



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	104 - 0103 - TV
Client/ Sequence /Town/Premises Numbers	0130-010-104-0007
Original Permit Issue Date	March 18, 2008
Revised Permit Issue Date	August 24, 2009
Expiration Date	March 18, 2013

Corporation:

Pratt & Whitney, Division of United Technologies Corporation

Premises location:

Aircraft Road, Middletown, Connecticut 06457

Name of Responsible Official and Title:

David M. Russell, Director, Facilities & Services

All pages 1 through 71, inclusive, of this document are hereby incorporated by reference into this Title V permit.

/s/ Anne Gobin for _____
Amey Marrella
Acting Commissioner

August 24, 2009
Date

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- Y. Credible Evidence

LIST OF ABBREVIATIONS/ACRONYMS

ABBREVIATION/ACRONYMDESCRIPTION

°C.....	Degrees Celsius
°F.....	Degrees Fahrenheit
BTU.....	British Thermal Units
CFR.....	Code of Federal Regulations
CGS.....	Connecticut General Statutes
CO.....	Carbon Monoxide
DERC.....	Discrete Emission Reduction Credit
DOD.....	Department of Defense
dscf.....	Dry Standard Cubic Foot
dscm.....	Dry Standard Cubic Meter
EPA.....	Environmental Protection Agency
EU.....	Emissions Unit
FLER.....	Full Load Emission Rate
gal/day.....	Gallons per Day
gal/hr.....	Gallons per Hour
GEU.....	Grouped Emissions Unit
HAP.....	Hazardous Air Pollutant
HEPA.....	High Efficiency Particulate Air
HVAC.....	Heating, Ventilating, Air Conditioning
ISO.....	International Organization for Standardization
lb.....	Pounds
lb/day.....	Pounds per Day
lb/hr.....	Pounds per Hour
lb/MMBTU.....	Pounds per Million British Thermal Units
mm Hg.....	Millimeters of Mercury
MMBTU.....	Million British Thermal Units
MMCF.....	Million Cubic Feet
MW.....	Megawatts
NAICS.....	North American Industry Classification System
NESHAP.....	National Emissions Standards for Hazardous Air Pollutants
NO _x	Nitrogen Oxides
NSPS.....	New Source Performance Standards
NSR.....	New Source Review
O&M.....	Operation and Maintenance
O ₂	Oxygen
P.....	Permit
PM.....	Particulate Matter
PM-10.....	Particulate Matter less than 10 microns
ppmvd.....	Parts Per Million by Volume, Dry
R.....	Registration
R&D.....	Research and Development
RACT.....	Reasonably Available Control Technology
RCSA.....	Regulations of Connecticut State Agencies
SCR.....	Selective Catalytic Reduction
SIC.....	Standard Industrial Classification Code
SO ₂	Sulfur Dioxide
tpy.....	Tons per 12 Consecutive Months
VOC.....	Volatile Organic Compounds

Title V Permit

All conditions in Sections III, IV, VI and VII 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, VI and VII of this Title V permit in accordance with the Clean Air Act, as amended.

Section I: Premises Information/Description

A. PREMISES INFORMATION

Nature of Business: Uninstalled engine manufacturing, assembly and testing

Primary SIC: 3724 NAICS: 54171

Facility Mailing Address: Pratt & Whitney, Division of UTC
Aircraft Road
Middletown, CT 06457

Telephone Number: (860) 344-4566

B. PREMISES DESCRIPTION

The Pratt & Whitney (P&W) Middletown facility engages in manufacturing processes, assembly and testing of experimental and production aircraft engines, ground based gas turbine engines and components, as well as overhaul and repair of these jet engines. Facility operations include processes such as tank lines, welding operations, thermal spray, small ovens, furnaces, washers, heating, ventilating, and air conditioning (HVAC). P&W is a major source for PM, PM-10, SO₂, NO_x, VOC, CO and HAPs emissions. P&W is a Title V source located in an ozone non-attainment area defined in RCSA §22a-174-1(98).

Powerhouse

Three powerhouse boilers provide steam primarily for HVAC, manufacturing processes and experimental test operations. Two Rentech boilers (GEU-17) were issued permits to construct and operate 104-0140 and 104-0141 on 12/8/2006. Low NO_x burners and flue gas recirculation are used to control NO_x emissions. The Rentech boilers are subject to the New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units (40 CFR Part 60 Subpart Dc). The Cleaver Brooks D-68 boiler (EU-19) was issued permit to construct 104-0036 on 1/14/1985, permit to operate on 10/17/1985 and revised permit on 1/14/2008. The Cleaver Brooks boiler is covered by Trading Agreement and Order No. 8134A for NO_x emissions trading.

The Caterpillar Solar gas turbine (EU-18) was issued permit to construct and operate 104-0142 on 12/8/2006. The turbine drives a 7.5 MW generator that provides electrical power to facility operations. The exhaust passes through a heat recovery steam generator that provides steam for HVAC, manufacturing processes and experimental test operations. Selective Catalytic Reduction (SCR) is used to control NO_x emissions. The turbine is subject to the NSPS for Stationary Combustion Turbines (40 CFR Part 60 Subpart KKKK) and the NESHAP for Stationary Combustion Turbines (40 CFR Part 63 Subpart YYYY).

Engine Testing Operations

Three non-vitiated inlet air heaters (GEU-3) are used in some test programs to preheat the gas turbine inlet air. Inlet air heater 1 was issued permit to construct 104-0005 on 12/8/1972 and the permit to operate was renewed on 1/28/1983. Inlet air heaters 2 and 3 were issued permits to construct 104-0028 and 104-0029 on 8/24/1977 and revised permits to operate on 4/10/1996.

An FT-4 industrial drive engine/free turbine unit (EU-4) is used to drive compressors and/or exhausters to support test cell operation. The drive engine was issued permit to construct 104-0027 on 8/24/1977 and revised permit to operate on 4/10/1996.

The testing of GG-8 gas turbine engines (EU-5) was issued permit to construct 104-0062 on 7/7/1989 and a minor modification on 9/23/2002.

Section I: Premises Information/Description

B. PREMISES DESCRIPTION, continued

The combustion test rig X-960 (EU-6) was issued permit to construct 104-0030 on 8/24/1977 and revised permit to operate on 4/10/1996.

Test Cells 1-8 (GEU-10) are used to house uninstalled aircraft engines while they are being tested. The eight Test Cells are not required to be registered or permitted.

The FT-4 industrial drive engine (EU-4), the GG-8 gas turbine engine (EU-5) while involved in development testing, and the combustion test rig X-960 (EU-6) are covered by Consent Order No. 8098 for schedule modification. The testing of GG-8 gas turbine engines (EU-5) is covered by Trading Agreement and Order No. 8134A for NOx emissions trading.

Emergency Engines

Four diesel fired emergency engines (GEU-7), a Cummins NTA495G2, a Cummins 6BT5.9G2, an Onan 150DGFA and a Kohler 80REOZJB, are subject to RCSA §22a-174-3b(e).

Eight other diesel fired emergency engines (GEU-8) are not required to be registered or permitted.

Paint Spray Booths

A Binks and a Devilbiss spray booth were issued permits 104-0073 and 104-0074 on 7/15/1994. Particulate emissions are controlled by a waterwall. They have been grouped into GEU-11. An ATR spray booth was issued permit 104-0126 on 4/24/2001; another ATR spray booth was issued permit to construct and operate 104-0139 on 12/9/2004. Dry panel filters control particulate emissions. They have been grouped into GEU-12. The spray booths are subject to the NESHAP for Aerospace Manufacturing and Rework Facilities (40 CFR Part 63 Subpart GG). However, P&W does not apply any primers or topcoats subject to the Aerospace NESHAP limits as all of the coatings applied qualify either as specialty coatings, R&D coatings or DOD coatings.

Plasma Spray Booths

There are six plasma spray booths (GEU-021) that at the time of installation did not require permits. The plasma spray booths incorporate high efficiency cartridge design dust collectors followed by HEPA filters for particulate matter control. Actual particulate emissions after control are insignificant. However, in the absence of permits making the controls federally enforceable, the plasma spray booths have a combined potential to emit of Title III metal HAPs that makes the facility a major source for HAPs. These plasma spray booths electrodeposit melted metals onto metal substrates. Per 40 CFR §63.741(f), electrodeposition is not covered by the Aerospace NESHAP. In addition, 40 CFR §63.744(c) standards for spray gun cleaning do not apply because the spray guns are not cleaned with solvents.

Miscellaneous Cleaning Operations

Miscellaneous cleaning operations subject to the Aerospace Manufacturing and Rework NESHAP include miscellaneous hand wiping, spray gun cleaning and flush cleaning.

Section II: Emissions Units Information

A. EMISSIONS UNITS DESCRIPTION

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

TABLE II.A: EMISSIONS UNITS DESCRIPTION			
Emissions Units	Emissions Unit Description	Control Unit Description	NSR Permit, Order, Registration or Regulation Number
GEU-3	Non-Vitiated Inlet Air Heaters 1, 2, 3	None	P 104-0005, 28, 29
EU-4	FT-4 Gas Turbine Engine	None	P 104-0027, Consent Order-8098
EU-5	Testing of GG-8 Gas Turbine Engines	None	P 104-0062, Consent Order-8098 Trading Agreement and Order 8134A
EU-6	Combustion Test Rig X-960	None	P 104-0030, Consent Order-8098
GEU-7	Emergency engines covered under RCOSA §22a-174-3b(e)	None	RCOSA §22a-174-3b(e)
GEU-8	Emergency Engines - diesel powered (8)	None	None
GEU-10	Test Cells 1, 2, 3, 4, 5, 6, 7, & 8	None	None
GEU-11	Binks Model NPB-12-7-TLH Spray Booth Devilbiss Turboclean Model TL-1276 Spray Booth	Waterwash Waterwash	P 104-0073 P 104-0074
GEU-12	ATR paint spray booth (BT 541944) ATR paint spray booth (BT 542361)	Panel Filter Panel Filter	P 104-0126 P 104-0139
GEU-17	Rentech Boilers 1 & 2	Low NOx burner, Flue Gas Recirculation	P 104-0140, P 104-0141
EU-18	Caterpillar Solar Gas Turbine	SCR	P 104-0142
EU-19	Cleaver Brooks D-68 Boiler	None	P 104-0036 Trading Agreement and Order 8134A
GEU-21	Plasma Spray Booths (6)	Cartridge collectors, HEPA filters	None

Section II: Emissions Units Information

B. OPERATING SCENARIO IDENTIFICATION

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

TABLE II.B: OPERATING SCENARIO IDENTIFICATION	
Emissions Units Associated with the Scenarios	Description of Scenarios
GEU-3	The standard operation of the three inlet air heaters is to preheat the inlet air of engine component test rigs to simulate the actual engine operating condition.
EU-4	The standard operation of the FT-4 industrial drive engines/free turbine unit is to drive a compressor system that provides inlet air to engine component test rigs.
EU-5	The standard operation of the GG-8 stationary gas turbine engines is the conducting of performance evaluation tests.
EU-6	The standard operation of the combustion test rig X-960 is the conducting of performance evaluation tests.
GEU-7 & GEU-8	The standard operation of the emergency engines is to provide emergency power (electrical & fire pumps) for operations in the facility or maintenance purposes.
GEU-10	The standard operation of the Test Cells 1 to 8 is to house uninstalled aircraft engines while they are being tested.
GEU-11 & GEU-12	The standard operation of the spray booths is to apply specialty coatings, R&D coatings and DOD coatings to uninstalled engine parts, fixtures, parts and products.
GEU-17 & EU-19	The standard operation of the three boilers is to supply steam, which is used primarily for HVAC, manufacturing processes and experimental test.
EU-18	The standard operation of the gas turbine is to power an electrical generator and supply steam, which is used primarily for HVAC, manufacturing processes and experimental test.
GEU-21	The standard operation of the plasma spray booths is to apply coatings to uninstalled engine parts, fixtures, R&D and DOD parts and products.

Section III: Applicable Requirements and Compliance Demonstration

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

A. GROUPED EMISSIONS UNITS 3

Table III.A: GROUPED EMISSIONS UNITS 3	
Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
1. Fuel Consumption	<ul style="list-style-type: none"> a. <u>Limitations or Restrictions</u> <ul style="list-style-type: none"> i. Inlet Air Heater 1 is limited to burn propane, jet fuel and No. 2 fuel oil; however, there is no maximum fuel consumption limit for each fuel. [P 104-0005] ii. The maximum fuel consumption for Inlet Air Heater 2 over any consecutive 12 month period is 101,712 gallons of Jet A fuel and 114,720 gallons of propane. [P 104-0028 Part I.4] iii. The maximum fuel consumption for Inlet Air Heater 3 over any consecutive 12 month period is 101,712 gallons of Jet A fuel and 114,720 gallons of propane. [P 104-0029 Part I.4] b. <u>Monitoring and Testing Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall use a fuel metering device to continuously monitor fuel feed, when more than one fuel supply tank is to service this source or when multiple sources are supplied by one fuel tank. [RCSA §22a-174-33(j)(1)(K)(ii) and P 104-0028 & 29 Part IV.1] c. <u>Record Keeping Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall keep records of monthly and consecutive 12 month fuel consumption for the Inlet Air Heaters. Consecutive 12 month fuel consumption shall be determined by adding (for each fuel) the current month's fuel usage to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [RCSA §22a-174-4(d)(1) and P 104-0028 & 29 Part IV.1] d. <u>Reporting Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall report annual fuel consumption for the Inlet Air Heaters in the annual emission statement. [RCSA §22a-174-4(d)(1)]

Section III: Applicable Requirements and Compliance Demonstration

Table III.A: GROUPED EMISSIONS UNITS 3, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
2. Sulfur Content	<p>a. <u>Limitations or Restrictions</u></p> <ul style="list-style-type: none"> i. The fuel Sulfur content (% by weight, dry basis) limit for Inlet Air Heater 1 is 1.0%. [RCSA §22a-174-19(a)(2)(i)] ii. The fuel Sulfur content (% by weight, dry basis) limit for Inlet Air Heater 2 is 0.1% for Jet A fuel. [P 104-0028 Part I.5] iii. The fuel Sulfur content (% by weight, dry basis) limit for Inlet Air Heater 3 is 0.1% for Jet A fuel. [P 104-0029 Part I.5] <p>Note that in Section V of this Title V permit, State Enforceable Terms and Conditions, the sulfur content of No. 2 heating oil shall not exceed 0.3% sulfur, by weight. [CGS §16a-21a]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <ul style="list-style-type: none"> i. The Permittee shall monitor the sulfur content of the liquid fuel burned in the Inlet Air Heaters, using either a fuel certification for a delivery of fuel from a bulk petroleum provider or a copy of a current contract with the fuel supplier supplying the fuel used by the equipment that includes the applicable sulfur content of the fuel as a condition of each shipment. [RCSA §22a-174-33(j)(1)(K)(ii)] <p>c. <u>Record Keeping Requirements</u></p> <ul style="list-style-type: none"> i. The Permittee shall make and keep records of the sulfur content of the liquid fuel burned in the Inlet Air Heaters. Records for a fuel certification shall include the following information: the date of delivery, the name of the fuel supplier, type of fuel delivered, the percentage of sulfur in such fuel, by weight, dry basis, and the method used to determine the sulfur content of such fuel. Records for a contract shall include the following information: the name of the fuel supplier, the type of fuel delivered, and the percentage of sulfur in such fuel, by weight, dry basis. [RCSA §22a-174-4(d)(1)] <p>d. <u>Reporting Requirements</u></p> <ul style="list-style-type: none"> i. The Permittee shall report the average contractual sulfur content of the liquid fuel burned in the Inlet Air Heaters in the annual emission statement. [RCSA §22a-174-4(d)(1)]

Section III: Applicable Requirements and Compliance Demonstration

Table III.A: GROUPED EMISSIONS UNITS 3, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
3. Hours of Operation	<p>a. <u>Limitations or Restrictions</u></p> <ul style="list-style-type: none"> i. The hours of operation limits for Inlet Air Heater 1 are 20 hours per day and 5,000 hours per year. [P 104-0005] ii. The maximum daily hours of operation limit for Inlet Air Heater 2 is 14 hours per day. [P 104-0028 Part I.6] iii. The maximum daily hours of operation limit for Inlet Air Heater 3 is 14 hours per day. [P 104-0029 Part I.6] <p>b. <u>Monitoring and Testing Requirements</u></p> <ul style="list-style-type: none"> i. The Permittee shall monitor the hours of operation of the Inlet Air Heaters using log entries of the hours run each day. [RCSA §22a-174-33(j)(1)(K)(ii)] <p>c. <u>Record Keeping Requirements</u></p> <ul style="list-style-type: none"> i. The Permittee shall make and keep records the hours of operation of the Inlet Air Heaters. Records shall include the name or clock number of the responsible individual, the date and the hours run each day. The Permittee shall total the hours of operation annually. [RCSA §22a-174-4(d)(1)] <p>d. <u>Reporting Requirements</u></p> <ul style="list-style-type: none"> i. The Permittee shall report the annual hours of operation for the Inlet Air Heaters in the annual emission statement. [RCSA §22a-174-4(d)(1)]

Section III: Applicable Requirements and Compliance Demonstration

Table III.A: GROUPED EMISSIONS UNITS 3, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
4. Nitrogen Oxides	<p>a. <u>Limitations or Restrictions</u></p> <p>i. The Permittee shall not cause or allow emissions of NO_x from the Inlet Air Heaters in excess of 700 ppmvd. [RCSA §22a-174-22(e)(2)(G)]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <p>i. The Permittee shall conduct an emission test of the Inlet Air Heaters to demonstrate compliance with RCSA §22a-174-22. Each such emission test shall be conducted in accordance with RCSA §22a-174-5. Compliance with the emission limitations of RCSA §22a-174-22 shall be determined based on the average of three one-hour tests, each performed over a consecutive 60-minute period. Any analysis of nitrogen content conducted as part of such emission testing shall be in accordance with Method D-3228 of the American Society for the Testing of Materials. If the commissioner determines that three one-hour tests are not reasonable given the location, configuration or operating conditions of a stationary source, the commissioner may approve testing where compliance with the emission limitations of RCSA §22a-174-22 shall be determined based on the average of four 15-minute tests, each performed over a consecutive 15-minute period. Any owner or operator of a stationary source who has not installed and operated a continuous emissions monitor at such source shall conduct emission testing once every five years from the date of the previous test or five years from the date the previous test was due, whichever is earlier. [RCSA §22a-174-22(k)(1)]</p> <p>ii. The Permittee shall demonstrate compliance with emission limitations of RCSA §22a-174-22 using sampling and analytical procedures approved under 40 CFR 60, Appendix A, or under procedures in RCSA §22a-174-5(d). Sampling shall be conducted when the source is at normal operating temperature and, unless allowed otherwise by the commissioner in a permit or order, is operating at or above ninety percent (90%) of maximum capacity. [RCSA §22a-174-22(k)(2)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.A: GROUPED EMISSIONS UNITS 3, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
4. Nitrogen Oxides, continued	<p>c. <u>Record Keeping Requirements</u></p> <ul style="list-style-type: none"> i. The Permittee shall keep the following records: <ul style="list-style-type: none"> A. Records of all tune-ups, repairs, replacement of parts and other maintenance; B. Copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22; C. Records of the dates, times, and places of all emission testing required by RCSA §22a-174-22, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing; and D. Any other records or reports required by an order or permit issued by the commissioner pursuant to RCSA §22a-174-22. [RCSA §22a-174-22(1)(1)(D), (E), (H) & (J)] ii. The Permittee shall retain all records and reports produced pursuant to the requirements of RCSA §22a-174-22 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 source, unless the commissioner approves in writing the use of another location in the State. [RCSA §22a-174-22(1)(5)] <p>d. <u>Reporting Requirements</u></p> <ul style="list-style-type: none"> i. Within 30 days of the completion of emission tests conducted under the requirements of RCSA §22a-174-22(k)(1), the Permittee shall submit a written report of the results of such testing to the commissioner. [RCSA §22a-174-22(1)(2)] ii. On or before April 15 of each year, the Permittee shall submit a report on NOx emissions from such source, on a form provided by the commissioner. [RCSA §22a-174-22(1)(6)] The Permittee shall comply with this requirement by reporting NOx emissions for this emission unit in the annual emissions statement.

Section III: Applicable Requirements and Compliance Demonstration

B. EMISSIONS UNIT 4

Table III.B: EMISSIONS UNIT 4	
Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
1. Fuel Consumption	<ul style="list-style-type: none">a. <u>Limitations or Restrictions</u><ul style="list-style-type: none">i. The maximum fuel consumption for the FT-4 gas turbine drive engine over any consecutive 12 month period is 1,257,777 gallons of Jet A fuel. [P 104-0027 Part I.4]b. <u>Monitoring and Testing Requirements</u><ul style="list-style-type: none">i. The Permittee shall use a fuel metering device to continuously monitor fuel feed, when more than one fuel supply tank is to service this source or when multiple sources are supplied by one fuel tank. [P 104-0027 Part IV.2]c. <u>Record Keeping Requirements</u><ul style="list-style-type: none">i. The Permittee shall keep records of monthly and consecutive 12 month fuel consumption for the FT-4 gas turbine drive engine. Consecutive 12 month fuel consumption shall be determined by adding (for each fuel) the current month's fuel usage to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P 104-0027 Part IV.1]d. <u>Reporting Requirements</u><ul style="list-style-type: none">i. The Permittee shall report annual fuel consumption for the FT-4 gas turbine drive engine in the annual emission statement. [RCSA §22a-174-4(d)(1)]

Section III: Applicable Requirements and Compliance Demonstration

Table III.B: EMISSIONS UNIT 4, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
2. Sulfur Content	<p>a. <u>Limitations or Restrictions</u></p> <p>i. The fuel sulfur content (% by weight, dry basis) limit for the FT-4 gas turbine drive engine is 0.1% for Jet A fuel. [P 104-0027 Part I.5]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <p>i. The Permittee shall monitor the sulfur content of Jet A fuel burned in the FT-4 gas turbine drive engine, using either a fuel certification for a delivery of fuel from a bulk petroleum provider or a copy of a current contract with the fuel supplier supplying the fuel used by the equipment that includes the applicable sulfur content of the fuel as a condition of each shipment. [RCSA §22a-174-33(j)(1)(K)(ii)]</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall make and keep records of the sulfur content of the Jet A fuel burned in the FT-4 gas turbine drive engine. Records for a fuel certification shall include the following information: the date of delivery, the name of the fuel supplier, type of fuel delivered, the percentage of sulfur in such fuel, by weight, dry basis, and the method used to determine the sulfur content of such fuel. Records for a contract shall include the following information: the name of the fuel supplier, the type of fuel delivered, and the percentage of sulfur in such fuel, by weight, dry basis. [RCSA §22a-174-4(d)(1)]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. The Permittee shall report the average contractual sulfur content of the Jet A fuel burned in the FT-4 gas turbine drive engine in the annual emission statement. [RCSA §22a-174-4(d)(1)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.B: EMISSIONS UNIT 4, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
3. Hours of Operation	<ul style="list-style-type: none"> a. <u>Limitations or Restrictions</u> <ul style="list-style-type: none"> i. The maximum daily hours of operation limit for the FT-4 gas turbine drive engine is 14 hours per day. [P 104-0027 Part I.6] b. <u>Monitoring and Testing Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall monitor the hours of operation of the FT-4 gas turbine drive engine using log entries of the hours run each day. [RCSA §22a-174-33(j)(1)(K)(ii)] c. <u>Record Keeping Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall make and keep records the hours of operation of the FT-4 gas turbine drive engine. Records shall include the name or clock number of the responsible individual, the date and the hours run each day. The Permittee shall total the hours of operation annually. [RCSA §22a-174-4(d)(1)] d. <u>Reporting Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall report the annual hours of operation for the FT-4 gas turbine drive engine in the annual emission statement. [RCSA §22a-174-4(d)(1)]

Section III: Applicable Requirements and Compliance Demonstration

C. EMISSIONS UNIT 5

Table III.C: EMISSIONS UNIT 5	
Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
1. Fuel Consumption	<ul style="list-style-type: none"> a. <u>Limitations or Restrictions</u> <ul style="list-style-type: none"> i. Maximum fuel consumption over any consecutive 12 month period is 259,609 gallons of jet fuel for the testing of GG-8 Gas Turbine Engines. [P 104-0062 Part I.A.2] b. <u>Monitoring and Testing Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall use a fuel metering device to continuously monitor fuel feed, when more than one fuel supply tank is to service this source or when multiple sources are supplied by one fuel tank. [P 104-0062 Part IV.A.1] c. <u>Record Keeping Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall keep records of monthly and consecutive 12 month fuel consumption for the testing of GG-8 Gas Turbine Engines. Consecutive 12 month fuel consumption shall be determined by adding the current month's fuel usage to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P 104-0062 Part IV.B.1] d. <u>Reporting Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall report annual fuel consumption for the testing of GG-8 Gas Turbine Engines in the annual emission statement. [RCSA §22a-174-4(d)(1)]

Section III: Applicable Requirements and Compliance Demonstration

Table III.C: EMISSIONS UNIT 5, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
2. Sulfur Content	<p>a. <u>Limitations or Restrictions</u></p> <p>i. Fuel Sulfur content (% by weight, dry basis) is 0.2% for Jet fuel for the testing of GG-8 Gas Turbine Engines. [P 104-0062 Part I.A.3]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <p>i. The Permittee shall monitor the sulfur content of the liquid fuels using either a fuel certification for a delivery of fuel from a bulk petroleum provider or a copy of a current contract with the fuel supplier supplying the fuel used by the equipment that includes the applicable sulfur content of the fuel as a condition of each shipment or by sampling after each transfer/shipment to the large bulk storage tanks. [P 104-0062 Part IV.A.2]</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall keep records of the fuel certification and sampling that include the following information: the date of delivery, the name of the fuel supplier, type of fuel delivered, the percentage of sulfur in such fuel, by weight, dry basis, and the method used to determine the sulfur content of such fuel. Records for a current contract shall include the following information: the name of the fuel supplier, the type of fuel delivered, and the percentage of sulfur in such fuel, by weight, dry basis. [P 104-0062 Part IV.B.2]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. The Permittee shall report the average contractual sulfur content for the Jet fuel for the testing of GG-8 Gas Turbine Engines in the annual emission statement. [RCSA §22a-174-4(d)(1)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.C: EMISSIONS UNIT 5, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
3. Nitrogen Oxides	<p>a. <u>Limitations or Restrictions</u></p> <p>i. <u>For Engines Not Covered by Trading Order 8134A (Production GG-8 gas turbine engines are either included in the Trading Agreement and Order 8134a or are compliant) or Schedule Modification Order 8098:</u> The Permittee shall meet the nitrogen oxide emission limitation for the production GG-8 Gas Turbine Engines of 75 ppmvd corrected to 15% oxygen. [RCSA §22a-174-22(e)(1) and Table 22-1]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <p>i. The Permittee shall conduct an emission test of a production GG-8 gas turbine engine to demonstrate compliance with RCSA §22a-174-22. Each such emission test shall be conducted in accordance with RCSA §22a-174-5. Compliance with the emission limitations of RCSA §22a-174-22 shall be determined based on the average of three one-hour tests, each performed over a consecutive 60-minute period. Any analysis of nitrogen content conducted as part of such emission testing shall be in accordance with Method D-3228 of the American Society for the Testing of Materials. If the commissioner determines that three one-hour tests are not reasonable given the location, configuration or operating conditions of a stationary source, the commissioner may approve testing where compliance with the emission limitations of RCSA §22a-174-22 shall be determined based on the average of four 15-minute tests, each performed over a consecutive 15-minute period. Any owner or operator of a stationary source who has not installed and operated a continuous emissions monitor at such source shall conduct emission testing once every five years from the date of the previous test or five years from the date the previous test was due, whichever is earlier. [RCSA §22a-174-22(k)(1)]</p> <p>ii. The Permittee shall demonstrate compliance with emission limitations of RCSA §22a-174-22 using sampling and analytical procedures approved under 40 CFR 60, Appendix A, or under procedures in RCSA §22a-174-5(d). Sampling shall be conducted when the source is at normal operating temperature and, unless allowed otherwise by the commissioner in a permit or order, is operating at or above ninety percent (90%) of maximum capacity. [RCSA §22a-174-22(k)(2)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.C: EMISSIONS UNIT 5, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
3. Nitrogen Oxides, continued	<p>c. <u>Record Keeping Requirements</u></p> <ul style="list-style-type: none"> i. The Permittee shall keep the following records: <ul style="list-style-type: none"> A. Records of all tune-ups, repairs, replacement of parts and other maintenance; B. Copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22; C. Records of the dates, times, and places of all emission testing required by RCSA §22a-174-22, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing; and D. Any other records or reports required by an order or permit issued by the commissioner pursuant to RCSA §22a-174-22. [RCSA §22a-174-22(1)(1)(D), (E), (H) & (J)] ii. The Permittee shall retain all records and reports produced pursuant to the requirements of RCSA §22a-174-22 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 source, unless the commissioner approves in writing the use of another location in the State. [RCSA §22a-174-22(1)(5)] <p>d. <u>Reporting Requirements</u></p> <ul style="list-style-type: none"> i. Within 30 days of the completion of emission tests conducted under the requirements of RCSA §22a-174-22(k)(1), the Permittee shall submit a written report of the results of such testing to the commissioner. [RCSA §22a-174-22(1)(2)] ii. On or before April 15 of each year, the Permittee shall submit a report on NOx emissions from such source, on a form provided by the commissioner. [RCSA §22a-174-22(1)(6)] The Permittee shall comply with this requirement by reporting NOx emissions for this emission unit in the annual emissions statement.

Section III: Applicable Requirements and Compliance Demonstration

Table III.C: EMISSIONS UNIT 5, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
4. Trading Agreement and Order 8134A	<p>a. <u>Limitations or Restrictions</u></p> <p>i. The commissioner allows P&W to comply with RCSA §22a-174-22 through use of DERC trading for the production GG-8 gas turbine engines to achieve the NOx emission reduction required by RCSA §22a-174-22(d)(1). [Trading Agreement and Order 8134A Section B]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <p>i. In accordance with RCSA §22a-174-22(k), P&W shall conduct NOx emission tests of a production GG-8 gas turbine engine at least once every five years. Such NOx emission test shall be conducted prior to five years from the date of the last test. [Trading Agreement and Order 8134A Section C.6]</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. Until P&W achieves compliance with the emission standards in RCSA §22a-174-22(e), P&W shall acquire and retire approved DERCs and shall document and record the amounts of all fuel and DERCs used by the production GG-8 gas turbine engines each month, and provide such records in accordance with the following and RCSA §22a-174-22:</p> <p style="margin-left: 20px;">A. DERC Shortfall. At a minimum, DERCs required shall be adjusted upwards by 100% if DERCs are not in P&W's possession prior to the first day of each month or applicable season.</p> <p style="margin-left: 20px;">B. No later than the twentieth day of each month, P&W shall calculate and permanently retire DERCs used in the preceding calendar month for the production GG-8 gas turbine engines, as follows:</p> <p style="margin-left: 40px;">Engine DERCs (in tons) = [(Hours of Operation x (FLER in lb/hr) – (0.95 x NOx allowable rate in lb/MMBTU)) x (fuel use in MMBTU)] / 2000 pounds/ton</p> <p style="margin-left: 40px;">Where:</p> <p style="margin-left: 60px;">NOx allowable rate = RACT rate = 75 ppmvd = 0.292 lb/MMBTU</p> <p style="margin-left: 60px;">FLER = full load emission rate of 230 lb/hr</p> <p style="margin-left: 60px;">Discount (0.95) = 5% design margin applied to the allowable rate</p> <p style="margin-left: 20px;">C. Document and record monthly consumption of fuel and DERCs;</p> <p style="margin-left: 20px;">D. Retain records and supporting documents for a minimum of five years, commencing on the date such records were created;</p> <p style="margin-left: 20px;">E. Maintain documentation to attest to the fact that DERCs used during the ozone season were generated during the ozone season. The ozone season is from May 1 through September 30 in any calendar year. Generator certification of this fact shall be sufficient.</p> <p>[Trading Agreement and Order 8134A Section C.1.a, b, c, e & f]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.C: EMISSIONS UNIT 5, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
4. Trading Agreement and Order 8134A, continued	<p>d. <u>Reporting Requirements</u></p> <p>i. No later than March 1, of each year that Trading Agreement and Order 8134A is in effect, P&W shall include with its annual emissions statement report to the commissioner, the monthly rate of fuel consumption for the production GG-8 gas turbine engines and DERs used by the production GG-8 gas turbine engines for the previous calendar year. [Trading Agreement and Order 8134A Section C.1.d.]</p> <p>ii. Within 30 days after completing any emissions testing required by Trading Agreement and Order 8134A, P&W shall submit to the commissioner a written report providing the results of such testing; within 15 days of a notice from the commissioner indicating any deficiencies in such report, P&W shall submit a revised report. [Trading Agreement and Order 8134A Section C.8.e.]</p>

Section III: Applicable Requirements and Compliance Demonstration

D. EMISSIONS UNIT 6

Table III.D: EMISSIONS UNIT 6	
Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
1. Fuel Consumption	<ul style="list-style-type: none"> a. <u>Limitations or Restrictions</u> <ul style="list-style-type: none"> i. The maximum fuel consumption for the Experimental Aircraft Engine Combustion Rig X-960 over any consecutive 12 month period is 294,502 gallons of Aviation fuel or 36 MMCF of natural gas, where 1 MMCF Natural Gas may be substituted for each 8180.6 gallons of Aviation fuel. [P 104-0030 Part I.4] b. <u>Monitoring and Testing Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall use a fuel metering device to continuously monitor fuel feed, when more than one fuel supply tank is to service this source or when multiple sources are supplied by one fuel tank. [P 104-0030 Part IV.2] c. <u>Record Keeping Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall keep records of monthly and consecutive 12 month fuel consumption for the Experimental Aircraft Engine Combustion Rig X-960. Consecutive 12 month fuel consumption shall be determined by adding the current month's fuel usage to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P 104-0030 Part IV.1] d. <u>Reporting Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall report annual fuel consumption for the Experimental Aircraft Engine Combustion Rig X-960 in the annual emission statement. [RCSA §22a-174-4(d)(1)]

Section III: Applicable Requirements and Compliance Demonstration

Table III.D: EMISSIONS UNIT 6, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
2. Sulfur Content	<p>a. <u>Limitations or Restrictions</u></p> <p>i. The fuel sulfur content (% by weight, dry basis) limit for the Experimental Aircraft Engine Combustion Rig X-960 is 0.1% for Aviation fuel. [P 104-0030 Part I.5]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <p>i. The Permittee shall monitor the sulfur content of the Aviation fuel burned in Experimental Aircraft Engine Combustion Rig X-960, using either a fuel certification for a delivery of fuel from a bulk petroleum provider or a copy of a current contract with the fuel supplier supplying the fuel used by the equipment that includes the applicable sulfur content or grade of the fuel as a condition of each shipment. [RCSA §22a-174-33(j)(1)(K)(ii)]</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall make and keep records of the sulfur content of the Aviation fuel burned in the Experimental Aircraft Engine Combustion Rig X-960. Records for a fuel certification and sampling shall include the following information: the date of delivery, the name of the fuel supplier, type of fuel delivered, the percentage of sulfur in such fuel, by weight, dry basis, and the method used to determine the sulfur content of such fuel. Records for a current contract shall include the following information: the name of the fuel supplier, the type of fuel delivered, and the percentage of sulfur in such fuel, by weight, dry basis. [RCSA §22a-174-4(d)(1)]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. The Permittee shall report average contractual sulfur content for the Aviation fuel burned in the Experimental Aircraft Engine Combustion Rig X-960 in the annual emission statement. [RCSA §22a-174-4(d)(1)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.D: EMISSIONS UNIT 6, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
3. Hours of Operation	<ul style="list-style-type: none"> a. <u>Limitations or Restrictions</u> <ul style="list-style-type: none"> i. The maximum daily hours of operation for Experimental Aircraft Engine Combustion Rig X-960 is 14 hours per day. [P 104-0030 Part I.6] b. <u>Monitoring and Testing Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall monitor the hours of operation of the Experimental Aircraft Engine Combustion Rig X960 using log entries of the hours run each day. [RCSA §22a-174-33(j)(1)(K)(ii)] c. <u>Record Keeping Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall make and keep records the hours of operation of the Experimental Aircraft Engine Combustion Rig X-960. Records shall include the name or clock number of the responsible individual, the date and the hours run each day. The Permittee shall total the hours of operation annually. [RCSA §22a-174-4(d)(1)] d. <u>Reporting Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall report annual hours of operation for the Experimental Aircraft Engine Combustion Rig X-960 in the annual emission statement. [RCSA §22a-174-4(d)(1)]

Section III: Applicable Requirements and Compliance Demonstration

E. EMISSIONS UNITS 4, 5 & 6

Table III.E: EMISSIONS UNITS 4, 5 & 6	
Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
1. Order 8098, Schedule Modification	<p>a. <u>Limitations or Restrictions</u></p> <p>i. The commissioner has determined that it is not technologically or economically feasible for the subject equipment to comply with the emissions limitations in RCSA §22a-174-22(e) through (g). [Consent Order 8098 Paragraph A.4] The commissioner will consider P&W to be in current compliance with Consent Order 8098 if it: (A) maintains and submits all records required by Consent Order 8098 and (B) operates the subject equipment on days during the ozone season that the Department does not forecast “Moderate to Unhealthful”, “Unhealthful”, “Unhealthful to Very unhealthful”, “Very unhealthful to Hazardous” or “Hazardous” ozone levels, even if the forecast subsequently becomes a “Moderate to Unhealthful” ozone level day. [Consent Order 8098 Paragraph B.1.f]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <p>i. On each weekday before a day P&W intends to operate the subject equipment at the facility during the ozone season, P&W shall obtain from the commissioner the predicted ozone forecast for the following weekday or, on Friday or days preceding a Connecticut or federal holiday, for the following weekend day(s) and/or the first following weekday. The ozone forecast shall be obtained by calling the commissioner at (860) 424-4167 or an alternative telephone number specified by the commissioner after 3 P.M. and listening to the recorded message. [Consent Order 8098 Paragraph B.1.a]</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. P&W shall maintain a log during the ozone season of those days that the subject equipment is operated, fuel use by the subject equipment on those days, and the ozone level predicted for those days. On or before December 31 of each year following issuance of Consent Order 8098, P&W shall submit copies of the log for the previous ozone season to the commissioner. In addition, P&W shall comply with applicable record keeping requirements of RCSA §22a-174-22(l) for the subject equipment at the facility. [Consent Order 8098 Paragraph B.1.e]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. On or before December 31 of each year following issuance of this Consent Order, P&W shall submit copies of the log for the previous ozone season to the commissioner. [Consent Order 8098 Paragraph B.1.e]</p>

Section III: Applicable Requirements and Compliance Demonstration

F. GROUPED EMISSIONS UNITS 7

Table III.F: GROUPED EMISSIONS UNITS 7

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
1. Hours of Operation	<p>a. <u>Limitations or Restrictions</u></p> <p>i. The Permittee shall not cause or allow each emergency engine to operate except during periods of testing and scheduled maintenance or during an emergency and unless operation of such engine shall not exceed 300 hours during any 12 month rolling aggregate. [RCSA §22a-174-3b(e)(2)(C)]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <p>i. The Permittee shall monitor hours of operation for each emergency engine using log entries of the hours run each day. [RCSA §22a-174-33(j)(1)(K)(ii)]</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall make and maintain records of the hours of operation of each emergency engine for each month and 12 month rolling aggregate. [RCSA §22a-174-3b(e)(4)]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. The Permittee shall report the annual hours of operation for each emergency engine in the annual emission statement. [RCSA §22a-174-4(d)(1)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.F: GROUPED EMISSIONS UNITS 7, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
2. Sulfur Content	<p>a. <u>Limitations or Restrictions</u></p> <p>i. The Permittee shall not cause or allow the emergency engines to operate except during periods of testing and scheduled maintenance or during an emergency and unless any nongaseous fuel consumed by such engine shall not exceed the sulfur content of motor vehicle diesel fuel where 'motor vehicle diesel fuel' is defined as in RCSA §22a-174-42. [RCSA §22a-174-3b(e)(2)(D)] Motor vehicle diesel fuel means on-road diesel fuel that meets the sulfur limits in 40 CFR 80.29, 80.500(a) and 80.520(a) and (b). [RCSA §22a-174-42(a)]</p> <p>b. <u>Monitoring and Testing Requirements</u> None</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall keep any of the following records to demonstrate compliance of the sulfur content of fuel used in each emergency engine: (A) A fuel certification for a delivery of nongaseous fuel from a bulk petroleum provider; (B) A sales receipt for the sale of motor vehicle diesel fuel from a retail location; or (C) A copy of a current contract with the fuel supplier supplying the fuel used by the equipment that includes the applicable sulfur content of nongaseous fuel as a condition of each shipment. [RCSA §22a-174-3b(h)]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. The Permittee shall report the sulfur content for the fuel burned in each emergency engine in the annual emission statement. [RCSA §22a-174-4(d)(1)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.F: GROUPED EMISSIONS UNITS 7, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
3. Fuel Usage	<ul style="list-style-type: none"> a. <u>Limitations or Restrictions</u> There are no operating limitations on fuel usage for the emergency engines. However, there are monitoring, record keeping and reporting requirements. b. <u>Monitoring and Testing Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall monitor the fuel usage for each emergency engine, using either fuel purchase receipts or a non-resettable totalizing fuel meter. [RCSA §22a-174-33(j)(1)(K)(ii)] c. <u>Record Keeping Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall make and keep records of the annual fuel usage for each emergency engine. [RCSA §22a-174-4(d)(1)] d. <u>Reporting Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall report annual fuel usage for each emergency engine in the annual emission statement. [RCSA §22a-174-4(d)(1)]

Section III: Applicable Requirements and Compliance Demonstration

Table III.F: GROUPED EMISSIONS UNITS 7, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
4. Particulate Matter	<p>a. <u>Limitations or Restrictions</u></p> <p>i. (FEDERALLY ENFORCEABLE SIP REQUIREMENT) The Permittee shall either not cause or allow the Cummins NTA495G2, Cummins 6BT5.9G2 and Onan 150DGFA emergency engines to emit more than 0.10 pounds of particulate matter per million BTU of heat input or combust only fuel with a sulfur content less than or equal to 0.05% by weight, because they were manufactured prior to or in model year 1996. [RCSA §22a-174-18(e)(3)]</p> <p>ii. (STATE-ONLY REQUIREMENT) The Permittee of any stationary reciprocating internal combustion engine that is an emergency engine, as defined in RCSA §22a-174-22(a)(2) and has a maximum continuous brake horsepower output rating, as specified by the manufacturer, greater than or equal to 175 bhp shall not be subject to the particulate matter emissions standards of RCSA §22a-174-18(e). [RCSA §22a-174-18(j)(6)]</p> <p>b. <u>Monitoring and Testing Requirements</u> None</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall make and keep records in accordance with Table III.F.2 of this Title V permit to demonstrate compliance with the particulate matter emission standard for the Cummins NTA495G2, Cummins 6BT5.9G2 and Onan 150DGFA emergency engines. [RCSA §22a-174-4(d)(1)]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. The Permittee shall make records of particulate matter emissions for each emergency engine available to the commissioner upon request. [RCSA §22a-174-4(d)(1)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.F: GROUPED EMISSIONS UNITS 7, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
5. Nitrogen Oxides	<p>a. <u>Limitations or Restrictions</u> There are no operating limitations on nitrogen oxide emissions for the Cummins NTA495G2, Cummins 6BT5.9G2, Onan 150DGFA and Kohler 80REOZJB emergency engines. However, only the Kohler 80REOZJB emergency engine has record keeping and reporting requirements because it is a reciprocating engine with a maximum rated capacity of 3 MMBTU/hr or more. [RCSA §22a-174-22(b)(1)(A)(i)]</p> <p>b. <u>Monitoring and Testing Requirements</u> None.</p> <p>c. <u>Record Keeping Requirements</u></p> <ul style="list-style-type: none"> i. The Permittee shall keep the following records: <ul style="list-style-type: none"> A. Daily record of operating hours of such engine, identifying the operating hours of emergency and non-emergency use; B. Records of all tune-ups, repairs, replacement of parts and other maintenance; C. Copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22; and D. Any other records or reports required by an order or permit issued by the commissioner pursuant to RCSA §22a-174-22. [RCSA §22a-174-22(l)(1)(A), (D), (E) & (J)] ii. The Permittee shall retain all records and reports produced pursuant to the requirements of RCSA §22a-174-22 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 source, unless the commissioner approves in writing the use of another location in the State. [RCSA §22a-174-22(l)(5)] <p>d. <u>Reporting Requirements</u></p> <ul style="list-style-type: none"> i. On or before April 15 of each year, the Permittee shall submit a report on NOx emissions from such source, on a form provided by the commissioner. [RCSA §22a-174-22(l)(6)] The Permittee shall comply with this requirement by reporting NOx emissions for this emission unit in the annual emissions statement.

Section III: Applicable Requirements and Compliance Demonstration

G. GROUPED EMISSIONS UNITS 11

Table III.G: GROUPED EMISSIONS UNIT 11	
Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
1. Coating Usage	<p>a. <u>Limitations or Restrictions</u></p> <p>i. The use of PMC 1873 Skybond 703 Polyimide Resin is restricted. Allowable range of paint to thinner ratios 0.5:1 to 1.5:1. Allowable coating usage (gal/hr and gal/day) = $(-0.36)X + 1.7$, where X= portion of paint in paint to thinner ratio, from 0.5 to 1.5. The use of other coatings other than the above listed one is allowed, however under no circumstances shall the use of any coating violate any condition of permit 104-0073. [P 104-0073 & 74 Part B]</p> <p>b. <u>Monitoring and Testing Requirements</u> None.</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall maintain records of coating and solvent usage for the Binks and DeVilbiss spray booths. Records shall be kept on site at all times, shall be made available to the commissioner upon request and shall contain the following information:</p> <p style="margin-left: 20px;">A. Coatings used and amount of consumption for each one on a daily, monthly and yearly basis.</p> <p style="margin-left: 20px;">B. Description of each coating used including coating name, density, VOC content, content of each individual hazardous air pollutant, non-volatile content and solids content (by weight and volume).</p> <p style="margin-left: 20px;">C. In addition, purchasing records and material safety data sheets for each coating and solvent used shall be kept on site. [P 104-0073 & 74 Part F]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. The Permittee shall report annual total coating and solvent usage for each spray booth in the annual emission statement. [RCSA §22a-174-4(d)(1)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.G: GROUPED EMISSIONS UNITS 11, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
<p>2. Allowable VOC and PM Emission Limits</p>	<p>a. <u>Limitations or Restrictions</u></p> <p>i. The allowable emission rates for the Binks Model NPB-12-7-TLH Waterwash Design Spray Booth are:</p> <p style="margin-left: 20px;">A. VOC: 10 lb/hr, 10 lb/day, and 1.83 tons/year</p> <p style="margin-left: 20px;">B. PM: 0.59 lb/hr, 0.59 lb/day, and 0.11 tons/year [P 104-0073 Part A]</p> <p>ii. The allowable emission rates for the DeVilbiss Turboclean Model TL-1276 Waterwash Design Spray Booth are:</p> <p style="margin-left: 20px;">A. VOC: 10 lb/hr, 10 lb/day, and 1.83 tons/year</p> <p style="margin-left: 20px;">B. PM: 0.59 lb/hr, 0.59 lb/day, and 0.11 tons/year [P 104-0074 Part A]</p> <p>b. <u>Monitoring and Testing Requirements</u> None.</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall maintain records of PM and VOC emissions for the Binks and DeVilbiss spray booths. Records shall be kept on site at all times, shall be made available to the commissioner upon request and shall contain the following information:</p> <p style="margin-left: 20px;">A. VOCs emitted on a daily, monthly and yearly basis.</p> <p style="margin-left: 20px;">B. Annual VOC emissions shall be based on any consecutive 12 month period and shall be determined by adding the current month's VOC emissions to that of the previous 11 months. This calculation shall be made on a monthly basis. Calculations to show compliance with the pound per day limit shall be made on a daily basis. To show compliance with the premises conditions, calculations shall be made on a monthly and yearly basis for all premises wide miscellaneous metal parts spray coating operations. [P 104-0073 & 74 Part F]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. The Permittee shall report annual PM and VOC emissions for each spray booth in the annual emission statement. [RCSA §22a-174-4(d)(1)]</p>

Section III: Applicable Requirements and Compliance Demonstration

H. GROUPED EMISSIONS UNIT 12

Table III.H: GROUPED EMISSIONS UNIT 12

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
1. Coating Usage	<p>a. <u>Limitations or Restrictions</u></p> <ul style="list-style-type: none"> i. Type of Coatings Applied: Specialty coatings as defined by 40 CFR 63, Subpart GG and EPA Control Techniques Guideline: Control of Volatile Organic Compound Emissions from Coating Operations at Aerospace Manufacturing and Rework Operations (EPA-453/R-97-004). [P 104-0126 & 139 Part II.A.1] ii. Maximum VOC Content of Specialty Coatings as Applied (excluding water and exempt VOCs: Not to exceed VOC content limits as defined in section B.3(a)(1) of EPA Control Techniques Guideline: Control of Volatile Organic Compound Emissions from Coating Operations at Aerospace Manufacturing and Rework Operations. [P 104-0126 & 139 Part II.A.2] iii. Maximum Application Rate: 1.8 gal/hr. [P 104-0126 Part II.A.3] iv. Type of Cleaners Used: All solvent cleaners used shall comply with 40 CFR 63.744 and section B.3(c) of the EPA Control Techniques Guideline: Control of Volatile Organic Compound Emissions from Coating Operations at Aerospace Manufacturing and Rework Operations. [P 104-0126 Part II.A.4 and P 104-0139 Part II.A.3] <p>b. <u>Monitoring and Testing Requirements</u> None.</p> <p>c. <u>Record Keeping Requirements</u></p> <ul style="list-style-type: none"> i. The Permittee shall maintain records of all coatings (as applied) and cleaners used. Such records shall contain the following information along with records required by 40 CFR 63.753 and section B.4 of the EPA Control Techniques Guideline: Control of Volatile Organic Compound Emissions from Coating Operations at Aerospace Manufacturing and Rework Operations: (A) A current list of coatings in use with category and VOC content less water and less exempt VOC as applied; (B) A current list of cleaners in use with VOC content less water and less exempt VOC as applied; (C) Solids content as applied. [P 104-0126 Part III.A.1 and P 104-0139 Part IV.A.1] ii. The Permittee shall keep the following records hourly, daily and monthly: (A) Date of application; (B) Method of coating application; (C) Name of coating or cleaner used; (D) Amount of each coating used. [P 104-0126 Part III.A.2 and P 104-0139 Part IV.A.2] <p>d. <u>Reporting Requirements</u></p> <ul style="list-style-type: none"> i. The Permittee shall report annual total coating and cleaner usage for each spray booth in the annual emission statement. [RCSA §22a-174-4(d)(1)]

Section III: Applicable Requirements and Compliance Demonstration

Table III.H: EMISSIONS UNIT 12, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
2. PM-10 & VOC Emissions	<p>a. <u>Limitations or Restrictions</u></p> <p>i. The PM-10 and VOC emissions limits for the ATR surface coating operation (BT 541944) are: A. PM-10: 0.13 lb/hr, 1.03E-2 tpy B. VOC: 7.17 lb/hr, 4.14.tpy [P 104-0126 Part II.C.1]</p> <p>ii. The PM-10 and VOC emissions limits for the ATR paint spray booth (BT 542361) are: A. PM-10: 0.59 lb/hr, 0.11 tpy B. VOC: 10.0 lb/hr, 1.83.tpy Note: Permits 104-0073, 74 and 139 combined VOC and PM emissions shall not exceed these allowable emission rates for VOC and PM. [P 104-0139 Part II.C.1]</p> <p>b. <u>Monitoring and Testing Requirements</u> None.</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall keep the following records hourly, daily and monthly: (A) Amount of VOC emitted (lb or ton); and, (B) Amount of PM-10 emitted (lb or ton). Additionally, the 12 month record of VOC and particulate emissions shall be determined by adding the current month's record to that of the previous 11 months. These calculations shall be made on a monthly basis. [P 104-0126 Part III.A.2 and P 104-0139 Part IV.A.2]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. The Permittee shall report annual PM-10 and VOC emissions for each spray booth in the annual emission statement. [RCSA §22a-174-4(d)(1)]</p>

Section III: Applicable Requirements and Compliance Demonstration

I. GROUPED EMISSIONS UNITS 17

Table III.I: GROUPED EMISSIONS UNITS 17	
Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
1. Fuel Consumption	<ul style="list-style-type: none"> a. <u>Limitations or Restrictions</u> <ul style="list-style-type: none"> i. The maximum fuel consumption for Rentech boiler 1 over any consecutive 12 month period is 425.6 million cubic feet of natural gas and 1,457,217 gallons of No. 2 oil. [P 104-0140 Part I.A.2] ii. The maximum fuel consumption for Rentech boiler 2 over any consecutive 12 month period is 425.6 million cubic feet of natural gas and 1,457,217 gallons of No. 2 oil. [P 104-0141 Part I.A.2] b. <u>Monitoring and Testing Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall use a non-resettable totalizing fuel metering device or a billing meter to continuously monitor natural gas and No. 2 oil feed to the Rentech boilers. [P 104-0140, 141 Part IV.A.1] c. <u>Record Keeping Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall keep records of annual fuel consumption for the Rentech boilers. Annual fuel consumption shall be based on any consecutive 12 month time period and shall be determined by adding (for each fuel) the current month's fuel usage to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P 104-0140, 141 Part IV.B.1] d. <u>Reporting Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall report annual fuel consumption for each Rentech boiler in the annual emission statement. [RCSA §22a-174-4(d)(1)]

Section III: Applicable Requirements and Compliance Demonstration

Table III.I: GROUPED EMISSIONS UNITS 17, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
2. Sulfur Content	<p>a. <u>Limitations or Restrictions</u></p> <p>i. The fuel sulfur content (% by weight, dry basis) limit for each Rentech boiler is 0.05%. [P 104-0140, 141 Part I.A.3]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <p>None</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall make and keep records of the sulfur content of each shipment of liquid fuel received at the Middletown plant, either by (A) a shipping receipt and certification from the fuel supplier, or (B) performing an analysis using the method found in ASTM D4294, or (C) a copy of a current fuel supplier contract. Records for a fuel certification and analysis shall include the following information: the date of delivery, the name of the fuel supplier, type of fuel delivered, the percentage of sulfur in such fuel, by weight, dry basis, and the method used to determine the sulfur content of such fuel. Records for a current contract shall include the following information: the name of the fuel supplier, type or grade of fuel delivered and the maximum percentage of sulfur in such fuel, by weight, dry basis. [P 104-0140, 141 Part IV.B.2]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. The Permittee shall report average contractual sulfur content for the No. 2 oil burned in the Rentech boilers in the annual emission statement. [RCSA §22a-174-4(d)(1)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.I: GROUPED EMISSIONS UNITS 17, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
3. Particulate Matter	<p>a. <u>Limitations or Restrictions</u></p> <p>i. On or after the date on which the initial performance test is completed or is required to be completed, whichever date comes first, the Permittee shall not cause to be discharged into the atmosphere from each Rentech boiler any gases that contain particulate matter emissions in excess of 0.030 lb/MMBtu heat input. [40 CFR §60.43c(e)(1)] The PM and opacity standards under 40 CFR §60.43c apply at all times, except during periods of startup, shutdown, or malfunction. [40 CFR §60.43c(d)]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <p>i. The Permittee shall conduct an initial performance test for each Rentech boiler as required under 40 CFR §60.8, and shall conduct subsequent performance tests as requested by the Administrator, to determine compliance with the standards using the following procedures and reference methods.</p> <p>A. Method 1 shall be used to select the sampling site and the number of traverse sampling points.</p> <p>B. Method 3 shall be used for gas analysis when applying Method 5, Method 5B, or Method 17.</p> <p>C. Method 5, Method 5B, or Method 17 shall be used to measure the concentration of PM as follows: (1) Method 5 may be used only at affected facilities without wet scrubber systems. (2) Method 17 may be used at affected facilities with or without wet scrubber systems provided the stack gas temperature does not exceed a temperature of 160 °C (320 °F). The procedures of Sections 8.1 and 11.1 of Method 5B may be used in Method 17 only if Method 17 is used in conjunction with a wet scrubber system. Method 17 shall not be used in conjunction with a wet scrubber system if the effluent is saturated or laden with water droplets. (3) Method 5B may be used in conjunction with a wet scrubber system.</p> <p>D. The sampling time for each run shall be at least 120 minutes and the minimum sampling volume shall be 1.7 dry standard cubic meters (dscm) [60 dry standard cubic feet (dscf)] except that smaller sampling times or volumes may be approved by the Administrator when necessitated by process variables or other factors.</p> <p>E. For Method 5 or Method 5B, the temperature of the sample gas in the probe and filter holder shall be monitored and maintained at 160 ±14 °C (320 ±25 °F).</p> <p>F. For determination of PM emissions, an oxygen or carbon dioxide measurement shall be obtained simultaneously with each run of Method 5, Method 5B, or Method 17 by traversing the duct at the same sampling location.</p> <p>G. For each run using Method 5, Method 5B, or Method 17, the emission rates expressed in ng/J (lb/million Btu) heat input shall be determined using: (1) The oxygen or carbon dioxide measurements and PM measurements obtained under this section, (2) The dry basis F-factor, and (3) The dry basis emission rate calculation procedure contained in Method 19 (appendix A).</p> <p>[40 CFR §60.45c(a)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.I: GROUPED EMISSIONS UNITS 17, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
3. Particulate Matter, continued	<p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall keep all records required by this permit for a period of no less than five years and shall submit such records to the commissioner upon request. [P 104-0140, 141 Part IV.B.3]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. An acceptable test report must be submitted to the Bureau within 45 days of the completion of emission testing. [P 104-0140, 141 Appendix B]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.I: GROUPED EMISSIONS UNITS 17, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
4. Opacity	<p>a. <u>Limitations or Restrictions</u></p> <p>i. On and after the date on which the initial performance test is completed or required to be completed, whichever date comes first, the Permittee shall not cause to be discharged into the atmosphere from each Rentech boiler any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. [40 CFR §60.43c(c)] The PM and opacity standards under 40 CFR §60.43c apply at all times, except during periods of startup, shutdown, or malfunction. [40 CFR §60.43c(d)]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <p>i. The Permittee shall conduct an initial performance test as required under 40 CFR §60.8, and shall conduct subsequent performance tests as requested by the Administrator, to determine compliance with the standards using the following procedures and reference methods.</p> <p>A. Method 9 (6-minute average of 24 observations) shall be used for determining the opacity of stack emissions. [40 CFR §60.45c(a)]</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall keep all records required by this permit for a period of no less than five years and shall submit such records to the commissioner upon request. [P 104-0140, 141 Part IV.B.3]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. An acceptable test report must be submitted to the Bureau within 45 days of the completion of emission testing. [P 104-0140, 141 Appendix B]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.I: GROUPED EMISSIONS UNITS 17, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
5. Nitrogen Oxides	<p>a. <u>Limitations or Restrictions</u></p> <p>i. The Permittee shall meet the nitrogen oxide emission limitation for each Rentech boiler of 0.20 lb/MMBTU when operating on natural gas or No. 2 oil. [RCSA §22a-174-22(e)(Table 22-1)]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <p>i. The Permittee shall conduct an emission test of the Rentech boiler to demonstrate compliance with RCSA §22a-174-22. Each such emission test shall be conducted in accordance with RCSA §22a-174-5. Compliance with the emission limitations of RCSA §22a-174-22 shall be determined based on the average of three one-hour tests, each performed over a consecutive 60-minute period. Any analysis of nitrogen content conducted as part of such emission testing shall be in accordance with Method D-3228 of the American Society for the Testing of Materials. If the commissioner determines that three one-hour tests are not reasonable given the location, configuration or operating conditions of a stationary source, the commissioner may approve testing where compliance with the emission limitations of RCSA §22a-174-22 shall be determined based on the average of four 15-minute tests, each performed over a consecutive 15-minute period. Any owner or operator of a stationary source who has not installed and operated a continuous emissions monitor at such source shall conduct emission testing once every five years from the date of the previous test or five years from the date the previous test was due, whichever is earlier. [RCSA §22a-174-22(k)(1)]</p> <p>ii. The Permittee shall demonstrate compliance with emission limitations of RCSA §22a-174-22 using sampling and analytical procedures approved under 40 CFR 60, Appendix A, or under procedures in RCSA §22a-174-5(d). Sampling shall be conducted when the source is at normal operating temperature and, unless allowed otherwise by the commissioner in a permit or order, is operating at or above ninety percent (90%) of maximum capacity. [RCSA §22a-174-22(k)(2)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.I: GROUPED EMISSIONS UNITS 17, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
5. Nitrogen Oxides, continued	<p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall keep the following records:</p> <ul style="list-style-type: none"> A. Records of all tune-ups, repairs, replacement of parts and other maintenance; B. Copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22; C. Records of the dates, times, and places of all emission testing required by RCSA §22a-174-22, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing; and D. Any other records or reports required by an order or permit issued by the commissioner pursuant to RCSA §22a-174-22. [RCSA §22a-174-22(1)(D), (E), (H) & (J)] <p>ii. The Permittee shall retain all records and reports produced pursuant to the requirements of RCSA §22a-174-22 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 source, unless the commissioner approves in writing the use of another location in the State. [RCSA §22a-174-22(1)(5)]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. Within 30 days of the completion of emission tests conducted under the requirements of RCSA §22a-174-22(k)(1), the Permittee shall submit a written report of the results of such testing to the commissioner. [RCSA §22a-174-22(1)(2)]</p> <p>ii. On or before April 15 of each year, the Permittee shall submit a report on NO_x emissions from such source, on a form provided by the commissioner. [RCSA §22a-174-22(1)(6)] The Permittee shall comply with this requirement by reporting NO_x emissions for this emission unit in the annual emissions statement.</p>

Section III: Applicable Requirements and Compliance Demonstration

J. EMISSIONS UNIT 18

Table III.J: EMISSIONS UNIT 18	
Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
1. Fuel Consumption	<ul style="list-style-type: none"> a. <u>Limitations or Restrictions</u> <ul style="list-style-type: none"> i. The maximum fuel consumption for the Solar gas turbine over any consecutive 12 month period is 726.06 million cubic feet of natural gas and 539,140 gallons of No. 2 oil. [P 104-0142 Part I.A.2] b. <u>Monitoring and Testing Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall use a non-resettable totalizing fuel metering device or a billing meter to continuously monitor natural gas and No. 2 oil feed to the Solar gas turbine. [P 104-0142 Part IV.A.1] c. <u>Record Keeping Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall keep records of annual fuel consumption. Annual fuel consumption shall be based on any consecutive 12 month time period and shall be determined by adding (for each fuel) the current month's fuel usage to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P 104-0142 Part IV.B.1] d. <u>Reporting Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall report annual natural gas and No. 2 oil consumption for the Solar gas turbine in the annual emission statement. [RCSA §22a-174-4(d)(1)]

Section III: Applicable Requirements and Compliance Demonstration

Table III.J: EMISSIONS UNIT 18, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
2. Sulfur Content	<p>a. <u>Limitations or Restrictions</u></p> <p>i. The fuel sulfur content (% by weight, dry basis) limit for the No. 2 oil for the Solar gas turbine is 0.05%. [P 104-0142 Part I.A.3]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <p>None. The Permittee is exempted from monitoring the total sulfur content of the fuel because the sulfur content of No. 2 oil is limited to 0.05 weight percent and will be verified by a current, valid purchase contract, tariff sheet or transportation contract for the fuel. [40 CFR §60.4365(a)]</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall make and keep records of the sulfur content of each shipment of liquid fuel received at the Middletown plant, either by (A) a shipping receipt and certification from the fuel supplier, or (B) performing an analysis using the method found in ASTM D4294, or (C) a copy of a current fuel supplier contract. Records for a fuel certification and analysis shall include the following information: the date of delivery, the name of the fuel supplier, type of fuel delivered, the percentage of sulfur in such fuel, by weight, dry basis, and the method used to determine the sulfur content of such fuel. Records for a current contract shall include the following information: the name of the fuel supplier, type or grade of fuel delivered and the maximum percentage of sulfur in such fuel, by weight, dry basis. [P 104-0142 Part IV.B.2]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. The Permittee shall report the average contractual sulfur content for the No. 2 oil in the annual emission statement. [RCSA §22a-174-4(d)(1)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.J: EMISSIONS UNIT 18, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
3. Nitrogen Oxides	<p>a. <u>Limitations or Restrictions</u></p> <ul style="list-style-type: none"> i. The NO_x emission limit for the Solar gas turbine is 2.5 ppmvd @ 15% O₂ at ISO standard conditions when operating on natural gas. [P 104-0142 Part VI] ii. The NO_x emission limit for the Solar gas turbine is 9.6 ppmvd @ 15% O₂ at ISO standard conditions when operating on No. 2 oil. [P 104-0142 Part VI] <p>b. <u>Monitoring and Testing Requirements</u></p> <ul style="list-style-type: none"> i. Continuous compliance for NO_x may be demonstrated through annual performance tests in accordance with 40 CFR §60.4400. If the NO_x emission result from the performance test is less than or equal to 75% of the NO_x emission limits in Table 1 of 40 CFR Part 60 Subpart KKKK for the turbine, the frequency of subsequent performance tests may be reduced to once every two years. [P 104-0142 Part VII and 40 CFR §60.4340(a)] <p>c. <u>Record Keeping Requirements</u></p> <ul style="list-style-type: none"> i. The Permittee shall keep all records required by this permit for a period of no less than five years and shall submit such records to the commissioner upon request. [P 104-0142 Part IV.B.3] <p>d. <u>Reporting Requirements</u></p> <ul style="list-style-type: none"> i. The Permittee shall submit an acceptable test report to the Bureau within 45 days of the completion of emission testing. [P 104-0142 Appendix B] ii. The Permittee must submit a written report to the Administrator of the results of each performance test before the close of business on the 60th day following the completion of the performance test. [40 CFR §60.4375(b)]

Section III: Applicable Requirements and Compliance Demonstration

Table III.J: EMISSIONS UNIT 18, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
4. Ammonia	<ul style="list-style-type: none"> a. <u>Limitations or Restrictions</u> <ul style="list-style-type: none"> i. The ammonia emissions limit for the Solar gas turbine is 5 ppmvd @15% O₂ at ISO standard conditions. [P 104-0142 Part VI] b. <u>Monitoring and Testing Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall conduct stack emission testing for ammonia every four years from date of initial performance test. [P 104-0142 Part VII] c. <u>Record Keeping Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall keep all records required by this permit for a period of no less than five years and shall submit such records to the commissioner upon request. [P 104-0142 Part IV.B.3] d. <u>Reporting Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall submit an acceptable test report to the Bureau within 45 days of the completion of emission testing. [P 104-0142 Appendix B]

Section III: Applicable Requirements and Compliance Demonstration

K. EMISSIONS UNIT 19

Table III.K: EMISSIONS UNIT 19, continued	
Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
1. Fuel Consumption	<ul style="list-style-type: none"> a. <u>Limitations or Restrictions</u> <ul style="list-style-type: none"> i. The maximum fuel consumption for Cleaver Brooks D-68 boiler over any consecutive 12 month period is 2,595,500 gallons of No. 2 oil. [P 104-0036 Part I.A.2] b. <u>Monitoring and Testing Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall use a non-resettable totalizing fuel metering device or a billing meter to continuously monitor No. 2 oil feed to the Cleaver Brooks D-68 boiler. [P 104-0036 Part IV.A.1] c. <u>Record Keeping Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall keep records of annual fuel consumption for the Cleaver Brooks D-68 boiler. Annual fuel consumption shall be based on any consecutive 12 month time period and shall be determined by adding the current month's fuel usage to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P 104-0036 Part IV.B.1] d. <u>Reporting Requirements</u> <ul style="list-style-type: none"> i. The Permittee shall report annual fuel usage for the Cleaver Brooks D-68 boiler in the annual emission statement. [RCSA §22a-174-4(d)(1)]

Section III: Applicable Requirements and Compliance Demonstration

Table III.K: EMISSIONS UNIT 19, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
2. Sulfur Content	<p>a. <u>Limitations or Restrictions</u></p> <p>i. The fuel sulfur content (% by weight, dry basis) limit for the Cleaver Brooks D-68 boiler is 0.05%. [P 104-0036 Part I.A.3]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <p>None</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall make and keep records of the sulfur content of each shipment of liquid fuel received at the Middletown plant, either by (A) a shipping receipt and certification from the fuel supplier, or (B) performing an analysis using the method found in ASTM D4294, or (C) a copy of a current fuel supplier contract. Records for a fuel certification and analysis shall include the following information: the date of delivery, the name of the fuel supplier, type of fuel delivered, the percentage of sulfur in such fuel, by weight, dry basis, and the method used to determine the sulfur content of such fuel. Records for a current contract shall include the following information: the name of the fuel supplier, type or grade of fuel delivered and the maximum percentage of sulfur in such fuel, by weight, dry basis. [P 104-0036 Part IV.B.2]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. The Permittee shall report the average contractual sulfur content of the No. 2 oil burned in the Cleaver Brooks D-68 boiler in the annual emission statement. [RCSA §22a-174-4(d)(1)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.K: EMISSIONS UNIT 19, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
3. Nitrogen Oxides	<p>a. <u>Limitations or Restrictions</u></p> <ul style="list-style-type: none"> i. The Permittee shall meet the nitrogen oxide emission limitations for the Cleaver Brooks D-68 boiler of 0.20 lb/MMBTU when firing No. 2 oil. [RCSA §22a-174-22(e)(Table 22-1)] ii. The Permittee may use NO_x DERCs or NO_x allowances or both to comply with the applicable emission limitation contained in RCSA §22a-174-22(e) pursuant to a permit or order issued by the commissioner. [RCSA §22a-174-22(j)(1)] <p>b. <u>Monitoring and Testing Requirements</u></p> <ul style="list-style-type: none"> i. The Permittee shall conduct an emission test of the Cleaver Brooks D-68 boiler to demonstrate compliance with RCSA §22a-174-22. Each such emission test shall be conducted in accordance with RCSA §22a-174-5. Compliance with the emission limitations of RCSA §22a-174-22 shall be determined based on the average of three one-hour tests, each performed over a consecutive 60-minute period. Any analysis of nitrogen content conducted as part of such emission testing shall be in accordance with Method D-3228 of the American Society for the Testing of Materials. If the commissioner determines that three one-hour tests are not reasonable given the location, configuration or operating conditions of a stationary source, the commissioner may approve testing where compliance with the emission limitations of this section shall be determined based on the average of four 15-minute tests, each performed over a consecutive 15-minute period. Any owner or operator of a stationary source who has not installed and operated a continuous emissions monitor at such source shall conduct emission testing once every five years from the date of the previous test or five years from the date the previous test was due, whichever is earlier. [RCSA §22a-174-22(k)(1)] ii. The Permittee shall demonstrate compliance with emission limitations of RCSA §22a-174-22 using sampling and analytical procedures approved under 40 CFR 60, Appendix A, or under procedures in RCSA §22a-174-5(d). Sampling shall be conducted when the source is at normal operating temperature and, unless allowed otherwise by the commissioner in a permit or order, is operating at or above ninety percent (90%) of maximum capacity for a fuel-burning source. [RCSA §22a-174-22(k)(2)]

Section III: Applicable Requirements and Compliance Demonstration

Table III.K: EMISSIONS UNIT 19, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
3. Nitrogen Oxides, continued	<p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall keep the following records:</p> <ul style="list-style-type: none"> A. Records of all tune-ups, repairs, replacement of parts and other maintenance; B. Copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22; C. Records of the dates, times, and places of all emission testing required by RCSA §22a-174-22, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing; and D. Any other records or reports required by an order or permit issued by the commissioner pursuant to RCSA §22a-174-22. [RCSA §22a-174-22(1)(1)(D), (E), (H) & (J)] <p>ii. The Permittee shall retain all records and reports produced pursuant to the requirements of RCSA §22a-174-22 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 source, unless the commissioner approves in writing the use of another location in the State. [RCSA §22a-174-22(1)(5)]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. Within 30 days of the completion of emission tests conducted under the requirements of RCSA §22a-174-22(k)(1), the Permittee shall submit a written report of the results of such testing to the commissioner. [RCSA §22a-174-22(1)(2)]</p> <p>ii. On or before April 15 of each year, the Permittee shall submit a report on NOx emissions from such source, on a form provided by the commissioner. [RCSA §22a-174-22(1)(6)] The Permittee shall comply with this requirement by reporting NOx emissions for this emission unit in the annual emissions statement.</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.K: EMISSIONS UNIT 19, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
4. Trading Agreement and Order 8134A	<p>a. <u>Limitations or Restrictions</u></p> <p>i. The commissioner allows P&W to comply with RCSA §22a-174-22 through use of DERC trading for the Cleaver Brooks D-68 boiler to achieve the NOx emission reduction required by RCSA §22a-174-22(d)(1). [Trading Agreement and Order 8134A Section B]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <p>i. In accordance with RCSA §22a-174-22(k), P&W shall conduct NOx emission tests of the Cleaver Brooks D-68 boiler at least once every five years. Such NOx emission test shall be conducted prior to five years from the date of the last test for each such unit. [Trading Agreement and Order 8134A Section C.6]</p> <p>ii. P&W shall monitor hourly steam production. [Trading Agreement and Order 8134A Section C.7]</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. Until P&W achieves compliance with the emission standards in RCSA §22a-174-22(e), P&W shall acquire and retire approved DERCs and shall document and record the amounts of all fuel and DERCs used by the Cleaver Brooks D-68 boiler each month, and provide such records in accordance with the following and RCSA §22a-174-22:</p> <p>A. DERC Shortfall. At a minimum, DERCs required shall be adjusted upwards by 100% if DERCs are not in P&W's possession prior to the first day of each month or applicable season.</p> <p>B. No later than the twentieth day of each month, P&W shall calculate and permanently retire DERCs used in the preceding calendar month for the Cleaver Brooks D-68 boiler, as follows:</p> <p style="padding-left: 40px;">Boiler DERCs (in tons) = $(((\text{FLER in lb/MMBtu}) - (0.95 \times \text{NOx allowable rate in lb/MMBtu})) \times (\text{fuel use in MMBtu})) / 2000 \text{ pounds/ton}$</p> <p style="padding-left: 40px;">Where:</p> <p style="padding-left: 80px;">NOx allowable rate = RACT rate = 0.25 lb/MMBTU for No. 6 oil</p> <p style="padding-left: 80px;">FLER = full load emission rate = 0.44 lb/MMBTU for No. 6 oil</p> <p style="padding-left: 80px;">Discount (0.95) = 5% design margin applied to the allowable rate</p> <p>C. Document and record monthly consumption of fuel and DERCs;</p> <p>D. Retain records and supporting documents for a minimum of five years, commencing on the date such records were created;</p> <p>E. Maintain documentation to attest to the fact that DERCs used during the ozone season were generated during the ozone season. The ozone season is from May 1 through September 30 in any calendar year. Generator certification of this fact shall be sufficient.</p> <p>[Trading Agreement and Order 8134A Section C.1.a, b, c, e & f]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.K: EMISSIONS UNIT 19, continued

Pollutants or Process Parameters	Limitations or Restrictions and Compliance Demonstration Requirements
4. Trading Agreement and Order 8134A, continued	<ul style="list-style-type: none"> c. <u>Record Keeping Requirements, continued</u> <ul style="list-style-type: none"> ii. P&W shall make and keep records of hourly steam production. [Trading Agreement and Order 8134A Section C.7] d. <u>Reporting Requirements</u> <ul style="list-style-type: none"> i. No later than March 1, of each year that Trading Agreement and Order 8134A is in effect, P&W shall include with its annual emissions statement report to the commissioner, the monthly rate of fuel consumption for the Cleaver Brooks D-68 boiler and DERCs used by the Cleaver Brooks D-68 boiler for the previous calendar year. [Trading Agreement and Order 8134A Section C.1.d.] ii. Within 30 days after completing any emissions testing required by Trading Agreement and Order 8134A, P&W shall submit to the commissioner a written report providing the results of such testing; within 15 days of a notice from the commissioner indicating any deficiencies in such report, P&W shall submit a revised report. [Trading Agreement and Order 8134A Section C.8.e.]

Section III: Applicable Requirements and Compliance Demonstration

L. PREMISES-WIDE GENERAL REQUIREMENTS

Table III.L: PREMISES-WIDE GENERAL REQUIREMENTS		
Pollutants or Process Parameters	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
Permitting Requirements	RCSA §22a-174-2a	1. The Permittee shall comply with the procedural requirements for new source review and Title V permitting as set forth in RCSA §22a-174-2a.
Emission Statements	RCSA §22a-174-4	2. The Permittee shall submit annual emission statements to the commissioner as set forth in RCSA §22a-174-4(d)(1).
Test Methods	RCSA §22a-174-5	3. The Permittee shall comply with methods for sampling, emission testing, sample analysis, and reporting as set forth in RCSA §22a-174-5.
Emergency Episodes	RCSA §22a-174-6	4. The Permittee shall comply with the procedures for emergency episodes as set forth in RCSA §22a-174-6.
Control Equipment	RCSA §22a-174-7	5. The Permittee shall comply with the procedures for air pollution control equipment and monitoring equipment operation as set forth in RCSA §22a-174-7.
Prohibition of Air Pollution	RCSA §22a-174-9	6. The Permittee shall comply with the requirement to prevent air pollution as set forth in RCSA §22a-174-9.
Public Availability of Information	RCSA §22a-174-10	7. The public availability of information shall apply, as set forth in RCSA §22a-174-10.
Prohibition Against Concealment/ Circumvention	RCSA §22a-174-11	8. The Permittee shall comply with the prohibition against concealment or circumvention as set forth in RCSA §22a-174-11.
Severability	RCSA §22a-174-15	9. Severability shall apply as set forth in RCSA §22a-174-15.
General Compliance	RCSA §22a-174-16	10. The Permittee has the responsibility to comply with applicable regulations as set forth in RCSA §22a-174-16.

Section III: Applicable Requirements and Compliance Demonstration

Table III.L: PREMISES-WIDE GENERAL REQUIREMENTS, continued		
Pollutants or Process Parameters	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
Particulate Emissions	RCSA §22a-174-18	11. The Permittee shall comply with the standards for control of particulate matter and visible emissions as set forth in RCSA §22a-174-18. (RCSA §22a-174-18(j) is a STATE-ONLY REQUIREMENT)
Sulfur Compound Emissions	RCSA §22a-174-19	12. The Permittee shall comply with the standards for control of sulfur compound emissions as set forth in RCSA §22a-174-19.
Organic Compound Emissions	RCSA §22a-174-20	13. The Permittee shall comply with the standards for control of volatile organic compound emissions as set forth in RCSA §22a-174-20.
Nitrogen Oxide Emissions	RCSA §22a-174-22	14. The Permittee shall comply with the standards for control of nitrogen oxide emissions as set forth in RCSA §22a-174-22.
Emission Fees	RCSA §22a-174-26	15. The Permittee shall pay an emission fee as set forth in RCSA §22a-174-26.
VOC RACT	RCSA §22a-174-32	16. The Permittee shall comply with the standards for Reasonably Available Control Technology (RACT) for volatile organic compounds as set forth in RCSA §22a-174-32 by complying with the Control Techniques Guideline: Control of Volatile Organic Compound Emissions from Coating Operations at Aerospace Manufacturing and Rework Operations (EPA-453/R-97-004).
VOC emissions from Miscellaneous Metal Parts Surface Coating Operations	P 104-0073 & 74 Parts D & F P 104-0126 Parts IV.B & III.A.2 & 3 P 104-0139 Parts VI.B & IV.A.2 & 3	17. Premises-wide VOC emissions from all miscellaneous metal parts surface coating operations shall not exceed 1,666 pounds in any calendar month. The Permittee shall keep records of the coatings and cleaners used, amount of consumption and the VOC emissions on a monthly basis from all miscellaneous metal parts surface coating operations on the premises. The Permittee shall report annual VOC emissions from all miscellaneous metal parts surface coating operations on the premises in the annual emission statement.
Small Steam Generating Unit NSPS	40 CFR 60, Subpart Dc	18. The Permittee shall comply with the New Source Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Units as specified in 40 CFR 60, Subpart Dc.

Section III: Applicable Requirements and Compliance Demonstration

Table III.L: PREMISES-WIDE GENERAL REQUIREMENTS, continued		
Pollutants or Process Parameters	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
Stationary Combustion Turbines NSPS	40 CFR 60, Subpart KKKK	19. The Permittee shall comply with the New Source Performance Standards for Stationary Combustion Turbines as specified in 40 CFR 60, Subpart KKKK.
Stationary Combustion Turbines NESHAP	40 CFR 63, Subpart YYYY	20. The Permittee shall comply with the National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines as specified in 40 CFR 63, Subpart YYYY.
Aerospace NESHAP	40 CFR 63, Subpart GG	21. The Permittee shall comply with the National Emission Standards for Hazardous Air Pollutants for Aerospace Manufacturing and Rework Facilities as specified in 40 CFR 63, Subpart GG.
Asbestos NESHAP	40 CFR 61, Subpart M	22. The Permittee shall comply with the National Emission Standards for Hazardous Air Pollutants for Asbestos as specified in 40 CFR 61, Subpart M.
Site Remediation	40 CFR Part 63 Subpart GGGGG	23. The Permittee shall comply with the National Emission Standards for Hazardous Air Pollutants for Site Remediation 1 MG exemption record keeping requirements, as specified in 40 CFR 63, Subpart GGGGG.
Protection of Stratospheric Ozone	40 CFR Part 82 Subpart F	24. The Permittee shall comply with the standards for recycling and emissions reduction of products using ozone depleting substances.

Section III: Applicable Requirements and Compliance Demonstration

M. WORK PRACTICE STANDARDS AND OPERATION AND MAINTENANCE PRACTICES

Table III.M: Work Practice Standards and Operation and Maintenance Practices		
Emissions Unit	Applicable Regulatory References/Citations	Work/O&M Practice Requirements
GEU-3, EU-4, EU-5, EU-6, GEU-11, GEU-17 & EU-18 EU-19	P 104-0028,29 Part VIII.4 P 104-0027 Part VIII.4 P 104-0062 Part VIII.A P 104-0030 Part VIII.4 P 104-0073, 74 Part C P 104-0140, 141 Part V.A P 104-0142 Part V.A P 104-0036 Part VII.A	1. The Permittee shall operate and maintain this equipment in accordance with the manufacturer's specifications and written recommendations.
EU-16	P 104-0139 Part VI.E	2. The Permittee shall cover all open drums and vessels that contain solvents, cleaners, coatings, or cleaning rags so as to minimize the amount of VOCs emitted to the atmosphere. Empty containers shall be disposed of in a manner consistent with handling techniques for hazardous materials, as applicable.
EU-18	P 104-0142 Part V.B	3. The Permittee shall properly operate the control equipment at all times that this turbine is in operation and emitting air pollutants.
EU-18	P 104-0142 Part IV.A.2	4. The Permittee shall inspect the SCR catalyst once per year, at a minimum, and replace it as required through the monitoring of the catalyst test pieces.

Section III: Applicable Requirements and Compliance Demonstration

Table III.M: Work Practice Standards and Operation and Maintenance Practices, continued

Emissions Unit	Applicable Regulatory References/Citations	Work/O&M Practice Requirements
Premises-wide	40 CFR 63, Subpart GG	<p>5. The Permittee shall comply with the following housekeeping measures for the cleaning operation unless the cleaning solvent used is identified in 40 CFR §63.744 Table 1 or contains HAP and VOC below the de minimis levels specified in 40 CFR §63.741(f).</p> <ul style="list-style-type: none"> a. Place cleaning solvent-laden cloth, paper, or any other absorbent applicators used for cleaning in bags or other closed containers upon completing their use. Ensure that these bags and containers are kept closed at all times except when depositing or removing these materials from the container. Use bags and containers of such design so as to contain the vapors of the cleaning solvent. Cotton tipped swabs used for very small cleaning operations are exempt from this requirement. b. Store fresh and spent cleaning solvents, except semi-aqueous solvent cleaners, used in aerospace cleaning operations in closed containers. c. Conduct the handling and transfer of cleaning solvents to or from enclosed systems, vats, waste containers and other cleaning operation equipment that hold or store fresh or spent cleaning solvents in such a manner that minimizes spills. <p>[40 CFR §63.744(a)]</p>
Premises-wide	40 CFR 63, Subpart GG	<p>6.a. <u>Limitations or Restrictions</u></p> <ul style="list-style-type: none"> i. The Permittee shall use cleaning solvents for the hand-wipe cleaning operation 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)] <ul style="list-style-type: none"> A. Meet one of the composition requirements in 40 CFR §63.744 Table 1. B. Have a composite vapor pressure of 45 mm Hg (24.1 inches of water) or less at 20 °C (68 °F); or C. Demonstrate that the volume of hand-wipe solvents used in cleaning operations has been reduced by at least 60% from a baseline adjusted for production. The baseline shall be established as part of an approved alternative plan administered by the State. The alternative plan shall be submitted by the State under section 112(l) of the Act, and approved by the Administrator, and shall demonstrate that the 60% volume reduction in cleaning solvents provides equivalent reductions to the requirements in 40 CFR §63.744(b)(1) or (b)(2). <p>[40 CFR §63.744(b)]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <ul style="list-style-type: none"> i. The Permittee shall monitor the solvents used for the hand-wipe cleaning operation through records of material purchases and inventory. [RCSA §22a-174-33(j)(1)(K)(ii)]

Section III: Applicable Requirements and Compliance Demonstration

Table III.M: Work Practice Standards and Operation and Maintenance Practices, continued

Emissions Unit	Applicable Regulatory References/Citations	Work/O&M Practice Requirements
Premises-wide	40 CFR 63, Subpart GG	<p>6.c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall record the following information for the hand-wipe cleaning operation, as appropriate:</p> <p>A. The name, vapor pressure, and documentation showing the organic HAP constituents of each cleaning solvent used for affected cleaning operations at the facility.</p> <p>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: The name of each cleaning solvent used; All data and calculations that demonstrate that the cleaning solvent complies with one of the composition requirements; and Annual record of the volume of each solvent used, as determined from facility purchase records or usage records.</p> <p>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): The name of each cleaning solvent used; The composite vapor pressure of each cleaning solvent used; All vapor pressure test results, if appropriate, data, and calculations used to determine the composite vapor pressure of each cleaning solvent; and The amount (in gallons) of each cleaning solvent used each month at each operation.</p> <p>D. For each cleaning solvent used for 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): The identity and amount (in gallons) of each cleaning solvent used each month at each operation; and A list of the processes set forth in 40 CFR §63.744(e) to which the cleaning operation applies. [40 CFR §63.752(b)]</p> <p>d. <u>Reporting Requirements</u></p> <p>i. The Permittee shall submit semiannual reports for the hand-wipe cleaning operation occurring every six months from the date of notification of compliance status that identify:</p> <p>A. Any instance where a noncompliant cleaning solvent is used for a non-exempt hand-wipe cleaning operation;</p> <p>B. A list of any new cleaning solvents used for hand-wipe cleaning in the previous six months and, as appropriate, their composite vapor pressure or notification that they comply with the composition requirements specified in 40 CFR §63.744(b)(1); and</p> <p>C. If the operations have been in compliance for the semiannual period, a statement that the cleaning operations have been in compliance with the applicable standards. Sources shall also submit a statement of compliance signed by a responsible company official certifying that the facility is in compliance with all applicable requirements. [40 CFR §63.753(b)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.M: Work Practice Standards and Operation and Maintenance Practices, continued

Emissions Unit	Applicable Regulatory References/Citations	Work/O&M Practice Requirements
GEU-11, 12	40 CFR 63, Subpart GG	<p>7.a. <u>Limitations or Restrictions</u></p> <p>i. The Permittee shall clean spray guns using one or more of the techniques, or their equivalent, specified in 40 CFR §63.744(c)(1) through (c)(4). 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).</p> <p>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 the solvent through the gun.</p> <p>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.</p> <p>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.</p> <p>D. Atomizing cleaning. Clean the spray gun by forcing the cleaning solution 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.</p> <p>[40 CFR §63.744(c)]</p> <p>b. <u>Monitoring and Testing Requirements</u></p> <p>i. 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)]</p> <p>c. <u>Record Keeping Requirements</u></p> <p>i. The Permittee shall record the following information for the spray gun cleaning operation:</p> <p>A. The name, vapor pressure, and documentation showing the organic HAP constituents of each cleaning solvent used for affected cleaning operations at the facility;</p> <p>B. A record of all leaks from enclosed spray gun cleaners identified pursuant to 40 CFR §63.751(a) that includes for each leak found: Source identification; Date leak was discovered; and Date leak was repaired.</p> <p>[40 CFR §63.752(b)]</p>

Section III: Applicable Requirements and Compliance Demonstration

Table III.M: Work Practice Standards and Operation and Maintenance Practices, continued

Emissions Unit	Applicable Regulatory References/Citations	Work/O&M Practice Requirements
GEU-11, 12	40 CFR 63, Subpart GG	<p>7.d. <u>Reporting Requirements</u></p> <ul style="list-style-type: none"> i. The Permittee shall submit semiannual reports for the spray gun cleaning operation occurring every six months from the date of notification of compliance status that identify: <ul style="list-style-type: none"> A. Any instance where a noncompliant spray gun cleaning method is used; B. Any instance where a leaking enclosed spray gun cleaner remains unrepaired and in use for more than ten days; and C. If the operations have been in compliance for the semiannual period, a statement that the cleaning operations have been in compliance with the applicable standards. Sources shall also submit a statement of compliance signed by a responsible company official certifying that the facility is in compliance with all applicable requirements. <p>[40 CFR §63.753(b)]</p>

Section IV: Compliance Schedule

THERE IS NO 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

Section V: State Enforceable Terms and Conditions

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

- A.** This 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 Environmental Protection or any federal, local or other state agency. Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- B.** Nothing in this 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.** Odors: The Permittee shall operate in compliance with the regulations for odor control as set forth in RCSA §22a-174-23.
- D.** Noise: The Permittee shall operate in compliance with the regulations for the control of noise as set forth in RCSA §22a-69-1 through §22a-69-7.4, inclusive.
- 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.** Open Burning: The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).
- G.** Fuel Sulfur Content: The Permittee shall not use No. 2 heating oil that exceeds three-tenths of one percent sulfur by weight as set forth in CGS §16a-21a.
- H.** Reporting of emissions of greenhouse gases: In accordance with CGS §22a-200b(e), the Permittee shall report greenhouse gas emissions to the commissioner in a format specified by the commissioner.

Section VI: Permit Shield

NO PERMIT SHIELD HAS BEEN GRANTED.

In accordance with RCSA §22a-174-33(k), a Permittee complying with the conditions of this Title V permit shall be deemed in compliance with any applicable requirements identified in Table VI below as of the date of issuance. Also, in accordance with RCSA §22a-174-33(k), a Permittee complying with the conditions of this Title V permit shall be deemed exempt from any non-applicable requirements identified below as of the date of issuance.

This permit shall not alter or affect the following:

- A. The provisions of section 303 of the Clean Air Act, including the authority of the Administrator under the Act;
- B. The liability of an owner or operator of a Title V source for any violation of applicable requirements prior to or at the effective date of a Title V permit;
- C. The applicable requirements of the acid rain program under 40 CFR Part 72; and
- D. The ability of the Administrator or commissioner to obtain information from the owner or operator of a Title V source.

TABLE VI: PERMIT SHIELD				
Regulated Pollutants	Emissions Unit	Applicable Requirement or Non-Applicable Requirement Descriptions	Applicable Regulatory References	*Applicability

***For Applicability, use AR to indicate Applicable Requirement and NR for Non-Applicable Requirement**

Section VII: Title V Requirements

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

A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR

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

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

Any submittal to the Administrator of the Environmental Protection Agency shall be in a computer-readable format and addressed to: Director, Air Compliance Program; Attn: Air Compliance Clerk; Office of Environmental Stewardship; EPA, Region 1; One Congress Street; Suite 1100 (SEA); Boston, Massachusetts 02114-2023.

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

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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)]

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, within 15 days of the date the Permittee becomes aware of a change in any information submitted to the commissioner under this Title V permit or of any change in any information contained in the application, or that any such information was inaccurate or misleading or that any relevant information was omitted, the Permittee shall submit the changed, corrected, or omitted information to the commissioner.

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

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

1. Each deviation caused by upset or control equipment deficiencies; and
2. Each deviation of a permit requirement that has been monitored by the monitoring systems required under this 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.

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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.

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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 Subsection D of Section VII 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 22a-174-33(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 (B) unless imposition of such limits is required by an applicable requirement.

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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.

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

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

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

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

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

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

V. TRANSFERS [RCSA §22a-174-2a(g)]

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

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

W. REVOCATION [RCSA §22a-174-2a(h)]

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

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

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

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

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

Y. CREDIBLE EVIDENCE

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