18 inches from the bottom of the storage tank or be compliant with the requirements of 40 CFR Part 63 Subpart CCCCCC. [RCSA§22a-174-20(a)(5)]

ii. The external surfaces of any storage tank containing VOCs with a vapor pressure of 0.75 pounds per square inch or greater under standard conditions that has a maximum capacity of 2,000 gallons (7,570 liters) or greater and is exposed to the rays of the sun shall be either mill-finished aluminum or painted and maintained white upon the next painting of the tank. The requirement to use mill-finished aluminum or white paint shall not apply to words and logograms applied to the external surface of the storage tank for purposes of identification provided such symbols do not cover more than 20 percent of the external surface area of the tank's sides and top or more than 200 square feet (18.6 square meters), whichever is less. [RCSA §22a-174-20(a)(7)]

b. Monitoring and Testing Requirements

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

c. Record Keeping Requirements

i. The Permittee shall maintain records, make them available to the commissioner to inspect and copy upon request, and maintain them for five years from the date such records is created. [RCSA §§22a-174-20(a)(10)(A)(i) and (ii)]

ii. The Permittee shall keep documentation of control device efficiency and capture efficiency, if applicable, using an applicable EPA reference method or alternate method as approved by the commissioner and the Administrator. [RCSA §22a-174-20(a)(10)(B)(ii)]

iii. The Permittee shall make and keep records of the date and type of maintenance performed on air pollution control equipment, if applicable. [RCSA §22a-174-20(a)(10)(B)(iii)]

d. Reporting Requirements

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

2. 40 CFR Part 63 Subpart CCCCCC – National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities

Horizontal above ground gasoline storage tank with a monthly throughput of less than 10,000 gallons of gasoline and with a vapor pressure greater than 0.75 PSI.

a. Limitation or Restriction

i. The Permittee must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [40 CFR §63.11115(a)]

ii. The Permittee must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following: [40 CFR §§63.11116(a)(1) through (4)]

(A) Minimize gasoline spills;

(B) Clean up spills as expeditiously as practicable;

(C) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;

(D) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

iii. The Permittee must have records available within 24 hours of a request by the Administrator to document your gasoline throughput. [40 CFR §63.11116(b)]

b. Monitoring and Testing Requirements

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

c. Record Keeping Requirements

i. The Permittee shall keep records as follows: [40 CFR §§63.11125(d)(1) and (2)]

(A) Records of the occurrence and duration of each malfunction of operation (i.e. process equipment) or the air pollution control and monitoring system.

(B) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR §63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

ii. The Permittee shall keep all records required for a period of no less than five years and shall submit such records to the commissioner upon request. [RCSA §22a-174-33(j)(1)(K)]

d. Reporting Requirements

i. The Permittee is not required to submit notifications or reports as specified in 40 CFR §§63.11125, 63.11126, or Subpart A, but the Permittee must have records available within 24 hours of a request by the Administrator to document the gasoline throughput. [40 CFR §63.11116(b)]

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

R. Grouped Emissions Unit 11 (GEU-11) Non-electrolytic Metal Processing Tanks Containing Chromium Compounds

- EU-36: Tank B21 (Alodine 600)
  ~52 gallons
  Constructed: early 1990s
- EU-37: Tank B15 (Alodine 1200)
  ~3,250 gallons
  Constructed: early 1980s
- EU -38: Tank C28 (Post Cadmium Plate)
  480 gallons
  Constructed: early 1980's
  Reconstructed: 2025/2026
- GEU-11 is not subject to RCSA §22a-174-3a.
- GEU-11 operates under the requirements of 40 CFR Part 63 Subpart WWWWWW – National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations

a. Limitation or Restriction

i. The Permittee must implement the following management practices, as practicable: [40 CFR §§63.11507(g)(1) through (12)]

(A) Minimize bath agitation when removing any parts processed in the tank, as practicable except when necessary to meet part quality requirements.

(B) Maximize the draining of bath solution back into the tank, as practicable, by extending drip time when removing parts from the tank; using drain boards (also known as drip shields); or withdrawing parts slowly from the tank, as practicable.

(C) Optimize the design of barrels, racks, and parts to minimize dragout of bath solution (such as by using slotted barrels and tilted racks, or by designing parts with flow-through holes to allow the tank solution to drip back into the tank), as practicable.

(D) Use tank covers, if already owned and available at the facility, whenever practicable.

(E) Minimize or reduce heating of process tanks, as practicable (e.g., when doing so would not interrupt production or adversely affect part quality).

(F) Perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment associated with affected sources, as practicable.

(G) Minimize bath contamination, such as through the prevention or quick recovery of dropped parts, use of distilled/de-ionized water, water filtration, pre-cleaning of parts to be plated, and thorough

rinsing of pre-treated parts to be plated, as practicable.

(H) Maintain quality control of chemicals, and chemical and other bath ingredient concentrations in the tanks, as practicable.

(I) Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and periodic washdowns, as practicable.

(J) Minimize spills and overflow of tanks, as practicable.

(K) Use squeegee rolls in continuous or reel-to-reel plating tanks, as practicable.

(L) Perform regular inspections to identify leaks and other opportunities for pollution prevention.

ii. The Permittee must be in compliance with the applicable management practices and equipment standards in 40 CFR Part 63 Subpart WWWWWW, as applicable, at all times. [40 CFR §63.11508(b)]

iii. The Permittee shall demonstrate initial compliance by satisfying the requirements specified in 40 CFR §63.11508(c)(1) through (11), as applicable. [40 CFR §63.11508(c)]

iv. The Permittee shall demonstrate continuous compliance with the applicable management practices and equipment standards in 40 CFR Part 63 Subpart WWWWWW by satisfying the requirements specified in 40 CFR §63.11508(d)(1) through (8), as applicable. [40 CFR §63.11508(d)]

b. Monitoring and Testing Requirements

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

c. Record Keeping Requirements

i. The Permittee must prepare an annual certification of compliance report according to 40 CFR§63.11509(c)(1) through (7). These reports do not need to be submitted unless a deviation from the requirements of 40 CFR Part 63 Subpart WWWWWW occurred during the reporting year. [40 CFR §63.11509(c)]

ii. The Permittee must keep the following records: [40 CFR §63.11509(e)(1) through (3)]

(A) A copy of any initial Notification and Notification of Compliance Status that were submitted and all documentation supporting those notifications.

(B) The records specified in 40 CFR §63.10(b)(2)(i) through (iii and (xiv) of the General Provisions of Part 63.

(C) The records required to show continuous compliance with each management practice and equipment standards that apply, as specified in 40 CFR §63.11508(d).

iii. The Permittee must keep each record for a minimum of five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The Permittee must keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR §63.10(b)(1)of the General Provisions to part 63. The Permittee may keep the records offsite for the remaining 3 years. [40 CFR §63.11509(f)]

d. Reporting Requirements

i. The Permittee must submit a Notification of Compliance Status in accordance with 40 CFR §63.11509(b). [40 CFR §§63.11508(a) and 63.11509(b)]

ii. The Permittee must prepare an annual certification of compliance report according to 40 CFR §§63.11509(c)(1) through (7). These reports do not need to be submitted unless a deviation from the requirements specified in 40 CFR Part 63 Subpart WWWWWW has occurred during the reporting year, in which case, the annual compliance report must be submitted along with the deviation report. [40 CFR §63.11509(c)]

iii. The Permittee must report any deviation from the compliance requirement specified in 40 CFR Part 63 Subpart WWWWWW if any has occurred during the year. The deviations must be reported along with the corrective action taken and submit this report to the Administrator and the commissioner. [40 CFR §63.11509(d)]

iv. 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 date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

S. 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-174-4a(b)(1).

2. Emission Testing: The Permittee shall comply with the procedures for sampling, emission testing, sample analysis, and reporting as set forth in RCSA §22a-174-5

3. Emergency Episode Procedures: The Permittee shall comply with the procedures for emergency episodes as set forth in RCSA §22a-174-6.

4. Reporting of Malfunctioning Control Equipment: The Permittee shall comply with the reporting requirements of malfunctioning control equipment as set forth in RCSA §22a-174-7.

5. Prohibition of Air Pollution: The Permittee shall comply with the requirement to prevent air pollution as set forth in RCSA §22a-174-9.

6. Public Availability of Information: The public availability of information shall apply, as set forth in RCSA §22a-174-10.

7. Prohibition Against Concealment/Circumvention: The Permittee shall comply with the prohibition against concealment or circumvention as set forth in RCSA §22a-174-11.

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 Dioxide Emissions:** The Permittee shall comply with the requirements for Control of Sulfur Dioxide Emissions from Power Plants and other large stationary sources of air pollution as set forth in RCSA §22a-174-19a.

16. **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.

17. **Organic Compound Emissions:** The Permittee shall comply with the requirements for control of organic compound emissions as set forth in RCSA §22a-174-20.

18. **Nitrogen Oxide Emissions:** The Permittee shall comply with the requirements for control of nitrogen oxide emissions as set forth in RCSA §22a-174-22f.

19. **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).

20. **Open Burning:** The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).

21. **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.

22. **Emission Fees:** The Permittee shall pay an emission fee as set forth in RCSA §22a-174-26(d).

23. **Protection of Stratospheric Ozone:** The Permittee shall comply with the standards for recycling and emissions reduction of products using ozone depleting substances pursuant to 40 CFR Part 82 Subpart F.

Section IV: Compliance Schedule

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

Section V: State Enforceable Terms and Conditions

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

SECTION V: STATE ENFORCEABLE TERMS AND CONDITIONS

A. This Title V permit does not relieve the Permittee of the responsibility to conduct, maintain and operate the emissions units in compliance with all applicable requirements of any other Bureau of the Department of Energy and Environmental Protection or any federal, local or other state agency. Nothing in this Title V permit shall relieve the Permittee of other obligations under applicable federal, state and local law.

B. Nothing in this Title V permit shall affect the commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, investigate air pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the Permittee by the commissioner.

C. Additional Emissions Units

1. The Permittee shall make and submit a written record, at the commissioner's request, within 30 days of receipt of notice from the commissioner, or by such other date specified by the commissioner, of each additional emissions unit or group of similar or identical emissions units at the premises.

2. Such record of additional emissions units shall include each emissions unit, or group of emissions units, at the premises which is not listed in Section II.A of this Title V permit, unless the emissions unit, or group of emissions units, is:

a. an insignificant emissions unit as defined in RCSA §22a-174-33; or

b. an emissions unit or activity listed in *White Paper for Streamlined Development of Part 70 Permit Applications, Attachment A* (EPA guidance memorandum dated July 10, 1995).

3. For each emissions unit, or group of emissions units, on such record, the record shall include, as available:

a. Description, including make and model;

b. Year of construction/installation or if a group, range of years of construction/installation;

c. Maximum throughput or capacity; and

d. Fuel type, if applicable.

D. Odors: The Permittee shall not cause or permit the emission of any substance or combination of substances which creates or contributes to an odor that constitutes a nuisance beyond the property boundary of the premises as set forth in RCSA §22a-174-23.

E. 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.

F. The Permittee shall comply with the requirements for Control of Carbon Dioxide Emissions as set forth in RCSA §22a-174-31.

G. The Permittee shall comply with the requirements for Architectural and Industrial Maintenance Coatings as set forth in RCSA §22a-174-41 and 22a-174-41a.

H. The Permittee shall comply with the requirements for Adhesives and Sealants as set forth in RCSA §22a-174-44.

Section VI: Title V Requirements

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

SECTION VI: TITLE V REQUIREMENTS

A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR

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

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

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

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

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

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

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

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

1. The facilities employ more than 250 persons or have gross annual sales or expenditures exceeding 25 million dollars in second quarter 1980 dollars; or

2. The delegation of authority to the duly authorized representative has been given in writing by an officer of the corporation in accordance with corporate procedures and the following:

i. Such written authorization specifically authorizes a named individual, or a named position, having responsibility for the overall operation of the Title V premises or activity,

ii. Such written authorization is submitted to the commissioner and has been approved by the commissioner in advance of such delegation. Such approval does not constitute approval of corporate procedures, and

iii. If a duly authorized representative is a named individual in an authorization submitted under subclause ii. of this subparagraph and a different individual is assigned or has assumed the responsibilities of the duly authorized representative, or, if a duly authorized representative is a named position in an authorization submitted under subclause ii. of this subparagraph and a different named position is assigned or has assumed the duties of the duly authorized representative, a new written authorization shall be submitted to the commissioner prior to or together with the submission of any application, document, report or certification signed by such representative.

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

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

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

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

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

1. Each deviation caused by upset or control equipment deficiencies; and

2. Each deviation of a permit requirement that has been monitored by the monitoring systems required under this Title V permit, which has occurred since the date of the last monitoring report; and

3. Each deviation caused by a failure of the monitoring system to provide reliable data.

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.

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.

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

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

N. PERMIT AVAILABILITY

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

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

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

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

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

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

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

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

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

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

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

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

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

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-6o.

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.

Print for Compliance Certification or Enforcement

Click the button below to generate the appropriate checklist. Be aware that this macro does not work unless you have access to the DEEP D-Drive.

This macro takes anywhere from 2-5 minutes to run. Your computer will look like it is locked up but it is working. Unfortunately, the new DEEP virtual computer system makes this process even slower. Please be patient.

Print Enforcement Checklist

Print Compliance Certification

Compliance Certification Table (2018)