



Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**

**BUREAU OF AIR MANAGEMENT
TITLE V OPERATING PERMIT**

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

Title V Permit Number	130-0050-TV
Client/Sequence/Town/Premises Numbers	1672/1/130/6
Date Issued	November 8, 2022
Expiration Date	November 8, 2027

Corporation:

Kimberly-Clark Corporation, New Milford Mill

Premises Location:

58 Pickett District Road, New Milford, CT 06776-4493

Name of Responsible Official and Title:

Nathan Kenney, Mill Manager

All the following attached pages, 2 through 52, are hereby incorporated by reference into this Title V permit.

 for

Katherine S. Dykes
Commissioner

Nov. 8, 2022

Date

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Title V Operating Permit

All conditions in Sections III, IV, and VI of this Title V permit are enforceable by both the Administrator and the commissioner unless otherwise specified. Applicable requirements and compliance demonstration are set forth in Section III of this Title V permit. The Administrator or any citizen of the United States may bring an action to enforce all permit terms or conditions or requirements contained in Sections III, IV, and VI of this Title V permit in accordance with the Clean Air Act, as amended.

LIST OF ABBREVIATIONS/ACRONYMS

<i>Abbreviation/Acronym</i>	<i>Description</i>
°C	Degree Celsius
°F	Degrees Fahrenheit
CEM	Continuous Emission Monitor
CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
CO	Carbon Monoxide
EPA	Environmental Protection Agency
EU	Emissions Unit
GEU	Grouped Emissions Unit
hr	Hour
hp	Horsepower
HAP	Hazardous Air Pollutant
in. H ₂ O	Inches of Water
kW	Kilowatt
lb	Pounds
MMBtu	Million British Thermal Units
MMft ³	Million cubic feet
mm Hg	Millimeters of Mercury
NO _x	Nitrogen Oxides
NSR	New Source Review
O ₂	Oxygen
PM	Particulate Matter, all fractions
PM ₁₀	Particulate Matter, < 10 microns in size
PM _{2.5}	Particulate Matter, < 2.5 microns in size
ppm	Parts per Million
ppmvd	Parts per Million, volumetric basis, dry
psi	Pounds (force) per Square Inch
RACT	Reasonably Available Control Technology
RCSA	Regulations of Connecticut State Agencies
RICE	Reciprocating Internal Combustion Engine
RMP	Risk Management Plan
SCR	Selective Catalytic Reduction
SIC	Source Identification Code
SO ₂	Sulfur Dioxide
SOS	Standard Operating Scenario
tpy	Tons per year, based on 12 consecutive month aggregate
VOC	Volatile Organic Compound

Section I: Premises Information/Description

A. PREMISES INFORMATION

Nature of Business: Consumer Products Manufacturing
Primary SIC: 2621 – Paper Mill

Facility Mailing Address: Kimberly-Clark, New Milford Mill
58 Pickett District Road
New Milford, CT 06776-4493

Telephone Number: (860) 354-4481

B. PREMISES DESCRIPTION

Kimberly-Clark Corporation, New Milford Mill is a consumer products manufacturing and Converting facility and serves as the northeast distribution center for Kimberly-Clark products. The facility produces family care tissue products. Air emissions sources at the facility include a boiler, cogeneration equipment, tissue converting equipment, diesel fire pumps, emergency generators, fuel storage tanks, cold cleaner maintenance parts washers, and raw water and process wastewater treatment facilities.

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, Registrations or Regulations into this Title V permit.

TABLE II.A: EMISSIONS UNITS DESCRIPTION			
Emissions Unit/ Grouped Emissions Unit	Emissions Unit Description	Control Unit Description	Permit, Order, Registration, or Regulation Number
EU-3	Boiler #3: Combustion Engineering, 70.2 MMBtu/hr Boiler (Natural Gas) Construction Date: 1970 Capacity: 70.2 MMBtu/hr	Oxygen Trim, Flue Gas Recirculation	R-130-0019 RCSA §22a-174-22e
EU-4a	Tissue Machine #1 Hood Burners (Natural Gas) Construction Date: 06/14/08 Capacity: 30 MMBtu/hr	Low NO _x Burners	P-130-0026 RCSA §22a-174-22e
EU-4b	Tissue Machine #1, Tissue Manufacturing Construction Date: 1958, rebuilds in 1967 and 1989 Capacity: 12 ton/hr, combined with EU 5b	1 wet scrubber, 2 drum filters, 1 cyclone (not in series)	O-8190 RCSA §22a-174-18
EU-5a	Tissue Machine #2 Hood Burners (Natural Gas) Construction Date: 07/31/08 Capacity: 30 MMBtu/hr	Low NO _x Burners	P-130-0014 RCSA §22a-174-22e
EU 5b	Tissue Machine #2, Tissue Manufacturing Construction Date: 1958, rebuilds in 1970 and 1980 Capacity: 12 ton/hr combined with EU 4b	1 wet scrubber, 2 drum filters, 1 cyclone (not in series)	O-8190 RCSA §22a-174-18
EU-13	Multifolder #1 Construction Date: 1964 Capacity: 9.7 ton/hr combined with EU 14	Drum filters and dust collector	RCSA §22a-174-18
EU-14	Multifolder #2 Construction Date: 1979 Capacity: 9.7 ton/hr combined with EU 13	Drum filters and dust collector	RCSA §22a-174-18
EU-16	Off-Line Printer/Winder #1 Construction Date: 1992 Capacity: 3 ton/hr	Wet Scrubber	P-130-0033 RCSA §22a-174-20(q)
EU-18	Pocket Pack Line Construction Date: 1992 Capacity: n/a	Drum filters and dust collector	RCSA §22a-174-18
EU-31	Fire Pump #1 (Diesel) Construction Date: 1969 Capacity: 300 hp	None	RCSA §22a-174-3b(e) 40 CFR Part 63 Subpart ZZZZ
EU-32	Fire Pump #2 (Diesel) Construction Date: 1972 Capacity: 255 hp	None	RCSA §22a-174-3b(e) 40 CFR Part 63 Subpart ZZZZ
EU-33	Emergency Generator #1 (Diesel) Construction Date: 1986 Capacity: 100 kW	None	RCSA §22a-174-3b(e) 40 CFR Part 63 Subpart ZZZZ

Section II: Emissions Units Information

TABLE II.A: EMISSIONS UNITS DESCRIPTION			
Emissions Unit/ Grouped Emissions Unit	Emissions Unit Description	Control Unit Description	Permit, Order, Registration, or Regulation Number
EU-34	Emergency Generator #2 (Diesel) Construction Date: 1982 Capacity: 75 kW	None	40 CFR Part 63 Subpart ZZZZ RCSA §22a-174-19b
EU-35	Cold Cleaner Maintenance Parts Washers Construction Date: various Capacity: n/a	None	RCSA §22a-174-20(l)
EU-36	Raw Water Treatment Plant-Chemicals Used Construction Date: 1971 Capacity: n/a	None	O-8190
EU-37	Effluent Treatment Plant-Chemicals Used Construction Date: 1970 Capacity: n/a	None	O-8190
EU-38	Fire Pump #3 (Diesel) Construction Date: 1997 Capacity: 300 hp	None	RCSA §22a-174-3b(e) 40 CFR Part 63 Subpart ZZZZ
EU-40	Emergency Generator for Fire Protection Water Bed (Diesel) Construction Date: 1997 Capacity: 10 hp	None	40 CFR Part 63 Subpart ZZZZ RCSA §22a-174-19b
EU-41	Solar Titan 130 Combustion Turbine #1 with Eclipse 30FFB-SP Supplemental Burner (Natural Gas) Construction Date: 06/25/08 Capacity (MMBtu/hr): $189.6632 - 0.4229221T - 0.0058248(T-53.5)^2 + 7.4356E-5(T-53.5)^3$ (turbine only), $194.01729 - 0.2575267T$ (turbine and supplemental burner), where T=ambient temperature (°F)	SCR, VOC/CO Oxidation Catalyst	P-130-0070 RCSA §22a-174-22e 40 CFR Part 60 Subpart KKKK
EU-42	Solar Titan 130 Combustion Turbine #2 (Natural Gas) Construction Date: 04/15/08 Capacity (MMbtu/hr): $191.75875 - 0.4843899T - 0.0022815(T-53.5)^2 + 0.0001127(T-53.5)^3$, where T = ambient temperature (°F)	VOC/CO Oxidation Catalyst	P-130-0071 RCSA §22a-174-22e 40 CFR Part 60 Subpart KKKK
EU-43	Emergency Generator for Effluent Treatment Plant(Natural Gas) Construction Date: 12/1/2011 Capacity: 14 kW	None	40 CFR Part 60 Subpart JJJJ 40 CFR Part 63 Subpart ZZZZ
Grouped Emissions Units			
GEU-1	EU-4a, -5a	As above	As above
GEU-2	EU-4b, -5b	As above	As above
GEU-3	EU-13, -14, -18	As above	As above

Section II: Emissions Units Information

TABLE II.A: EMISSIONS UNITS DESCRIPTION			
Emissions Unit/ Grouped Emissions Unit	Emissions Unit Description	Control Unit Description	Permit, Order, Registration, or Regulation Number
GEU-4	EU-31 through 33, -38	As above	As above
GEU-5	EU -34, -40	As above	As above
GEU-6	EU -36, -37	As above	As above

B. OPERATING SCENARIO IDENTIFICATION

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

There are no Alternative Operating Scenarios.

TABLE II.B: OPERATING SCENARIO IDENTIFICATION		
Identification of Operating Scenario	Emissions Units Associated with the Scenario	Description of Scenario
SOS	All units included in this standard operating scenario	Paper mill operations. Fuel burning units firing either natural gas or diesel fuel.

Section III: Applicable Requirements and Compliance Demonstration

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

A. EMISSIONS UNIT 3 (EU-3) – Combustion Engineering Boiler #3 Subject to R-130-0019, RCSA §22a-174-22e

1. NO_x

a. Limitation or Restriction

- i. Prior to June 1, 2023: ≤ 0.20 lb/MMBtu, firing natural gas [RCSA §22a-174-22e(d)(3)]
- ii. On and after June 1, 2023: ≤ 0.05 lb/MMBtu, firing natural gas [RCSA §22a-174-22e(d)(3)]

b. Monitoring Requirements

- i. The Permittee shall conduct an inspection and tune-up of the emission unit a minimum of once per calendar year. Each subsequent annual tune-up shall be performed no earlier than 180 days after the previous tune-up. The inspection and tune-up of EU-3 shall be conducted according to the manufacturer's recommended procedures, or, if the manufacturer's recommendations are no longer available, according to best available practices. [RCSA §22a-174-22e(i)]
- ii. The Permittee shall conduct an initial emissions test during Phase 1 that is no more than 63 calendar months following the date of the last emissions test performed pursuant to RCSA §22a-174-22(k). [RCSA §22a-174-22e(1)(4)]
- iii. The Permittee shall conduct the emissions test following the initial emissions test on a date after May 31, 2023 and no later than June 1, 2025. Subsequently, the Permittee shall conduct emissions tests within every 63 calendar months following the date the previous emissions test was conducted or the date the previous emissions test was required to be conducted, whichever is earlier. [RCSA §22a-174-22e(1)(5)]
- iv. The Permittee shall conduct each emissions test in accordance with RCSA §22a-174-5 and compliance with the emissions limitations of RCSA §22a-174-22e shall be determined based on the average of three one-hour tests, each performed over a consecutive 60-minute period except as follows: [RCSA §22a-174-22e(1)(6)]
 - (A) As otherwise specified in an applicable New Source Performance Standard in 40 CFR 60; or
 - (B) If the commissioner determines that three one-hour tests are not reasonable given the location, configuration or operating conditions of an emission unit, the commissioner may approve testing where compliance with the emissions limitations of this section shall be determined based on the average of test runs shorter than a one-hour period. For the first time that an emissions unit is tested with a shorter than one-hour test run as provided in this subdivision, approval of the commissioner for a shorter than one-hour test run shall be received prior to testing by submission of a request to the commissioner at least 120 days prior to the scheduled testing. The request shall specify a test run duration and describe why a shorter time period is necessary.
- v. The Permittee shall demonstrate compliance with the emissions limitations of RCSA §22a-174-22e using sampling and analytical procedures under 40 CFR 60, Appendix A or, for affected units, under 40 CFR 75, or under procedures in RCSA §22a-174-5(d). Sampling shall be conducted when the emission unit is at normal operating temperature and, unless allowed otherwise by the commissioner in a permit or order, is operating at or above 90 percent of maximum capacity, except as follows: [RCSA §22a-174-22e(1)(7)]

Section III: Applicable Requirements and Compliance Demonstration

- (A) If the commissioner determines that operating at or above 90 percent of maximum capacity for an emission unit during sampling is not reasonable given the location, configuration or operating conditions of an emission unit, the commissioner may approve testing of an emission unit at an alternative maximum capacity where compliance with the emissions limitations of RCSA §22a-174-22e(d) shall be determined based on operating at or above 90 percent of the alternative maximum capacity approved by the commissioner; and
- (B) Any emission unit that has operated in excess of 100 percent of its maximum capacity at any time since the most recent performance test performed pursuant to RCSA §22a-174-22e shall be tested when the emission unit is operating at or above 90 percent of its highest operating rate since the most recent performance test performed pursuant to RCSA §22a-174-22e.

- vi. If the Permittee is unable to conduct scheduled emissions testing required by RCSA §22a-174-22e(1) due to force majeure, the Permittee shall conduct the required emissions testing as soon as practicable after the force majeure event occurs. [RCSA §22a-174-22e(1)(8)]

c. Record Keeping Requirements

- i. The Permittee shall keep records of the date and work performed for repairs, replacement of parts and other maintenance. [RCSA §22a-174-22e(j)(2)(B)]
- ii. The Permittee shall keep records of the dates and times of all emission testing required by Section III.A.1.b of this Title V permit, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [RCSA §22a-174-22e(j)(2)(C)]
- iii. The Permittee shall keep records of each tune-up conducted pursuant to RCSA §22a-174-22e(i) containing the date the tune-up occurred, the name, title and affiliation of the person performing the tune-up, description of the work performed and procedure used. [RCSA §22a-174-22e(j)(2)(E)]
- iv. The Permittee shall keep copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22e. [RCSA §22a-174-22e(j)(2)(F)]

d. Reporting Requirements

- i. Not more than 60 days after the completion of emission tests, the Permittee shall submit a written report of the results of such testing to the commissioner. [RCSA §22a-174-22e(k)(1)]
- ii. The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

B. GROUPED EMISSIONS UNIT 1 (GEU-1) – Tissue Machine #1 and #2 (Hood Burners) (EU-4a, -5a) Subject to P-130-0026, P-130-0014, RCSA §22a-174-22e

1. PM₁₀

a. Limitation or Restriction for Each Emissions Unit

- i. ≤ 0.008 lb/MMBtu [P-130-0026, P-130-0014]
- ii. ≤ 2.40e-1 lb/hr [P-130-0026, P-130-0014]
- iii. ≤ 1.05 tpy [P-130-0026, P-130-0014]

Section III: Applicable Requirements and Compliance Demonstration

b. Monitoring Requirements

The Permittee shall verify emissions using monthly fuel monitoring, heat content of fuel, emission factors (manufacturer's data) and engineering calculations. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall calculate and record the monthly and consecutive 12 month PM₁₀ emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [RCSA §22a-174-33(j)(1)(K)]

d. Reporting Requirements

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

2. SO₂

a. Limitation or Restriction for Each Emissions Unit

- i. $\leq 6.00e-4$ lb/MMBtu [P-130-0026, P-130-0014]
- ii. $\leq 1.76e-2$ lb/hr [P-130-0026, P-130-0014]
- iii. ≤ 0.077 tpy [P-130-0026, P-130-0014]

b. Monitoring Requirements

The Permittee shall verify emissions using monthly fuel monitoring, heat content of fuel, emission factors (AP-42 July 1998 edition) and engineering calculations. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall calculate and record the monthly and consecutive 12 month SO₂ emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [RCSA §22a-174-33(j)(1)(K)]

d. Reporting Requirements

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

3. VOC

a. Limitation or Restriction for Each Emissions Unit

- i. ≤ 0.02 lb/MMBtu [P-130-0026, P-130-0014]
- ii. $\leq 6.00e-1$ lb/hr [P-130-0026, P-130-0014]
- iii. ≤ 2.63 tpy [P-130-0026, P-130-0014]

Section III: Applicable Requirements and Compliance Demonstration

b. Monitoring Requirements

The Permittee shall verify emissions using monthly fuel monitoring, heat content of fuel, emission factors (manufacturer's data) and engineering calculations. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall calculate and record the monthly and consecutive 12 month VOC emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [RCSA §22a-174-33(j)(1)(K)]

d. Reporting Requirements

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

4. CO

a. Limitation or Restriction for Each Emissions Unit

- i. ≤ 0.146 lb/MMBtu [P-130-0026, P-130-0014]
- ii. ≤ 4.38 lb/hr [P-130-0026, P-130-0014]
- iii. ≤ 19.18 tpy [P-130-0026, P-130-0014]

b. Monitoring Requirements

The Permittee shall verify emissions using monthly fuel monitoring, heat content of fuel, emission factors (manufacturer's data) and engineering calculations. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall calculate and record the monthly and consecutive 12 month CO emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [RCSA §22a-174-33(j)(1)(K)]

d. Reporting Requirements

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

5. NO_x

a. Limitation or Restriction for Each Emissions Unit

- i. ≤ 0.02 lb/MMBtu [P-130-0026, P-130-0014]
- ii. $\leq 6.00e-1$ lb/hr [P-130-0026, P-130-0014]
- iii. ≤ 2.63 tpy [P-130-0026, P-130-0014]

Section III: Applicable Requirements and Compliance Demonstration

b. *Monitoring and Testing Requirements*

- i. The Permittee shall verify emissions using the most recent NO_x RACT performance test data, monthly fuel monitoring, heat content of fuel and engineering calculations.
[RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. The Permittee shall conduct an initial emissions test during Phase 1 that is no more than 63 calendar months following the date of the last emissions test performed pursuant to RCSA §22a-174-22(k).
[RCSA 22a-174-22e(l)(4)]
- iii. The Permittee shall conduct the emissions test following the initial emissions test on a date after May 31, 2023 and no later than June 1, 2025. Subsequently, the Permittee shall conduct emissions tests within every 63 calendar months following the date the previous emissions test was conducted or the date the previous emissions test was required to be conducted, whichever is earlier.
[RCSA §22a-174-22e(l)(5)]
- iv. The Permittee shall conduct each emissions test in accordance with RCSA §22a-174-5 and compliance with the emissions limitations of RCSA §22a-174-22e shall be determined based on the average of three one-hour tests, each performed over a consecutive 60-minute period except as follows: [RCSA §22a-174-22e(l)(6)]
 - (A) As otherwise specified in an applicable New Source Performance Standard in 40 CFR 60; or
 - (B) If the commissioner determines that three one-hour tests are not reasonable given the location, configuration or operating conditions of an emission unit, the commissioner may approve testing where compliance with the emissions limitations of this section shall be determined based on the average of test runs shorter than a one-hour period. For the first time that an emissions unit is tested with a shorter than one-hour test run as provided in this subdivision, approval of the commissioner for a shorter than one-hour test run shall be received prior to testing by submission of a request to the commissioner at least 120 days prior to the scheduled testing. The request shall specify a test run duration and describe why a shorter time period is necessary.
- v. The Permittee shall demonstrate compliance with the emissions limitations of RCSA §22a-174-22e using sampling and analytical procedures under 40 CFR 60, Appendix A or, for affected units, under 40 CFR 75, or under procedures in RCSA §22a-174-5(d). Sampling shall be conducted when the emission unit is at normal operating temperature and, unless allowed otherwise by the commissioner in a permit or order, is operating at or above 90 percent of maximum capacity, except as follows: [RCSA §22a-174-22e(l)(7)]
 - (A) If the commissioner determines that operating at or above 90 percent of maximum capacity for an emission unit during sampling is not reasonable given the location, configuration or operating conditions of an emission unit, the commissioner may approve testing of an emission unit at an alternative maximum capacity where compliance with the emissions limitations of RCSA §22a-174-22e(d) shall be determined based on operating at or above 90 percent of the alternative maximum capacity approved by the commissioner; and
 - (B) Any emission unit that has operated in excess of 100 percent of its maximum capacity at any time since the most recent performance test performed pursuant to RCSA §22a-174-22e shall be tested when the emission unit is operating at or above 90 percent of its highest operating rate since the most recent performance test performed pursuant to RCSA §22a-174-22e.
- vi. If the Permittee is unable to conduct scheduled emissions testing required by RCSA §22a-174-22e(l) due to force majeure, the Permittee shall conduct the required emissions testing as soon as practicable after the force majeure event occurs. [RCSA §22a-174-22e(l)(8)]

Section III: Applicable Requirements and Compliance Demonstration

c. Record Keeping Requirements

- i. The Permittee shall calculate and record the monthly and consecutive 12 month NO_x emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [RCSA §22a-174-33(j)(1)(K)]
- ii. The Permittee shall keep records of the date and work performed for repairs, replacement of parts and other maintenance. [RCSA §22a-174-22e(j)(2)(B)]
- iii. The Permittee shall keep records of the dates and times of all emission testing required by Section III.B.5.b of this Title V permit, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [RCSA §22a-174-22e(j)(2)(C)]
- iv. The Permittee shall keep copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22e. [RCSA §22a-174-22e(j)(2)(F)]

d. Reporting Requirements

- ii. Not more than 60 days after the completion of emission tests, the Permittee shall submit a written report of the results of such testing to the commissioner. [RCSA §22a-174-22e(k)(1)]
- iii. The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

6. Annual Fuel Usage

a. Limitation or Restriction

Natural gas firing: ≤ 257.7 MMft³ over any consecutive 12 month period per tissue machine hood
[P-130-0026, P-130-0014]

b. Monitoring Requirements

The Permittee shall use a fuel metering device to continuously monitor fuel feed to each unit in GEU-1.
[P-130-0014, P-130-0026]

c. Record Keeping Requirements

The permittee shall keep records of annual operating hours and fuel consumption. Annual operating hours and fuel consumption shall be based on any consecutive 12 month time period and shall be determined by adding the current month's fuel usage and operating hours to that of the previous 11 months. The Permittee shall make these calculations monthly. [P-130-0026, P-130-0014]

d. Reporting Requirements

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

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C. GROUPED EMISSIONS UNIT 2 (GEU-2)– Tissue Manufacturing (EU-4b, 5b) Subject to O-8190, RCSA §22a-174-18

1. VOC

a. *Limitations or Restrictions*

Combined maximum emissions of 37.6 tpy [O-8190]

b. *Monitoring Requirements*

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

c. *Record Keeping Requirements*

The Permittee shall make and keep such records that are necessary to reliably calculate actual monthly and annual emissions of VOCs for the subject equipment. The emissions shall be calculated consistent with those methods presented in the Permittee's Alternative Compliance Plan. Such records shall be created for each calendar month and calendar year. The Permittee shall maintain for the Commissioner's inspection upon demand, purchase records for all materials which are used or stored at the facility which contain VOCs. The Permittee shall keep each record required by this subsection at the premises for five years after the date that such record is made. [O-8190]

d. *Reporting Requirements*

- i. The Permittee shall submit an annual VOC emissions summary to the commissioner on or before March 1 of every calendar year. [O-8190]
- ii. The Permittee shall research and test low VOC content additives and shall submit a report of these efforts every two years beginning from the date of issuance of O-8190. The report should include a summary of the research activities conducted, as well as an evaluation of the feasibility of switching to lower VOC content additives considering the availability, cost, and performance of these products. [O-8190]
- iii. The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

2. PM₁₀

a. *Limitations or Restrictions*

The PM₁₀ emission limitation is based on process feed rate for the given emissions unit and the following equation for feed rates < 30 tons/hr: [RCSA §22a-174-18(f)(3)]

The Permittee shall not exceed the following limit:

$$PM_{10} \text{ (lb/hr)} = 3.59 \times P^{0.62}$$

where P = feed rate (tons/hr)

b. *Monitoring Requirements*

Record keeping specified in Section III.C.2.c of this Title V permit shall be sufficient to meet other Monitoring Requirements pursuant to RCSA §22a-174-33.

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[RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

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

d. Reporting Requirements

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

**D. GROUPED EMISSIONS UNIT 3 (GEU-3)– Multifolders #1 and #2, Pocket Pack Line (EU-13, -14, -18)
Subject to RCSA §22a-174-18**

1. PM₁₀

a. Limitations or Restrictions

The PM₁₀ emission limitation is based on process feed rate for the given emissions unit and the following equation for feed rates < 30 tons/hr: [RCSA §22a-174-18(f)(3)]

The Permittee shall not exceed the following limit:

$$PM_{10} \text{ (lb/hr)} = 3.59 \times P^{0.62}$$

where P = feed rate (tons/hr)

b. Monitoring Requirements

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

c. Record Keeping Requirements

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

d. Reporting Requirements

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

**E. EMISSIONS UNIT 16 (EU-16) – Off-Line Printer/Winder #1
Subject to P-130-0033, RCSA §22a-174-20(q)**

1. PM

a. Limitations or Restrictions

i. ≤ 0.36 lb/hr [P-130-0033]

ii. ≤ 3.1 tpy [P-130-0033]

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iii. Gas Pressure Drop Across Scrubber: 11-14 in. H₂O

b. Monitoring Requirements

- i. The Permittee shall demonstrate compliance by calculating the emission rates using emission factors from any of the following sources: manufacturer's data or emissions testing. [P-130-0033]
- ii. Record keeping specified in Section III.E.1.c of this Title V permit shall be sufficient to meet other Monitoring [and Testing] Requirements pursuant to RCSA §22a-174-33. [RCSA §22a-174-33(j)(l)(K)(ii)]

c. Record Keeping Requirements

- i. The Permittee shall calculate and record the monthly and consecutive 12 month PM emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [RCSA §22a-174-33(j)(1)(K)]
- ii. The Permittee shall maintain records sufficient to determine compliance with the limitation or restriction in Section III.E.1.a of this Title V permit. [RCSA §22a-174-33(j)(1)(K)]

d. Reporting Requirements

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

2. VOC

a. Limitations or Restrictions

- i. ≤ 1.97 lb.hr [P-130-0033]
- ii. ≤ 8.5 tpy [P-130-0033]
- iii. Coating as-applied VOC content: ≤ 350g/l of coating, excluding any water and exempt compounds [RCSA §22a-174-20(q)(4)]
- iv. The Permittee shall perform the following work practices: [RCSA §22a-174-20(q)(6)]
 - (A) New and used VOC-containing coating or cleaning solvent, including a coating mixed on the premises, shall be stored in a nonabsorbent, non-leaking container. Such a container shall be kept closed at all times except when the container is being filled, emptied or is otherwise actively in use;
 - (B) Spills and leaks of VOC-containing coating or cleaning solvent shall be minimized. Any leaked or spilled VOC-containing coating or cleaning solvent shall be absorbed and removed immediately;
 - (C) Absorbent applicators, such as cloth and paper, which are moistened with VOC-containing coating or cleaning solvent, shall be stored in a closed, nonabsorbent, non-leaking container for disposal or recycling; and
 - (D) VOC-containing coating or cleaning solvent shall be conveyed from one location to another in a closed container or pipe.

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b. *Monitoring Requirements*

Compliance with the maximum annual VOC emissions limit shall be determined by taking the VOC content of the current month's treatment solutions use and adding it to the VOC content of the previous 11 month's use. Based on this value the Permittee shall calculate the VOC emission rate. This calculation shall be performed monthly, and the results made available for inspection. [P-130-0033]

c. *Record Keeping Requirements*

- i. The Permittee shall keep monthly records of all treatment solutions and diluents used. The records shall contain the following information. [RCSA §§22a-174-20(q)(7) and (aa)(1)]
 - (A) Description of the treatment solution including the treatment solution name and the treatment solution density in pounds per gallon;
 - (B) Volatile organic compound content by weight;
 - (C) Water and exempt volatile organic compound content by weight;
 - (D) Non-volatile content by volume and by weight;
 - (E) Amount of each treatment solution used in gallons; and
 - (F) Total amount of diluent used for each treatment solution in pounds and in gallons.
- ii. The Permittee shall calculate and record the monthly and consecutive 12 month VOC emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [RCSA §22a-174-33(j)(1)(K)]
- iii. The Permittee shall keep records of all compounds used, MSDS's or the manufacturer's technical data sheets. [P-130-0033]

d. *Reporting Requirements*

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

F. EMISSIONS UNIT 35 (EU-35) - Parts Cleaners

Subject to RCSA §22a-174-20(l)

1. VOC

a. *Work Practice Standards* [RCSA §22a-174-20(l)(3)]

The Permittee shall:

- i. Equip the cleaning device with a cover that is easily operated with one hand.
- ii. Equip the cleaning device with an internal rack or equipment for draining cleaned parts so that parts are enclosed under the cover while draining. Such drainage rack or equipment may be external for applications where an internal type cannot fit into the cleaning system.
- iii. Collect and store waste solvent in closed containers. Closed containers used for storing waste solvent may contain a device that allows pressure relief but does not allow liquid solvent to drain from the container.
- iv. Close the cover if parts are not being handled in the cleaner for two minutes or more, or if the device

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is not in use.

- v. Drain the cleaned parts for at least 15 seconds or until dripping ceases, whichever is longer.
 - vi. If used, supply a degreasing solvent spray that is a solid fluid stream (not a fine, atomized or shower type spray) at a pressure which does not exceed ten psi measured at the pump outlet and perform such spraying within the confines of the cold cleaning unit.
 - vii. Minimize the drafts across the top of the cold cleaning unit such that whenever the cover is open the unit is not exposed to drafts greater than 40 meters per minute, as measured between one and two meters upwind, and at the same elevation as the tank lip.
 - viii. Do not operate the unit upon the occurrence of any visible solvent leak until such leak is repaired. Any leaked solvent or solvent spilled during transfer shall be cleaned immediately, and the wipe rags or other sorbent material used to clean the spilled or leaked solvent shall be immediately stored in covered containers for disposal or recycling.
 - ix. Provide a permanent, conspicuous label on or posted near the unit clearly summarizing the applicable operating requirements.
 - x. Use only solvent that has a vapor pressure less than or equal to 1.0 mm Hg at 20°C.
 - xi. Sponges, fabric, wood, leather, paper and other absorbent material shall not be cleaned in a cold cleaning machine.
- b. *Monitoring Requirements*

The Permittee shall complete VOC emission calculations once every six months using Material Safety Data Sheets for the solvent used in the cold cleaning unit. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. *Record Keeping Requirements*

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

d. *Reporting Requirements*

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

**G. GROUPED EMISSIONS UNIT 4 (GEU-4)– Emergency Engines (EU-31 through -33, -38)
(Existing Emergency Compression Ignition Stationary RICE constructed before June 12, 2006 at a HAP area source)
Subject to RCSA §§22a-174-3b(e), 40 CFR Part 63 Subpart ZZZZ**

1. Operational Conditions (RCSA §22a-174-3b(e))

a. *Limitations or Restrictions*

- i. The Permittee shall properly maintain the subject engine. [State Only Requirement] [RCSA §22a-174-3b(e)(1)]
- ii. The Permittee shall not operate the subject engine except during periods of testing, scheduled maintenance or emergency. [State Only Requirement] [RCSA §22a-174-3b(e)(2)]

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iii. The Permittee shall not operate the engine in excess of 300 hours in any 12 month rolling aggregate. [State Only Requirement] [RCSA §22a-174-3b(e)(2)(C)]

b. Monitoring Requirements

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

c. Record Keeping Requirements

i. The Permittee shall maintain records of the information necessary for the commissioner to determine compliance with the requirements of RCSA §22a-174-3b(e)(2). Information sufficient to make such determinations may include the information specified in Section III.G.1.c.ii of this Title V permit. [RCSA §22a-174-33(j)(1)(K)(ii)]

ii. The Permittee shall keep documentation of the hours of operation for each month and each 12 month rolling aggregate. [State Only Requirement] [RCSA §22a-174-3b(e)(4)]

d. Reporting Requirements

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

2. Fuel Sulfur Content

a. Limitations or Restrictions

i. The Permittee shall not exceed the sulfur content of motor vehicle diesel fuel where "motor vehicle diesel fuel" is defined as in RCSA §22a-174-42 for any non-gaseous fuel consumed by any EU-in GEU-4. [State Only Requirement] [RCSA §22a-174-3b(e)(2)(D)]

ii. ≤ 15 ppm for non-gaseous fuel [RCSA §22a-174-19b(d)]

b. Monitoring Requirements

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

c. Record Keeping Requirements

i. The Permittee shall keep records to demonstrate compliance with Section III.G.2.a of this Title V permit. Any of the following are sufficient to demonstrate the sulfur content of fuel used: [State Only Requirement] [RCSA §22a-174-3b(h)]

(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.

ii. The Permittee shall keep records of the sulfur content of the fuel combusted and the quantity purchased for combustion. A written certification or a written contract with a fuel supplier is sufficient to satisfy this requirement if the certification or contract identifies:

[RCSA §22a-174-19b(g)(3)]

(A) The name of the fuel seller;

(B) The type of fuel purchased;

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

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

d. Reporting Requirements

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

3. 40 CFR Part 63 Subpart ZZZZ Requirements

a. Monitoring and General Requirements

- i. The Permittee shall operate and maintain each engine in GEU-4 and after-treatment control device (if any) in accordance with the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR §63.6625(e)]
- ii. The Permittee shall install a non-resettable hour meter if one is not already installed. [40 CFR §63.6625(f)]
- iii. The Permittee shall minimize each of GEU-4's engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Table 2d of 40 CFR Part 63 Subpart ZZZZ apply. [40 CFR §63.6625(h)]
- iv. The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d of 40 CFR Part 63 Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2d of 40 CFR Part 63 Subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee must change the oil within 2 business days of receiving the results of the analysis; if any engine in GEU-4 is not in operation when the results of the analysis are received, the Permittee must change the oil within 2 business days or before commencing operation, whichever is later. The analysis program must be part of the maintenance plan for GEU-4. [40 CFR §63.6625(i)]
- v. Each engine in GEU-4 may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. [40 CFR §63.6640(f)(2)(i)]
- vi. The Permittee may operate each emissions unit for 50 hours per year in non-emergency situations. The 50 hours of operation in non-emergency situations are included in the 100 hours per calendar year for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used

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for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR §63.6640(f)(4)]

- vii. The Permittee shall change oil and filter and inspect all hoses and belts every 500 hours of operation or annually, whichever comes first. Hoses and belts shall be replaced as necessary. [40 CFR Part 63 Subpart ZZZZ Table 2d]
- viii. The Permittee shall inspect the air cleaner every 1000 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR Part 63 Subpart ZZZZ Table 2d]

b. Record Keeping Requirements

- i. The Permittee must keep records of the parameters that are analyzed as part of the optional oil analysis program, the results of the analysis, and the oil changes for each engine in GEU-4. [40 CFR §63.6625(i)]
- ii. The Permittee shall keep records of the maintenance conducted on each engine in GEU-4 in order to demonstrate that the Permittee operated and maintained each engine in GEU-4 and after-treatment control device (if any) according to the maintenance plan. [40 CFR §63.6655(e)]
- iii. The Permittee shall keep records of the hours of operation of each engine in GEU-4 that is recorded through the non-resettable hour meter. The Permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. [40 CFR §63.6655(f)]

c. Reporting Requirements

- i. The Permittee shall provide the records specified in Section III.G.3.b of this Title V permit to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-33(j)(1)(X)]
- ii. If any engine in GEU-4 is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2c of 40 CFR Part 63 Subpart ZZZZ, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. The Permittee must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable. [40 CFR Part 63 Subpart ZZZZ Table 2d Footnote 1]

H. GROUPED EMISSIONS UNIT 5 (GEU-5) – Emergency Engines (EU-34, -40)

(Existing Emergency Stationary Compression Ignition RICE constructed before June 12, 2006 at a HAP area source)

Subject to RCSA §22a-174-19b, 40 CFR Part 63 Subpart ZZZZ

1. Fuel Sulfur Content

a. Limitations or Restrictions

≤ 15 ppm for non-gaseous fuel [RCSA §22a-174-19b(d)]

b. Monitoring Requirements

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

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c. Record Keeping Requirements

- i. The Permittee shall keep records of the sulfur content of the fuel combusted and the quantity purchased for combustion. A written certification or a written contract with a fuel supplier is sufficient to satisfy this requirement if the certification or contract identifies:

[RCSA §22a-174-19b(g)(3)]

(A) The name of the fuel seller;

(B) The type of fuel purchased;

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

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

d. Reporting Requirements

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

2. 40 CFR Part 63 Subpart ZZZZ Requirements

a. Monitoring and General Requirements

- i. The Permittee shall operate and maintain each engine in GEU-5 and after-treatment control device (if any) in accordance with the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR §63.6625(e)]

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

- iii. The Permittee shall minimize each of GEU-5's engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d of 40 CFR Part 63 Subpart ZZZZ apply. [40 CFR §63.6625(h)]

- iv. The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d of 40 CFR Part 63 Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table or 2d of 40 CFR Part 63 Subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee must change the oil within 2 business days of receiving the results of the analysis; if either engine in GEU-5 is not in operation when the results of the analysis are received, the Permittee must change the oil within 2 business days or before commencing operation, whichever is later. The analysis program must be part of the maintenance plan for GEU-5. [40 CFR §63.6625(i)]

- v. Each engine in GEU-5 may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the

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regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

[40 CFR §63.6640(f)(2)(i)]

- vi. The Permittee may operate each emissions unit for 50 hours per year in non-emergency situations. The 50 hours of operation in non-emergency situations are included in the 100 hours per calendar year for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR §63.6640(f)(4)]
- vii. The Permittee shall change oil and filter and inspect all hoses and belts every 500 hours of operation or annually, whichever comes first. Hoses and belts shall be replaced as necessary. [40 CFR Part 63 Subpart ZZZZ Table 2d]
- viii. The Permittee shall inspect the air cleaner every 1000 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR Part 63 Subpart ZZZZ Table 2d]

b. Record Keeping Requirements

- i. The Permittee must keep records of the parameters that are analyzed as part of the optional oil analysis program, the results of the analysis, and the oil changes for each engine in GEU-5. [40 CFR §63.6625(i)]
- ii. The Permittee shall keep records of the maintenance conducted on each engine in GEU-5 in order to demonstrate that the Permittee operated and maintained each engine in GEU-5 and after-treatment control device (if any) according to the maintenance plan. [40 CFR §63.6655(e)]
- iii. The Permittee shall keep records of the hours of operation of each engine in GEU-5 that is recorded through the non-resettable hour meter. The Permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. [40 CFR §63.6655(f)]

c. Reporting Requirements

- i. The Permittee shall provide the records specified in Section III.H.2.b of this Title V permit to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-33(j)(1)(X)]
- ii. If either engine in GEU-5 is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2d of 40 CFR Part 63 Subpart ZZZZ, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. The Permittee must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable. [40 CFR Part 63 Subpart ZZZZ Table 2d Footnote 1]

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I. EMISSIONS UNIT 43 (EU-43) – Emergency Engine

(Commenced construction after June 12, 2006, manufactured on or after January 1, 2009 with a maximum engine power > 25 hp)

Subject to 40 CFR Part 60 Subpart JJJJ, 40 CFR Part 63 Subpart ZZZZ (The requirements of 40 CFR Part 63 Subpart ZZZZ are satisfied by complying with the applicable requirements of 40 CFR Part 60 Subpart JJJJ)

1. 40 CFR Part 60 Subpart JJJJ Requirements

a. Limitation or Restriction

- i. The Permittee shall comply with the emission standards for emergency SI ICE in Table 1 of 40 CFR Part 60 Subpart JJJJ. [40 CFR § 60.4233(d)]
- ii. The Permittee shall operate and maintain EU-43 to achieve the emission standards as required in 40 CFR §60.4233 over the entire life of the engine. [40 CFR §60.4234]
- iii. The Permittee must operate EU-43 according to the requirements in 40 CFR §§60.4243(d)(1), (d)(2) and (d)(3). In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in 40 CFR §§60.4243(d)(1) through (3), is prohibited. If you do not operate the engine according to the requirements in 40 CFR §§60.4243(d)(1) through (3), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines. . [40 CFR §§60.4243(d)]

(A) There is no time limit on the use of EU-43 in emergency situations. [40 CFR §§60.4243(d)(1)]

(B) EU-43 may be operated for maintenance checks and readiness testing, for a maximum of 100 hours per calendar year, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. [40 CFR §§60.4243(d)(2)]

(C) EU-43 may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in 40 CFR §§60.4243(d)(2). Except as provided in [40 CFR §§ 60.4243\(d\)\(3\)\(i\)](#), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met: [40 CFR §§60.4243(d)(3)]

- (1) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;
- (2) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.
- (3) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.
- (4) The power is provided only to the facility itself or to support the local transmission and

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distribution system.

- (5) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

b. Monitoring Requirements

If EU-43 does not meet the standards applicable to non-emergency engines, the Permittee must install a non-resettable hour meter. [40 CFR §60.4237(c)]

c. Record Keeping Requirements

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

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.I.1.c of this Title V permit to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-33(j)(1)(X)]

**J. GROUPED EMISSIONS UNIT 6 (GEU-6) - Raw Water and Effluent Water Treatment Plants (EU-36, -37)
Subject to O-8190**

1. VOC

a. Limitations or Restrictions

Combined maximum emissions of 11.6 tpy [O-8190]

b. Monitoring Requirements

- i. VOC emissions shall be calculated based on the VOC content of the flocculation agent and the amount of said agent utilized in GEU 6. [RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. Record keeping specified in Section III.J.1.c of this Title V permit shall be sufficient to meet other Monitoring Requirements pursuant to RCSA §22a-174-33. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

- i. The Permittee shall make and keep such records that are necessary to reliably calculate actual monthly and annual emissions of VOCs for the subject equipment. The emissions shall be calculated consistent with those methods presented in the Permittee's Alternative Compliance Plan. Such records shall be created for each calendar month and calendar year. The Permittee shall maintain for the Commissioner's inspection upon demand, purchase records for all materials which are used or stored at the facility which contain VOCs. The Permittee shall keep each record required by this subsection at the premises for five years after the date that such record is made [O-8190]
- ii. Purchase records of flocculation agent and documentation of flocculation agent VOC content shall be kept. [RCSA §22a-174-33(j)(1)(K)]

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d. Reporting Requirements

- i. The Permittee shall submit an annual VOC emissions summary to the commissioner on or before March 1 of every calendar year. [O-8190]
- ii. The Permittee shall research and test low VOC content additives and shall submit a report of these efforts every two years beginning from the date of issuance of O-8190. [O-8190]
- iii. The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

K. EMISSIONS UNIT 41 (EU-41) – Combustion Turbine #1 with Supplemental Burner Subject to P-130-0070, RCSA §22a-174-22e, 40 CFR Part 60 Subpart KKKK

1. PM/PM₁₀/PM_{2.5} (Limits are for each Pollutant)

a. Limitations or Restrictions

- i. Turbine Only Emissions [P-130-0070]
(A) ≤ 1.55 lb/hr
(B) ≤ 0.0089 lb/MMBtu
- ii. Turbine and Supplemental Burner Emissions [P-130-0070]
(A) ≤ 1.76 lb/hr
(B) ≤ 0.0088 lb/MMBtu
(C) ≤ 7.71 tpy

b. Monitoring Requirements

Demonstration of compliance with the above emission limits may be met by calculating the emission rates using stack test data for this source or, if none is available, emission factors from the following sources: Compilation of Air Pollutant Emission Factors, AP-42, fifth edition, Section 3.1, April 2000. [P-130-0070]

c. Record Keeping Requirements

The Permittee shall calculate and record the monthly and consecutive 12 month PM, PM₁₀, PM_{2.5} emissions in units of tons. The consecutive 12 month emissions shall be determined by adding (for each pollutant) the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-130-0070]

d. Reporting Requirements

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

2. SO₂

a. Limitations or Restrictions

- i. Turbine Only Emissions [P-130-0070]

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(A) ≤ 0.245 lb/hr

(B) ≤ 0.0014 lb/MMBtu

ii. Turbine and Supplemental Burner Emissions [P-130-0070]

(A) ≤ 0.259 lb/hr

(B) ≤ 0.0013 lb/MMBtu

(C) ≤ 1.14 tpy

b. *Monitoring Requirements*

i. Demonstration of compliance with the above emission limits may be met by calculating the emission rates using stack test data for this source or, if none is available, emission factors from the following sources: Compilation of Air Pollutant Emission Factors, AP-42, fifth edition, Section 3.1, April 2000. [P-130-0070]

ii. The Permittee may elect to not monitor the total sulfur content of the natural gas, in accordance with 40 CFR §60.4365 Subpart KKKK, if the potential emissions do not exceed 0.060 lb SO₂/MMBtu. This demonstration may be made using the purchase contract specifying that the fuel sulfur content for the natural gas is less than or equal to 20 grains of sulfur/100 standard cubic feet and results in potential emissions not exceeding 0.060 lb SO₂/MMBtu. This determination shall be done on an annual basis pursuant to 40 CFR §60.4415 Subpart KKKK. [P-130-0070]

c. *Record Keeping Requirements*

The Permittee shall calculate and record the monthly and consecutive 12 month SO₂ emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-130-0070]

d. *Reporting Requirements*

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

3. NO_x

a. *Limitations or Restrictions*

i. Turbine Only Emissions (Except during startup or shutdown events, unless noted)

(A) ≤ 1.62 lb/hr [P-130-0070]

(B) ≤ 0.0093 lb/MMBtu [P-130-0070]

(C) ≤ 2.5 ppmvd @ 15% O₂ (24 hr rolling average) [P-130-0070]

(D) Prior to June 1, 2023: ≤ 42 ppmvd @ 15% O₂, daily block average, including startup, shutdown and malfunction emissions [RCSA §22a-174-22e(d)(5)(A)]

(E) On and after June 1, 2023: ≤ 25 ppmvd @ 15% O₂, daily block average, including startup, shutdown and malfunction emissions [RCSA §22a-174-22e(d)(5)(C)]

(F) ≤ 25.0 ppmvd @15% O₂, 30 unit operating day rolling average, including startup, shutdown and malfunction emissions [40 CFR 60 Subpart KKKK]

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- ii. Turbine and Supplemental Burner Emissions (Except during startup or shutdown events, unless noted)
 - (A) ≤ 2.03 lb/hr [P-130-0070]
 - (B) ≤ 0.0102 lb/MMBtu [P-130-0070]
 - (C) ≤ 2.5 ppmvd @ 15% O₂ (24 hr rolling average) [P-130-0070]
 - (D) Prior to June 1, 2023: ≤ 42 ppmvd @ 15% O₂, daily block average, including startup, shutdown and malfunction emissions [RCSA §22a-174-22e(d)(5)(A)]
 - (E) On and after June 1, 2023: ≤ 25 ppmvd @ 15% O₂, daily block average, including startup, shutdown and malfunction emissions [RCSA §22a-174-22e(d)(5)(C)]
- iii. Startup Event Emissions [P-130-0070]
 - 13.80 lb/event
- iv. Shutdown Event Emissions [P-130-0070]
 - 6.00 lb/event
- v. Total Annual Emissions (Including steady-state, startup and shutdown events) [P-130-0070]
 - ≤ 8.87 tpy

b. Monitoring Requirements

- i. The Permittee shall operate, calibrate and maintain a NO_x CEMS in accordance with §22a-174-4a and 40 CFR §60.4345. [P-130-0070]
- ii. The Permittee shall demonstrate compliance with the applicable NO_x limitation of 40 CFR §60.4320 Subpart KKKK, Table 1.
- iii. The Permittee shall collect quality assured CEMS data for all emission unit operating conditions. Data collection shall include periods of startup or shutdown, monitoring system malfunctions, out-of-control periods, while conducting maintenance or repairs, and periods of required monitoring system quality assurance or quality control activities, such as calibration checks and required zero and span adjustments. [RCSA §22a-174-22e(m)(2)]
- iv. The Permittee shall conduct any performance or quality assurance testing of the CEM system in accordance with a testing protocol approved by the commissioner. [RCSA §22a-174-22e(m)(4)]

c. Record Keeping Requirements

- i. The Permittee shall keep documentation of the NO_x emissions monitoring data on a 24-hr rolling and daily block average basis. [RCSA §22a-174-22e(d)(5); P-130-0070]
- ii. The Permittee shall calculate and record the monthly and consecutive 12 month NO_x emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-130-0070]
- iii. The Permittee shall keep records of the date and work performed for repairs, replacement of parts and other maintenance. [RCSA §22a-174-22e(j)(2)(B)]
- iv. The Permittee shall keep documentation of all calculations, parameters and data pertaining to emissions tests conducted on this unit. [RCSA §22a-174-22e(j)(2)(C)]

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- v. The Permittee shall make keep the following records for the NO_x CEM:
[RCSA §22a-174-22e(j)(2)(D)]
 - (A) Records of all performance evaluations, calibration checks and adjustments on such monitor;
 - (B) A record of maintenance performed;
 - (C) All data necessary to complete the quarterly reports required under Section III.K.3.d.ii. of this Title V permit; and
 - (D) Charts, electronically stored data, and printed records produced by such CEM system as needed to demonstrate compliance with the requirements of this section.
- vi. The Permittee shall keep copies of all documents submitted to the commissioner pursuant to RCSA §22a-174-22e. [RCSA §22a-174-22e(j)(2)(F)]

d. Reporting Requirements

- i. Not more than 60 days after the completion of a certification test conducted under the requirements of RCSA §22a-174-22e(m), the Permittee shall submit a written report of the results of such testing to the commissioner. [RCSA §22a-174-22e(k)(2)]
- ii. The Permittee shall submit to the commissioner, on forms provided by the commissioner, written quarterly reports of excess emissions and CEM system malfunctions. Such reports shall be submitted to the commissioner on or before January 30, April 30, July 30 and October 30 of each year and shall include: [RCSA §22a-174-22e(k)(3)]
 - (A) All daily block average data, in a format acceptable to the commissioner, for the three calendar month period ending the month before the due date of the report;
 - (B) The date and time of commencement and completion of each period of excess emissions;
 - (C) The magnitude and suspected cause of the excess emissions;
 - (D) Actions taken to correct the excess emissions;
 - (E) The date and time when each malfunction of the CEM system commenced and ended;
 - (F) Actions taken to correct each malfunction; and
 - (G) If no excess emissions or CEM system malfunctions occur during a quarter, the owner or operator shall indicate that no excess emissions or malfunctions occurred during the quarter.
- iii. Upon written notice, the commissioner may require the Permittee to provide all hourly CEM data, in a format acceptable to the commissioner, for the three calendar month period identified in such written notice. [RCSA §22a-174-22e(k)(4)]
- iv. The Permittee shall notify the commissioner in writing at least 30 days prior to conducting any performance or quality assurance testing of any CEM for NO_x. Any such testing shall be conducted in accordance with a testing protocol approved by the commissioner. Any CEM for NO_x shall be installed, calibrated and operated in accordance with the performance and quality assurance specifications contained in RCSA §22a-174-4a and 40 CFR Part 60, Subpart A, Appendix B and Appendix F. [RCSA §22a-174-22e(m)(4)]
- v. The Permittee shall submit required reports pursuant to 40 CFR §60.4375.
- vi. The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

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4. VOC

a. Limitations or Restrictions

- i. Turbine Only Emissions (Except during startup or shutdown events) [P-130-0070]
 ≤ 0.161 lb/hr
- ii. Turbine and Supplemental Burner Emissions (Except during startup or shutdown events) [P-130-0070]
 ≤ 0.181 lb/hr
- iii. Startup Emissions [P-130-0070]
6.57 lb/event
- iv. Shutdown Emissions [P-130-0070]
3.56 lb/event
- v. Total Annual Emissions (Including steady-state, startup and shutdown events) [P-130-0070]
 ≤ 0.8 tpy

b. Monitoring and Testing Requirements

- i. The Permittee shall conduct stack testing for VOC in accordance with the [Emission Test Guideline](#), within five years from the date of the previous stack test to demonstrate compliance with the limits given in Section III.K.4 of this Title V permit. Test results shall be submitted within 60 days after completion of testing. Stack test results for VOC shall be reported in units of lb/hr. [P-130-0070]
- ii. Demonstration of compliance with the above emission limits may be met by calculating the emission rates using stack test data for this source or, if none is available, emission factors from the following sources: Manufacturer's data. [P-130-0070]

c. Record Keeping Requirements

The Permittee shall calculate and record the monthly and consecutive 12 month VOC emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-130-0070]

d. Reporting Requirements

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

5. CO

a. Limitations or Restrictions

- i. Turbine Only Emissions (Except during startup or shutdown events) [P-130-0070]
 ≤ 0.982 lb/hr
- ii. Turbine and Supplemental Burner Emissions (Except during startup or shutdown events)

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[P-130-0070]

≤ 1.19 lb/hr

iii. Startup Emissions [P-130-0070]

74.07 lb/event

iv. Shutdown Emissions [P-130-0070]

40.53 lb/event

v. Total Annual Emissions (Including steady-state, startup and shutdown events) [P-130-0070]

≤ 5.66 tpy

b. Monitoring Requirements

- i. The Permittee shall conduct stack testing for CO in accordance with the [Emission Test Guideline](#), within five years from the date of the previous stack test to demonstrate compliance with the limits given in Section III.K.5 of this Title V permit. Test results shall be submitted within 60 days after completion of testing. Stack test results for CO shall be reported in units of lb/hr. [P-130-0070]
- ii. Demonstration of compliance with the above emission limits may be met by calculating the emission rates using stack test data for this source or, if none is available, emission factors from the following sources: Manufacturer's data. [P-130-0070]

c. Record Keeping Requirements

The Permittee shall calculate and record the monthly and consecutive 12 month CO emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-130-0070]

d. Reporting Requirements

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

6. Maximum Annual Fuel Consumption

a. Limitations or Restrictions

- i. Turbine Only: 1502 MMft³ natural gas over any consecutive 12 month period [P-130-0070]
- ii. Turbine and Supplemental Burner: 1717 MMft³ natural gas over any consecutive 12 month period [P-130-0070]

b. Monitoring Requirements

The Permittee shall use individual non-resettable totalizing fuel metering devices or billing meters to continuously monitor and record the fuel feed to the turbine and supplemental burner. [P-130-0070]

c. Record Keeping Requirements

- i. The Permittee shall keep documentation of all measured fuel flow rates on a continuous basis. [RCSA §22a-174-33(j)(1)(K)]
- ii. The Permittee shall keep records of monthly and consecutive 12 month fuel consumption of the

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turbine and supplemental burner. The consecutive 12 month fuel consumption shall be determined by adding the current month's fuel consumption to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-130-0070].

d. Reporting Requirements

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

7. Startup, Shutdown and Malfunction Events and Exceedances

a. Limitations or Restrictions

- i. Startup Event Duration: ≤ 75 minutes [P-130-0070]
- ii. Shutdown Event: ≤ 45 minutes [P-130-0070]
- iii. In the event that a malfunction causing either an emission exceedance or a parameter monitored out of recommended range is not corrected within three hours, the Permittee shall immediately institute shutdown of the turbine/supplemental burner. [P-130-0070]
- iv. The Permittee shall minimize emissions during periods of startup and shutdown by the following work practices and time constraints: [P-130-0070]
 - (A) Start the ammonia injection as soon as minimum catalyst temperature is reached;
 - (B) The oxidation catalyst shall not be bypassed during startup or shutdown; and
 - (C) Emissions during these periods shall be counted towards the annual emission limits stated herein.

b. Monitoring Requirements

- i. Record keeping specified in Section III.K.7.c of this Title V permit shall be sufficient to meet other Monitoring Requirements pursuant to RCSA §22a-174-33. [RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. The Permittee shall operate and maintain this equipment in accordance with the manufacturer's specifications and written recommendations. [P-130-0070]
- iii. The Permittee shall operate and maintain this equipment, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction. [P-130-0070]

c. Record Keeping Requirements

- i. The Permittee shall keep records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the turbine and supplemental burner; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. Such records shall contain the following information: [P-130-0070, 40 CFR §60.7(b)]
 - (A) Type of event (startup, shutdown or malfunction);
 - (B) Equipment affected;
 - (C) Date of event;
 - (D) Duration of event (minutes); and

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- (E) Total NO_x, VOC and CO emissions emitted (lb) during the event.
- ii. The Permittee shall keep records of all exceedances of any emissions limitation or operating parameter. Such records shall include: [P-130-0070]
 - (A) the date and time of the exceedance;
 - (B) a detailed description of the exceedance; and
 - (C) the duration of the exceedance.
- d. *Reporting Requirements*
 - i. The Permittee shall notify the commissioner in writing of any malfunction of the turbine/supplemental burner, the air pollution control equipment or the CEMS. The Permittee shall submit such notification within ten days of the malfunction. The notification shall include the following: [P-130-0070]
 - (A) a description of the malfunction and a description of the circumstances surrounding the cause or likely cause of such malfunction; and
 - (B) a description of all corrective actions and preventive measures taken and/or planned with respect to such malfunction and the dates of such actions and measures.
 - ii. The Permittee shall notify the commissioner in writing of any exceedance of an emissions limitation or operating parameter, and shall identify the cause or likely cause of such exceedance, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows: [P-130-0070]
 - (A) For any hazardous air pollutant, no later than 24 hours after such exceedance commenced; and
 - (B) For any other regulated air pollutant or operating parameter, no later than ten days after such exceedance commenced.
 - iii. The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

8. Control Equipment: SCR and Oxidation Catalyst

a. Limitation or Restriction

The Permittee shall properly operate the control equipment at all times that this equipment is in operation and emitting air pollutants. [P-130-0070]

b. Monitoring Requirements

- i. The Permittee shall continuously monitor and continuously record the following SCR parameters and maintain these parameters within the ranges recommended by the manufacturer. [P-130-0070]:
 - (A) SCR aqueous ammonia injection rate (lb/hr);
 - (B) Operating temperature (°F); and
 - (C) Pressure drop across the catalyst bed (inches of water).
- ii. The Permittee shall continuously monitor and continuously record the oxidation catalyst inlet temperature (°F) and maintain this parameter within the range recommended by the manufacturer. [P-130-0070]

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iii. The Permittee shall perform inspections of the SCR and oxidation catalysts as recommended by the manufacturer. [P-130-0070]

c. Record Keeping Requirements

i. The Permittee shall keep documentation of the parameters specified in Section III.K.8.b of this Title V permit. [P-130-0070]

ii. The Permittee shall keep records of each aqueous ammonia delivery, including: [P-130-0070]

(A) Date of delivery;

(B) Name of the supplier;

(C) Quantity of aqueous ammonia delivered; and

(D) The percentage of ammonia in solution, by weight.

iii. The Permittee shall keep records of the inspection and maintenance of the control equipment, including: [P-130-0070]

(A) Name of the person;

(B) The date;

(C) The results or actions; and

(D) The date any parts or catalyst is replaced.

d. Reporting Requirements

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

L. EMISSIONS UNIT 42 (EU-42) – Combustion Turbine #2

Subject to P-130-0071, RCSA §§22a-174-22e, 40 CFR Part 60 Subpart KKKK

1. PM/PM₁₀/PM_{2.5} (Limits for each Pollutant)

a. Limitations or Restrictions

Turbine Emissions [P-130-0071]

i. ≤ 1.44 lb/hr

ii. ≤ 0.0082 lb/MMBtu

iii. ≤ 6.31 tpy

b. Monitoring and Testing Requirements

Demonstration of compliance with the above emission limits may be met by calculating the emission rates using stack test data for this source or, if none is available, emission factors from the following sources: Compilation of Air Pollutant Emission Factors, AP-42, fifth edition, Section 3.1, April 2000. [P-130-0071]

c. Record Keeping Requirements

The Permittee shall calculate and record the monthly and consecutive 12 month PM, PM₁₀, PM_{2.5} emissions in units of tons. The consecutive 12 month emissions shall be determined by adding (for each

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pollutant) the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-130-0071]

d. Reporting Requirements

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

2. SO₂

a. Limitations or Restrictions

Turbine Emissions [P-130-0071]

- i. ≤ 0.245 lb/hr
- ii. ≤ 0.0014 lb/MMBtu
- iii. ≤ 1.07 tpy

b. Monitoring Requirements

- i. Demonstration of compliance with the above emission limits may be met by calculating the emission rates using stack test data for this source or, if none is available, emission factors from the following sources: Compilation of Air Pollutant Emission Factors, AP-42, fifth edition, Section 3.1, April 2000. [P-130-0071]
- ii. The Permittee may elect not to monitor the total sulfur content of the natural gas, in accordance with 40 CFR §60.4365 Subpart KKKK, if the potential emissions do not exceed 0.060 lb SO₂/MMBtu. This demonstration may be made using the purchase contract specifying that the fuel sulfur content for the natural gas is less than or equal to 20 grains of sulfur/100 standard cubic feet and results in potential emissions not exceeding 0.060 lb SO₂/MMBtu. This determination shall be done on an annual basis pursuant to 40 CFR §60.4415 Subpart KKKK. [P-130-0071]

c. Record Keeping Requirements

The Permittee shall calculate and record the monthly and consecutive 12 month SO₂ emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-130-0071]

d. Reporting Requirements

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

3. NO_x

a. Limitations or Restrictions

- i. Turbine Emissions (Except during startup or shutdown events)
 - (A) ≤ 9.68 lb/hr [P-130-0071]
 - (B) ≤ 0.0554 lb/MMBtu [P-130-0071]
 - (C) ≤ 15.0 ppmvd @ 15% O₂ [P-130-0071]

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(D) Prior to June 1, 2023: ≤ 55 ppmvd @ 15% O₂ [RCSA §22a-174-22e(d)(4)(A)]

(E) On and after June 1, 2023: ≤ 40 ppmvd @ 15% O₂ [RCSA §22a-174-22e(d)(4)(C)]

(F) ≤ 25.0 ppmvd @15% O₂, [40 CFR 60 Subpart KKKK]

ii. Startup Event Emissions [P-130-0071]

2.1 lb/event

iii. Shutdown Event Emissions [P-130-0071]

2.4 lb/event

iv. Total Annual Emissions (Including steady-state, startup and shutdown events) [P-130-0071]

≤ 42.4 tpy

b. *Monitoring and Testing Requirements*

i. The Permittee shall perform NO_x emissions testing in accordance with 40 CFR §60.4400 Subpart KKKK and in accordance with the [Emission Test Guidelines](#) available on the DEEP website. Such emissions testing shall be performed on an annual basis, with test results submitted within 60 days after test completion in units of lb/hr, ppmvd @ 15% O₂ and lb/MMBtu. If the NO_x emissions testing results from the current test is less than or equal to 18.75 ppm @ 15 % O₂ (75% of the 40 CFR Part 60 Subpart KKKK limit of 25 ppm @ 15% O₂), subsequent emission testing frequency may be reduced to every two years. [P-130-0071, 40 CFR Part 60 Subpart KKKK]

ii. The Permittee shall demonstrate compliance with the applicable NO_x limitation of 40 CFR §60.4320 Subpart KKKK, Table 1.

c. *Record Keeping Requirements*

i. The Permittee shall calculate and record the monthly and consecutive 12 month NO_x emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-130-0071]

ii. The Permittee shall keep records of the date and work performed for repairs, replacement of parts and other maintenance conducted on this unit. [RCSA §22a-174-22e(j)(2)(B)]

iii. The Permittee shall keep documentation of the dates and times of all emission testing conducted on this unit, the persons performing the measurements, the testing methods used, the operating conditions at the time of the testing and the results of such testing. [RCSA §22a-174-22e(j)(2)(C)]

d. *Reporting Requirements*

i. Not more than 60 days after the completion of emission testing, the Permittee shall submit a written report of the results of such testing to the commissioner. [RCSA §22a-174-22e(k)(1)]

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

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4. VOC

a. Limitations or Restrictions

- i. Turbine Emissions (Except during startup or shutdown events) [P-130-0071]
 ≤ 0.161 lb/hr
- ii. Startup Emissions [P-130-0071]
1.68 lb/event
- iii. Shutdown Emissions [P-130-0071]
1.80 lb/event
- vi. Total Annual Emissions (Including steady-state, startup and shutdown events) [P-130-0071]
 ≤ 0.705 tpy

b. Monitoring and Testing Requirements

- i. The Permittee shall conduct stack testing for VOC in accordance with the [Emission Test Guideline](#), within five years from the date of the previous stack test to demonstrate compliance with the limits given in Section III.L.4 of this Title V permit. Test results shall be submitted within 60 days after completion of testing. Stack test results for VOC shall be reported in units of lb/hr. [P-130-0071]
- ii. Demonstration of compliance with the above emission limits may be met by calculating the emission rates using stack test data for this source or, if none is available, emission factors from the following sources: Manufacturer's data. [P-130-0071]

c. Record Keeping Requirements

The Permittee shall calculate and record the monthly and consecutive 12 month VOC emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-130-0071]

d. Reporting Requirements

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

5. CO

a. Limitations or Restrictions

- i. Turbine Emissions (Except during startup or shutdown events) [P-130-0071]
 ≤ 0.982 lb/hr
- ii. Startup Emissions [P-130-0071]
19.56 lb/event
- iii. Shutdown Emissions [P-130-0071]
21.0 lb/event

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- iv. Total Annual Emissions (Including steady-state, startup and shutdown events) [P-130-0071]
 ≤ 4.30 tpy

b. *Monitoring and Testing Requirements*

- i. The Permittee shall conduct stack testing for CO in accordance with the [Emission Test Guideline](#), within five years from the date of the previous stack test to demonstrate compliance with the limits given in Section III.L.5 of this Title V permit. Test results shall be submitted within 60 days after completion of testing. Stack test results for CO shall be reported in units of lb/hr. [P-130-0071]
- ii. Demonstration of compliance with the above emission limits may be met by calculating the emission rates using stack test data for this source or, if none is available, emission factors from the following sources: Manufacturer's data. [P-130-0071]

c. *Record Keeping Requirements*

The Permittee shall calculate and record the monthly and consecutive 12 month CO emissions in units of tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [P-130-0071]

d. *Reporting Requirements*

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

6. Maximum Annual Fuel Consumption

a. *Limitations or Restrictions*

Turbine: ≤ 1502 MMft³ natural gas over any consecutive 12 month period [P-130-0071]

b. *Monitoring Requirements*

The Permittee shall use individual non-resettable totalizing fuel metering devices or billing meters to continuously monitor and record the fuel feed to the turbine. [P-130-0071]

c. *Record Keeping Requirements*

- i. The Permittee shall keep documentation of all measured fuel flow rates on a continuous basis. [RCSA §22a-174-33(j)(1)(K)]
- ii. The Permittee shall keep records of monthly and consecutive 12 month fuel consumption of the turbine. The consecutive 12 month fuel consumption shall be determined by adding the current month's fuel consumption to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the end of the previous month. [130-0071].

d. *Reporting Requirements*

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

7. Startup, Shutdown and Malfunction Events and Exceedances

a. *Limitations or Restrictions*

- i. Startup Event Duration: ≤ 20 minutes [P-130-0071]

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- ii. Shutdown Event: ≤ 20 minutes [P-130-0071]
- iii. In the event that a malfunction causing either an emission exceedance or a parameter monitored out of recommended range is not corrected within three hours, the Permittee shall immediately institute shutdown of the turbine. [P-130-0071]
- iv. The Permittee shall minimize emissions during periods of startup and shutdown by the following work practices and time constraints: [P-130-0071]
 - (A) The oxidation catalyst shall not be bypassed during startup or shutdown; and
 - (B) Emissions during these periods shall be counted towards the annual emission limits stated herein.

b. Monitoring Requirements

- i. Record keeping specified in Section III.L.7.c of this Title V permit shall be sufficient to meet other Monitoring Requirements pursuant to RCSA §22a-174-33. [RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. The Permittee shall operate and maintain this equipment in accordance with the manufacturer's specifications and written recommendations. [P-130-0071]
- iii. The Permittee shall operate and maintain this equipment, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction. [P-130-0071]

c. Record Keeping Requirements

- i. The Permittee shall keep records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the turbine; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. Such records shall contain the following information: [P-130-0071, 40 CFR §60.7(b)]
 - (A) Type of event (startup, shutdown or malfunction);
 - (B) Equipment affected;
 - (C) Date of event;
 - (D) Duration of event (minutes); and
 - (E) Total NO_x, VOC and CO emissions emitted (lb) during the event.
- ii. The Permittee shall keep records of all exceedances of any emissions limitation or operating parameter. Such records shall include: [RCSA §22a-174-33(j)(1)(K)]
 - (A) the date and time of the exceedance;
 - (B) a detailed description of the exceedance; and
 - (C) the duration of the exceedance.

d. Reporting Requirements

- i. The Permittee shall notify the commissioner in writing of any malfunction of the turbine, the air pollution control equipment. The Permittee shall submit such notification within ten days of the malfunction. The notification shall include the following: [P-130-0071]
 - (A) a description of the malfunction and a description of the circumstances surrounding the cause or

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likely cause of such malfunction; and

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

ii. The Permittee shall notify the commissioner in writing of any exceedance of an emissions limitation or operating parameter, and shall identify the cause or likely cause of such exceedance, all corrective actions and preventive measures taken with respect thereto, and the dates of such actions and measures as follows: [P-130-0071]

(A) For any hazardous air pollutant, no later than 24 hours after such exceedance commenced; and

(B) For any other regulated air pollutant or operating parameter, no later than ten days after such exceedance commenced.

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

8. Control Equipment: Oxidation Catalyst

a. Limitation or Restriction

The Permittee shall properly operate the control equipment at all times that this equipment is in operation and emitting air pollutants. [P-130-0071]

b. Monitoring Requirements

i. The Permittee shall continuously monitor and continuously record the oxidation catalyst inlet temperature and maintain this parameter within the range recommended by the manufacturer. [P-130-0071]

ii. The Permittee shall perform inspections of the oxidation catalysts as recommended by the manufacturer. [P-130-0071]

c. Record Keeping Requirements

i. The Permittee shall keep documentation of the parameter specified in Section III.L.8.b of this Title V permit. [P-130-0071]

ii. The Permittee shall keep records of the inspection and maintenance of the control equipment, including: [P-130-0071]

(A) Name of the person;

(B) The date;

(C) The results or actions; and

(D) The date any parts or catalyst is replaced.

d. Reporting Requirements

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

Section III: Applicable Requirements and Compliance Demonstration

M. PREMISES-WIDE GENERAL REQUIREMENTS

Premises-Wide General Requirements

1. **Annual Emission Statements:** The Permittee shall submit annual emission statements requested by the commissioner as set forth in RCSA §22a-174-4a(b)(1).
2. **Emissions Testing:** The Permittee shall comply with the procedures for sampling, emission testing, sample analysis, and reporting as set forth in RCSA §22a-174-5.
3. **Emergency Episode Procedures:** The Permittee shall comply with the procedures for emergency episodes as set forth in RCSA §22a-174-6.
4. **Reporting of Malfunctioning Control Equipment:** The Permittee shall comply with the reporting requirements of malfunctioning control equipment as set forth in RCSA §22a-174-7.
5. **Prohibition of Air Pollution:** The Permittee shall comply with the requirement to prevent air pollution as set forth in RCSA §22a-174-9.
6. **Public Availability of Information:** The public availability of information shall apply, as set forth in RCSA §22a-174-10.
7. **Prohibition Against Concealment/Circumvention:** The Permittee shall comply with the prohibition against concealment or circumvention as set forth in RCSA §22a-174-11.
8. **Violations and Enforcement:** The Permittee shall not violate or cause the violation of any applicable regulation as set forth in RCSA §22a-174-12.
9. **Variances:** The Permittee may apply to the commissioner for a variance from one or more of the provisions of these regulations as set forth in RCSA §22a-174-13.
10. **No Defense to Nuisance Claim:** The Permittee shall comply with the regulations as set forth in RCSA §22a-174-14.
11. **Severability:** The Permittee shall comply with the severability requirements as set forth in RCSA §22a-174-15.
12. **Responsibility to Comply:** The Permittee shall be responsible to comply with the applicable regulations as set forth in RCSA §22a-174-16.
13. **Particulate Emissions:** The Permittee shall comply with the standards for control of particulate matter and visible emissions as set forth in RCSA §22a-174-18. (Section 18 approved by EPA on 9-23-1982, current Regulation submitted to EPA on 12-1-2004.)
14. **Fuel Sulfur Content:** The Permittee shall not use No. 2 heating oil that exceeds fifteen parts per million of sulfur by weight as set forth in CGS §16a-21a(a)(2)(B) .
15. **Sulfur Compound Emissions:** The Permittee shall comply with the requirements for control of sulfur compound emissions as set forth in RCSA §22a-174-19, 22a-174-19a and 22a-174-19b, as applicable.
16. **Organic Compound Emissions:** The Permittee shall comply with the requirements for control of organic compound emissions as set forth in RCSA §22a-174-20.
17. **Nitrogen Oxide Emissions:** The Permittee shall comply with the requirements for control of nitrogen oxide emissions as set forth in RCSA §§22a-174-22e and 22a-174-22f, as applicable.
18. **Ambient Air Quality:** The Permittee shall not cause or contribute to a violation of an ambient air quality standard as set forth in RCSA §22a-174-24(b).

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- 19. Open Burning:** The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).
- 20. Asbestos:** Should the premises, as defined in 40 CFR §61.145, become subject to the national emission standard for asbestos regulations in 40 CFR Part 61 Subpart M when conducting any renovation or demolition at this premises, then the Permittee shall submit proper notification as described in 40 CFR §61.145(b) and shall comply with all other applicable requirements of 40 CFR Part 61 Subpart M.
- 21. Emission Fees:** The Permittee shall pay an emission fee as set forth in RCSA §22a-174-26(d).

Section IV: Compliance Schedule

No steps are required for achieving compliance at this time.

Section V: State Enforceable Terms and Conditions

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

SECTION V: STATE ENFORCEABLE TERMS AND CONDITIONS

- A.** This Title V permit does not relieve the Permittee of the responsibility to conduct, maintain and operate the emissions units in compliance with all applicable requirements of any other Bureau of the Department of Energy and Environmental Protection or any federal, local or other state agency. Nothing in this Title V permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- B.** Nothing in this Title V permit shall affect the commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, investigate air pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the Permittee by the commissioner.
- C. Additional Emissions Units**
- 1.** The Permittee shall make and submit a written record, at the commissioner's request, within 30 days of receipt of notice from the commissioner, or by such other date specified by the commissioner, of each additional emissions unit or group of similar or identical emissions units at the premises.
 - 2.** Such record of additional emissions units shall include each emissions unit, or group of emissions units, at the premises which is not listed in Section II.A of this Title V permit, unless the emissions unit, or group of emissions units, is:
 - a. an insignificant emissions unit as defined in RCSA §22a-174-33; or
 - b. an emissions unit or activity listed in *White Paper for Streamlined Development of Part 70 Permit Applications, Attachment A* (EPA guidance memorandum dated July 10, 1995).
 - 3.** For each emissions unit, or group of emissions units, on such record, the record shall include, as available:
 - a. Description, including make and model;
 - b. Year of construction/installation or if a group, range of years of construction/installation;
 - c. Maximum throughput or capacity; and
 - d. Fuel type, if applicable.
- D. Odors:** The Permittee shall not cause or permit the emission of any substance or combination of substances which creates or contributes to an odor that constitutes a nuisance beyond the property boundary of the premises as set forth in RCSA §22a-174-23.
- E. Noise:** The Permittee shall operate in compliance with the regulations for the control of noise as set forth in RCSA §§22a-69-1 through 22a-69-7.4, inclusive.
- F. Hazardous Air Pollutants (HAPs):** The Permittee shall operate in compliance with the regulations for the control of HAPs as set forth in RCSA §22a-174-29.

Section VI: Title V Requirements

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

SECTION VI: TITLE V REQUIREMENTS

A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR

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

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

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

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

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

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

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

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

1. The facilities employ more than 250 persons or have gross annual sales or expenditures exceeding 25 million dollars in second quarter 1980 dollars; or
2. The delegation of authority to the duly authorized representative has been given in writing by an officer of the corporation in accordance with corporate procedures and the following:

Section VI: Title V Requirements

- i. Such written authorization specifically authorizes a named individual, or a named position, having responsibility for the overall operation of the Title V premises or activity,
- ii. Such written authorization is submitted to the commissioner and has been approved by the commissioner in advance of such delegation. Such approval does not constitute approval of corporate procedures, and
- iii. If a duly authorized representative is a named individual in an authorization submitted under subclause ii. of this subparagraph and a different individual is assigned or has assumed the responsibilities of the duly authorized representative, or, if a duly authorized representative is a named position in an authorization submitted under subclause ii. of this subparagraph and a different named position is assigned or has assumed the duties of the duly authorized representative, a new written authorization shall be submitted to the commissioner prior to or together with the submission of any application, document, report or certification signed by such representative.

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

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

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

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

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

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

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

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

1. The type of monitoring or records used to obtain such data, including record keeping;
2. The date, place, and time of sampling or measurement;
3. The name of the individual who performed the sampling or the measurement and the name of such individual's employer;
4. The date(s) on which analyses of such samples or measurements were performed;
5. The name and address of the entity that performed the analyses;

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6. The analytical techniques or methods used for such analyses;
7. The results of such analyses;
8. The operating conditions at the subject source at the time of such sampling or measurement; and
9. All calibration and maintenance records relating to the instrumentation used in such sampling or measurements, all original strip-chart recordings or computer printouts generated by continuous monitoring instrumentation, and copies of all reports required by the subject permit.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Section VI: Title V Requirements

permit renewal application.

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

This Title V permit shall not be deemed to:

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

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

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

N. PERMIT AVAILABILITY

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

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

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

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

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

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

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

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

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

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

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

Section VI: Title V Requirements

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

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

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

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

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

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

V. TRANSFERS [RCSA §22a-174-2a(g)]

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

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

W. REVOCATION [RCSA §22a-174-2a(h)]

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

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

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

Section VI: Title V Requirements

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

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

Y. CREDIBLE EVIDENCE

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