



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	August 21, 2017
Expiration Date	August 21, 2022

Corporation:

Kimberly-Clark Corporation, New Milford Mill

Premises Location:

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

Name of Responsible Official and Title:

Gary D. Wright, Mill Manager

All the following attached pages, 2 through 46, are hereby incorporated by reference into this Title V permit.

/s/Anne Gobin for _____
Robert J. Klee
Commissioner

August 21, 2017
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
h	Hour
hp	Horse-power
HAP	Hazardous Air Pollutant
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
ppmv	Parts per Million, volumetric basis
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
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 also serves as the northeast distribution center for Kimberly-Clark products. The facility produces family care tissue products and paper towels. Air emissions sources at the facility include a boiler, cogeneration equipment, tissue and towel converting equipment, diesel fire pumps, emergency generators, fuel storage tanks, cold cleaner maintenance parts washers, and raw water and process waste water 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/h Boiler	Oxygen Trim, Flue Gas Recirculation	R-130-0019 RCSA §22a-174-22
EU 4a	Tissue Machine #1 Hood Burners	Low NO _x Burners	P-130-0026 RCSA §22a-174-22
EU 4b	Tissue Machine #1, Tissue Manufacturing	.1 wet scrubber, 2 drum filters, 1 cyclone (not in series)	O-8190 RCSA §22a-174-18
EU 5a	Tissue Machine #2 Hood Burners	Low NO _x Burners	P-130-0014 RCSA §22a-174-22
EU 5b	Tissue Machine #2, Tissue Manufacturing	.1 wet scrubber, 2 drum filters, 1 cyclone (not in series)	O-8190 RCSA §22a-174-18
EU 13	Multifolder #1	Drum filters and dust collector	RCSA §22a-174-18
EU 14	Multifolder #2	Drum filters and dust collector	RCSA §22a-174-18
EU 16	Off-Line Printer/Winder #1	Wet Scrubber	P-130-0033
EU 18	Pocket Pack Line	Drum filters and dust collector	RCSA §22a-174-18
EU 31	Fire Pump #1	None	RCSA §22a-174-3b(e) 40 CFR Part 63 Subpart ZZZZ
EU 32	Fire Pump #2	None	RCSA §22a-174-3b(e) 40 CFR Part 63 Subpart ZZZZ
EU 33	Emergency Generator #1	None	RCSA §22a-174-3b(e) 40 CFR Part 63 Subpart ZZZZ
EU 34	Emergency Generator #2	None	40 CFR Part 63 Subpart ZZZZ
EU 35	Cold Cleaner Maintenance Parts Washers	None	RCSA §22a-174-20(l)
EU 36	Raw Water Treatment Plant-Chemicals Used	None	O-8190
EU 37	Effluent Treatment Plant Chemicals Used	None	O-8190
EU 38	Fire Pump #3	None	RCSA §22a-174-3b(e) 40 CFR Part 63 Subpart ZZZZ
EU 40	Emergency Generator for Fire Protection Water Bed, 10 hp	None	40 CFR Part 63 Subpart ZZZZ RCSA §22a-174-19b

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 41	Solar Titan 130 Combustion Turbine #1 with Eclipse 30FFB-SP Supplemental Burner	SCR, VOC/CO Oxidation Catalyst	P-130-0070 RCSA §22a-174-22 40 CFR Part 60 Subpart KKKK
EU 42	Solar Titan 130 Combustion Turbine #2	VOC/CO Oxidation Catalyst	P-130-0071 RCSA §22a-174-22 40 CFR Part 60 Subpart KKKK
EU 43	Emergency Generator for Effluent Treatment Plant (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
GEU 4	EU 31-33, 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 scenarios without notifying the commissioner, provided that such operations are explicitly provided for and described in the table below. The Permittee shall record contemporaneously with the operation of emissions units, the operating scenario under which each emissions unit is operating in a log to be kept at the subject premises.

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 – Boiler (Subject to R-130-0019, RCSA §§22a-174-22, -22e)

1. NO_x

a. Limitation or Restriction

≤ 0.20 lb/MMBtu, firing natural gas [RCSA §§22a-174-22(e), -22e(d)(3)]

b. Monitoring Requirements

- i. Prior to June 1, 2018, the Permittee shall conduct emissions tests at least once every five years. Such tests shall be conducted no later than five years from the date of the last test for the subject unit or no later than five years from the date the last test for the subject unit should have been conducted, whichever is earlier. Compliance with the emission limitations shall be determined based on the average of three one-hour tests, each performed over a consecutive 60-minute period and performed in accordance with RCSA §22a-174-5. [RCSA §22a-174-22(k)(1)]
- ii. Prior to June 1, 2018, the Permittee shall demonstrate compliance with emission limitations of this section using sampling and analytical procedures approved under 40 CFR Part 60, Appendix A, or under procedures in RCSA §22a-174-5(d). Sampling shall be conducted when the source is at normal operating temperature and, unless allowed otherwise by the commissioner in a permit or order, is operating at or above 90 percent of maximum rated capacity for a fuel-burning source or at or above ninety 90 percent of design capacity for a waste combustor. Notwithstanding such requirement, any source which has operated in excess of 100 percent of its maximum rated capacity at any time since January 1, 1990 shall be tested when the source is operating at or above 90 percent of its highest operating rate since January 1, 1990. [RCSA §22a-174-22(k)(2)]
- iii. On and after June 1, 2018, 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)]
- iv. On and after June 1, 2018, 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. On and after June 1, 2018, 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

Section III: Applicable Requirements and Compliance Demonstration

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)]

(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 subsection (d) of this section 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 this section 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.

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

- i. Records of all tune-ups, repairs, replacement of parts and other maintenance. [Prior to May 1, 2018: RCSA §22a-174-22(l)(1)(D), on and after May 1, 2018: RCSA §22a-174-22e(j)(2)(B)]
- ii. Copies of all documents submitted to the commissioner pursuant to Section III.A.1.b of this Title V permit. [Prior to May 1, 2018: RCSA §22a-174-22(l)(1)(E), on and after May 1, 2018: RCSA §22a-174-22e(j)(2)(F)]
- iii. Procedures for calculating NO_x emission rates. [RCSA §22a-174-22(l)(1)(G)]
- iv. 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. [Prior to May 1, 2018: RCSA §22a-174-22(l)(1)(H), on and after May 1, 2018: RCSA §22a-174-22e(j)(2)(C)]
- v. On and after May 1, 2018, 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)(E)]

d. Reporting Requirements

- i. The Permittee shall provide the records specified in Section III.A.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-174-4(d)(1)]
- ii. Prior to June 1, 2018, within 30 days of the completion of emission tests, the Permittee shall submit a written report of the results of such testing to the commissioner. [RCSA §22a-174-22(l)(2)]
- iii. On and after June 1, 2018, 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)]

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

Section III: Applicable Requirements and Compliance Demonstration

1. PM₁₀

a. Limitation or Restriction for Each Emissions Unit

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

b. Monitoring Requirements

- i. 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)]
- ii. The Permittee shall verify annual emissions by adding the current month's emissions to the previous 11 months' emissions. The Permittee shall perform this calculation monthly. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

The Permittee shall keep records of monthly and annual fuel usage and emissions. [RCSA §22a-174-33(o)(2)]

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.B.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-174-4(d)(1)]

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/h [P-130-0026, P-130-0014]
- iii. ≤ 0.077 tpy [P-130-0026, P-130-0014]

b. Monitoring Requirements

- i. 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)]
- ii. The Permittee shall verify annual emissions by adding the current month's emissions to the previous 11 months' emissions. The Permittee shall perform this calculation monthly. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

The Permittee shall keep records of monthly and annual fuel usage and emissions. [RCSA §22a-174-33(o)(2)]

d. Reporting Requirements

Section III: Applicable Requirements and Compliance Demonstration

The Permittee shall provide the records specified in Section III.B.2.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-174-4(d)(1)]

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/h [P-130-0026, P-130-0014]
- iii. ≤ 2.63 tpy [P-130-0026, P-130-0014]

b. Monitoring Requirements

- i. 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)]
- ii. The Permittee shall verify annual emissions by adding the current month's emissions to the previous 11 months' emissions. The Permittee shall perform this calculation monthly. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

The Permittee shall keep records of monthly and annual fuel usage and emissions. [RCSA §22a-174-33(o)(2)]

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.B.3.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-174-4(d)(1)]

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/h [P-130-0026, P-130-0014]
- iii. ≤ 19.18 tpy [P-130-0026, P-130-0014]

b. Monitoring Requirements

- i. 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)]

Section III: Applicable Requirements and Compliance Demonstration

- ii. The Permittee shall verify annual emissions by adding the current month's emissions to the previous 11 months' emissions. The Permittee shall perform this calculation monthly. [RCSA §22a-174-33(j)(1)(K)(ii)]

- c. *Record Keeping Requirements*

The Permittee shall make and maintain the following records:

The Permittee shall keep records of monthly and annual fuel usage and emissions. [RCSA §22a-174-33(o)(2)]

- d. *Reporting Requirements*

The Permittee shall provide the records specified in Section III.B.4.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-174-4(d)(1)]

5. NO_x

- a. *Limitation or Restriction for Each Emissions Unit*

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

- 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-174-22, -22e and -33(j)(1)(K)(ii)]
- ii. Prior to June 1, 2018, the Permittee shall conduct emissions tests at least once every five years. Such tests shall be conducted no later than five years from the date of the last test for the subject unit or no later than five years from the date the last test for the subject unit should have been conducted, whichever is earlier. Compliance with the emission limitations shall be determined based on the average of three one-hour tests, each performed over a consecutive 60-minute period and performed in accordance with RCSA §22a-174-5. [RCSA §22a-174-22(k)(1)]
- iii. Prior to June 1, 2018, the Permittee shall demonstrate compliance with emission limitations of this section using sampling and analytical procedures approved under 40 CFR Part 60, Appendix A, or under procedures in RCSA §22a-174-5(d). Sampling shall be conducted when the source is at normal operating temperature and, unless allowed otherwise by the commissioner in a permit or order, is operating at or above 90 percent of maximum rated capacity for a fuel-burning source or at or above 90 percent of design capacity for a waste combustor. Notwithstanding such requirement, any source which has operated in excess of 100 percent of its maximum rated capacity at any time since May 31, 1995 shall be tested when the source is operating at or above 90 percent of its highest operating rate since May 31, 1995. [RCSA §22a-174-22(k)(2)]
- iv. On and after June 1, 2018, 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)]
- v. On and after June 1, 2018, 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

Section III: Applicable Requirements and Compliance Demonstration

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.
- vi. On and after June 1, 2018, 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)]
- (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 subsection (d) of this section 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 this section 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.
- viii. The Permittee shall verify annual emissions shall be verified by adding the current month's emissions to the previous 11 months' emissions. The Permittee shall perform this calculation monthly. [RCSA §22a-174-33(j)(1)(K)(ii)]
- c. *Record Keeping Requirements*
- The Permittee shall make and maintain the following records:
- i. Records of monthly and annual fuel usage and emissions shall be kept. [RCSA §22a-174-33(o)(2)]
 - ii. Records of all tune-ups, repairs, replacement of parts and other maintenance.
[Prior to May 1, 2018: RCSA §22a-174-22(l)(1)(D), on and after May 1, 2018: RCSA §22a-174-22e(j)(2)(B)]
 - iii. Copies of all documents submitted to the commissioner pursuant to Section III.B.5.b of this Title V permit.
[Prior to May 1, 2018: RCSA §22a-174-22(l)(1)(E), on and after May 1, 2018: RCSA §22a-174-22e(j)(2)(F)]
 - iv. Procedures for calculating NO_x emission rates. [RCSA §22a-174-22(l)(1)(G)]
 - v. 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

Section III: Applicable Requirements and Compliance Demonstration

at the time of testing, and the results of such testing.

[Prior to May 1, 2018: RCSA §22a-174-22(l)(1)(H), on and after May 1, 2018: RCSA §22a-174-22e(j)(2)(C)]

d. Reporting Requirements

- i. The Permittee shall provide the records specified in Section III.B.5.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-174-4(d)(1)]
- ii. Prior to June 1, 2018, within 30 days of the completion of emission tests, the Permittee shall submit a written report of the results of such testing to the commissioner. [RCSA §22a-174-22(l)(2)]
- iii. On and after June 1, 2018, 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)]

6. Annual Fuel Usage

a. Limitation or Restriction

Natural gas firing: ≤ 257.7 MMft³ per tissue machine hood [P-130-0026, P-130-0014]

b. Monitoring Requirements

- i. The Permittee shall operate, calibrate and maintain a continuous monitoring system which shall continuously monitor and record the fuel firing rate of each unit. [P-130-0014, P-130-0026]
- ii. The Permittee shall calculate annual fuel usage by adding the current month's fuel usage to the previous 11 months' fuel usage. The Permittee shall perform this calculation monthly. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

- i. Documentation of all measured fuel usage rates on a continuous basis. [RCSA §22a-174-4(d)(1)]
- ii. Documentation of monthly and annual fuel use calculations. [RCSA §22a-174-4(d)(1)]
- iii. Documentation of all calculations and assumptions made. [RCSA §22a-174-4(d)(1)]
- iv. Documentation of all testing, calibration and maintenance of the monitoring and recording equipment. [RCSA §22a-174-4(d)(1)]

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.B.6.c 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-174-4(d)(1)]

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C. GROUPED EMISSIONS UNIT 2 (EU-4b, 5b) – Tissue Manufacturing (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*

The Permittee shall calculate VOC emissions based on the VOC content of the additives and the amount of said additive utilized by GEU 2. [O-8190]

c. *Record Keeping Requirements*

The Permittee shall make and maintain the following records:

- i. Calculation of VOC emissions shall be made on a monthly and annual basis. [O-8190]
- ii. Purchase records of additives and documentation of additive VOC content shall be kept. [O-8190, RCSA §22a-174-33(o)(2)]

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 provide the records specified in Section III.C.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-174-4(d)(1)]

2. PM₁₀

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

a. *Limitations or Restrictions*

$$PM_{10} \text{ (lb/h)} = 10^{\log(3.59) + 0.62 \cdot \log(F)}$$

where F = feed rate (tons/h)

b. *Monitoring Requirements*

The Permittee shall verify PM₁₀ emissions using filter pressure drop, process feed rate and manufacturer's data. [RCSA §22a-174-18(f)]

c. *Record Keeping Requirements*

The Permittee shall make and maintain the following records:

Documentation of filter pressure drop shall be made once daily. [RCSA §22a-174-33(o)(2)]

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d. Reporting Requirements

The Permittee shall provide the records specified in Section III.C.2.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-174-4(d)(1)]

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

1. PM₁₀

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

a. Limitations or Restrictions

$$PM_{10} \text{ (lb/h)} = 10^{[\log(3.59) + 0.62 \cdot \log(F)]}$$

where F = feed rate (tons/h)

b. Monitoring and Testing Requirements

The Permittee shall verify PM₁₀ emissions using filter pressure drop, process feed rate and manufacturer's data. [RCSA §22a-174-18(f)]

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

Documentation of filter pressure drop shall be made once daily. [RCSA §22a-174-33(o)(2)]

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.D.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-174-4(d)(1)]

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

1. PM₁₀

a. Limitations or Restrictions

$$\leq 3.1 \text{ tpy}$$

b. Monitoring Requirements

The Permittee shall verify annual emissions by adding the current month's emissions to the previous 11 months' emissions. The Permittee shall perform this calculation monthly. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

Calculations and documentation of PM₁₀ emissions shall be made monthly. [RCSA §22a-174-33(o)(2)]

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d. Reporting Requirements

The Permittee shall provide the records specified in Section III.E.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-174-4(d)(1)]

2. VOC

a. Limitations or Restrictions

≤ 8.5 tpy

b. Monitoring Requirements

The Permittee shall verify annual emissions by adding the current month's emissions to the previous 11 months' emissions. The Permittee shall perform this calculation monthly. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

i. Monthly records of all treatment solutions and diluents used shall be maintained. Such records shall be kept for each individual emissions unit. The records shall contain the following information. [RCSA §22a-174-20(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.

(F) Total amount of diluent used for each treatment solution in pounds and in gallons.

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.E.2.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-174-4(d)(1)]

F. 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

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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 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. On or after May 1, 2008, 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

The Permittee shall make and maintain the following records:

- i. 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 provide the records specified in Section III.F.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-174-4(d)(1)]

G. GROUPED EMISSIONS UNIT 4 (EU 31-33, 38) – Emergency Engines (Subject to RCSA §§22a-174-3b(e), RCSA §22a-174-22, -22e (with the exception of EU-33), 40 CFR Part 63 Subpart ZZZZ)

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

a. Limitations or Restrictions

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- i. ≤ 300 hours in any 12 month rolling aggregate [RCSA §22a-174-3b(e)(2)(A)]
- ii. The Permittee shall properly maintain the subject engine. [RCSA §22a-174-3b(e)(1)]
- iii. The Permittee shall not operate the subject engine except during periods of testing, scheduled maintenance or emergency. [RCSA §22a-174-3b(e)(2)]

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

The Permittee shall make and maintain the following records:

- i. Documentation of the hours of operation for each month and each 12 month rolling aggregate. [RCSA §22a-174-3b(e)(4)]
- ii. Annual operating hours shall be calculated by adding the current month's operating hours to the previous 11 months' operating hours. The Permittee shall perform this calculation monthly. [RCSA §22a-174-3b(e)(4)]
- iii. Documentation of the commissioner's ozone forecast for each day for which these EU's operated during the ozone season. [RCSA 22a-174-4(d)(1)]

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.G.1.c of this Title V permit for the commissioner within 30 days of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

2. Operational Conditions (RCSA §§22a-174-22, -22e with the exception of EU 33)

a. Limitations or Restrictions

The Permittee shall not operate an emergency engine for routine, scheduled testing or maintenance on any day for which the Commissioner has forecast that ozone levels will be "moderate to unhealthy for sensitive groups," "unhealthy for sensitive groups," "unhealthy," or "very unhealthy" is expressly prohibited unless such operation of the engine is allowed by permit or order of the commissioner, because the engine is unattended and the testing is automated and cannot be modified from a remote location.

[Prior to June 1, 2018: RCSA §22a-174-22(b)(3). On and after June 1, 2018: RCSA §22a-174-22e(d)(14)]

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

The Permittee shall make and maintain the following records:

- i. Prior to May 1, 2018, documentation of daily hours of operation distinguishing hours of emergency use from hours of non-emergency use. [RCSA §22a-174-22(l)(1)(A)]
- ii. On and after May 1, 2018 for emergency engines not subject to 40 CFR Part 63 Subpart ZZZZ, the Permittee shall keep records of total monthly operating hours of such engine, identifying the dates

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and operating hours of non-emergency use and the reason for non-emergency operation. For an emergency engine subject to 40 CFR 63 Subpart ZZZZ, records shall be those required by 40 CFR 63.6655. [RCSA 22a-174-22e(j)(2)(A)]

- iii. Prior to May 1, 2018, documentation of the commissioner's ozone forecast for each day for which these EU's operated during the ozone season. [RCSA §§22a-174-4(d)(1), -22(b)(3)]
- iv. Prior to May 1, 2018, documentation of daily, monthly and annual fuel use and daily, monthly and annual hours of operation. [RCSA §22a-174-22(l)(1)(B) and RCSA §22a-174-22(l)(1)(C)]
- v. Documentation of all tune-ups, repairs, replacement of parts and other maintenance. [Prior to May 1, 2018: RCSA §22a-174-22(l)(1)(D). On and after May 1, 2018: RCSA 22a-174-22e(j)(2)(B)]
- vi. Prior to May 1, 2018, documentation of daily, monthly and annual emissions of NO_x and document the procedures to determine such emissions. [RCSA §22a-174-22(l)(1)(G)]

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.G.2.c of this Title V permit for the commissioner within 30 days of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

3. Fuel Sulfur Content

a. Limitations or Restrictions

< 15 ppm for non-gaseous fuel [RCSA §§22a-174-3b(e)(2)(D), -42, 40 CFR §80.520(a)]

b. Monitoring Requirements

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

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

- i. Documentation of the diesel fuel sulfur content as certified by the vendor by any fuel analysis. [RCSA §22a-174-3b(h)]

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.G.3.c of this Title V permit for the commissioner within 30 days of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

4. 40 CFR Part 63 Subpart ZZZZ Requirements

a. Limitations and Restrictions

For these existing emergency compression ignition RICE (< 500 hp, constructed before June 12, 2006, at an area source for HAP), the Permittee shall comply with the requirements contained in Table 2d of 40 CFR Part 63 Subpart ZZZZ for each engine. [40 CFR §63.6603]

b. Monitoring Requirements

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

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c. Record Keeping Requirements

The Permittee shall keep records of the required maintenance conducted. [40 CFR §63.6655(e)]

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.G.4.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-174-4(d)(1)]

H. GROUPED EMISSIONS UNIT 5 (EU 34, 40) – Emergency Engines (Subject to RCSA §22a-174-19b, 40 CFR Part 63 Subpart ZZZZ)

1. Fuel Sulfur Content

a. Limitations or Restrictions

- i. ≤ 500 ppm for non-gaseous fuel used prior to July 1, 2018 [RCSA §22a-174-19b(d)]
- ii. ≤ 15 ppm for non-gaseous fuel used on and after July 1, 2018 [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)]

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

- i. Documentation of the diesel fuel sulfur content as certified by the vendor by any fuel analysis. [RCSA §22a-174-19b(g)(3)]

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.H.1.c of this Title V permit for the commissioner within 30 days of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

2. 40 CFR Part 63 Subpart ZZZZ Requirements

a. Limitations and Restrictions

For these existing emergency compression ignition RICE (< 500 hp, constructed before June 12, 2006, at an area source for HAP), the Permittee shall comply with the requirements contained in Table 2d of 40 CFR Part 63 Subpart ZZZZ for each engine. [40 CFR §63.6603]

b. Monitoring Requirements

Record keeping specified in Section III.H.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

The Permittee shall make and maintain the following records:

The Permittee shall keep records of the required maintenance conducted. [40 CFR §63.6655(e)]

d. Reporting Requirements

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The Permittee shall provide the records specified in Section III.H.2.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-174-4(d)(1)]

I. EMISSIONS UNIT 43 – Emergency Engine (Subject to 40 CFR Part 60 Subpart JJJJ, 40 CFR Part 63 Subpart ZZZZ)

1. 40 CFR Part 60 Subpart JJJJ Requirements

a. Limitations or Restrictions

For new emergency spark ignition RICE (<500 hp, constructed after June 12, 2006 at an area source for HAP and manufactured after Jul 1, 2008):

- i. No limit to the hours of operation in emergency situations. [40 CFR §60.4243(d)(1)]
- ii. 100 hours of operation per calendar year for the purposes of maintenance, testing and non-emergency situations. [40 CFR §60.4243(d)(2)]
- iii. 50 hours of operation per calendar year in non-emergency situations. [40 CFR §60.4243(d)(3)]

b. Monitoring Requirements

Record keeping specified in Section III.I.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. All notifications submitted to the Administrator and commissioner to comply with 40 CFR Part 60 Subpart JJJJ. [40 CFR §60.4245(a)(1)]
- ii. Records of maintenance conducted on the engine. [40 CFR §60.4245(a)(2)]
- iii. Documentation from the manufacturer that the engine is certified to meet the emissions standards and information as required in 40 CFR Parts 90, 1048, 1054 and 1060 as applicable. [40 CFR §60.4245(a)(3)]
- iv. Records of all hours of operation. [RCSA §22a-174-33(j)(1)(K)(ii)]

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-174-4(d)(1)]

2. 40 CFR Part 63 Subpart ZZZZ Requirements

The requirements of 40 CFR Part 63 Subpart ZZZZ are satisfied by complying with the applicable requirements of 40 CFR Part 60 Subpart JJJJ. [40 CFR §63.6590(c)]

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

1. VOC

a. Limitations or Restrictions

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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. [O-8190]
- ii. The Permittee shall verify annual emissions by adding the current month's emissions to the previous 11 months' emissions. The Permittee shall perform this calculation monthly. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

- i. Calculation of VOC emissions shall be made on a monthly and annual basis. Annual emissions shall be calculated by adding the current month's emissions to the previous 11 months' emissions. This calculation shall be made monthly. [O-8190]
- ii. Purchase records of flocculation agent and documentation of flocculation agent VOC content shall be kept. [O-8190, RCSA §22a-174-33(o)(2)]

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 provide the records specified in Section III.J.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-174-4(d)(1)]

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

1. PM/PM₁₀/PM_{2.5} (P-130-0070, Limits for each Pollutant)

a. Limitations or Restrictions

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

b. Monitoring Requirements

Record keeping specified in Section III.K.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

The Permittee shall make and maintain the following records:

Documentation of actual emissions calculations on a monthly and annual basis to demonstrate compliance with the PM, PM₁₀ and PM_{2.5} emissions limitations in Section III.K.1.a of this Title V permit. Annual emissions shall be calculated by adding the current month's emissions to the previous 11 months' emissions. This calculation shall be made monthly. Documentation in support of any assumptions made in these calculations shall be maintained.

[P-130-0070, RCSA §22a-174-33(o)(2)]

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.K.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-174-4(d)(1)]

2. SO₂ (P-130-0070, 40 CFR Part 60 Subpart KKKK)

a. Limitations or Restrictions

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

(A) 0.245 lb/h

(B) 0.0014 lb/MMBtu

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

(A) 0.259 lb/h

(B) 0.0013 lb/MMBtu

(C) 1.14 tpy

b. Monitoring Requirements

Record keeping specified in Section III.K.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

The Permittee shall make and maintain the following records:

i. Documentation of actual emissions calculations on a monthly and annual basis to demonstrate compliance with the SO₂ emissions limitations in Section III.K.2.a of this Title V permit. Annual emissions shall be calculated by adding the current month's emissions to the previous 11 months' emissions. This calculation shall be made monthly. Documentation in support of any assumptions made in these calculations shall be maintained.

[P-130-0070, RCSA §22a-174-33(o)(2)]

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 or 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, 40 CFR 60 Subpart KKKK]

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d. Reporting Requirements

The Permittee shall provide the records specified in Section III.K.2.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-174-4(d)(1)]

3. NO_x (P-130-0070, RCSA §§22a-174-22, -22e, 40 CFR Part 60 Subpart KKKK)

a. Limitations or Restrictions

- i. Turbine Only Emissions (Except during startup or shutdown events) [P-130-0070]
 - (A) 1.62 lb/h
 - (B) 0.0093 lb/MMBtu
 - (C) 2.5 ppmvd @ 15% O₂ (24 h rolling average)
- ii. Turbine and Supplemental Burner Emissions (Except during startup or shutdown events) [P-130-0070]
 - (A) 2.03 lb/h
 - (B) 0.0102 lb/MMBtu
 - (C) 2.5 ppmvd @ 15% O₂ (24 h rolling average)
- 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 CEM system that shall continuously monitor and record NO_x emissions. [P-130-0070]
- ii. The Permittee shall operate the CEM system in accordance with RCSA §22a-174-4(c) and 40 CFR §60.4345 Subpart KKKK.
- iii. The Permittee shall demonstrate compliance with the applicable NO_x limitation of 40 CFR §60.4320 Subpart KKKK.
- 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. [Prior to June 1, 2018: RCSA §22a-174-22(k)(3). On and after June 1, 2018: RCSA §22a-174-22e(m)(4)]

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

- i. Documentation of the NO_x emissions monitoring data on a 24-h rolling average basis. [RCSA §22a-174-4(d)(1)]

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- ii. Calculations of actual NO_x emissions on a monthly and annual basis to demonstrate compliance with the emissions limitations in Section III.K.3.a of this Title V permit. Annual emissions shall be calculated by adding the current month's emissions to the previous 11 months' emissions. This calculation shall be made monthly. Documentation in support of any assumptions made in these calculations shall be maintained. [P-130-0070, RCSA §22a-174-4(d)(1)]
- iii. Documentation of all calculations, parameters and data pertaining to emissions tests conducted on this unit. [Prior to May 1, 2018: RCSA §22a-174-22(l)(1)(D). On and after May 1, 2018: RCSA §22a-174-22e(j)(2)(C)]
- iv. Documentation of all performance evaluations, calibration checks and adjustments on the CEM system which produces data used in determining NO_x emissions. Documentation of the maintenance procedures for these monitoring devices. [Prior to May 1, 2018: RCSA §22a-174-22(l)(1)(I). On and after May 1, 2018: RCSA §22a-174-22e(j)(2)(D)]
- v. The date and work performed for repairs, replacement of parts and other maintenance. [Prior to May 1, 2018: RCSA §22a-174-22(l)(1)(D). On and after May 1, 2018: RCSA §22a-174-22e(j)(2)(B)]

d. Reporting Requirements

- i. The Permittee shall provide the records specified in Section III.K.3.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-174-4(d)(1)]
- 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: [On and after: June 1,2018: 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. 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. [On and after: June 1,2018: RCSA §22a-174-22e(k)(2)]
- iv. 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. [On and after: June 1,2018: RCSA §22a-174-22e(k)(4)]
- v. 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-174-4 and 40 CFR Part 60, Subpart A, Appendix B and Appendix F, or, for affected units, 40 CFR Part 75.

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[On and after: June 1,2018: RCSA §22a-174-22e(m)(4)]

4. VOC [P-130-0070]

a. Limitations or Restrictions

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

The Permittee shall conduct recurrent VOC emissions testing within five years from the date of the previous emissions test. Such emission testing shall be in accordance with an Intent-to-Test protocol submitted by the Permittee and approved by the commissioner. [P-130-0070]

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

Documentation of actual emissions calculations on a monthly and annual basis to demonstrate compliance with the VOC emissions limitations in Section III.K.4.a of this Title V permit. Annual emissions shall be calculated by adding the current month's emissions to the previous 11 months' emissions. This calculation shall be made monthly. The Permittee shall use emissions test data or manufacturer's data along with fuel use monitoring data in making these calculations. Documentation in support of any assumptions made in these calculations shall be maintained.
[P-130-0070, RCSA §22a-174-33(o)(2)]

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.K.4.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-174-4(d)(1)]

5. CO (P-130-0070)

a. Limitations or Restrictions

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

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- 1.19 lb/h
- 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

The Permittee shall conduct recurrent CO emissions testing within five years from the date of the previous emissions test. Such emission testing shall be in accordance with an Intent-to-Test protocol submitted by the Permittee and approved by the commissioner. [P-130-0070]

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

Documentation of actual emissions calculations on a monthly and annual basis to demonstrate compliance with the CO emissions limitations in Section III.K.5.a of this Title V permit. Annual emissions shall be calculated by adding the current month's emissions to the previous 11 months' emissions. This calculation shall be made monthly. The Permittee shall use emissions test data or manufacturer's data along with fuel use monitoring data in making these calculations. Documentation in support of any assumptions made in these calculation shall be maintained. [P-130-0070, RCSA §22a-174-33(o)(2)]

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.K.5.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-174-4(d)(1)]

6. Maximum Annual Fuel Consumption (P-130-0070)

a. Limitations or Restrictions

- i. Turbine Only: 1502 MMft³ natural gas [P-130-0070]
- ii. Turbine and Supplemental Burner: 1717 MMft³ natural gas [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

The Permittee shall make and maintain the following records:

- i. Documentation of all measured fuel flow rates on a continuous basis. [RCSA §22a-174-4(d)(1)]
- ii. Documentation of monthly and annual fuel consumption of the turbine and supplemental burner. Annual fuel consumption shall be determined by adding the current month's fuel consumption to the previous 11 months' consumption. The Permittee shall perform this calculation monthly.

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[RCSA §22a-174-33(j)(1)(K)(ii)]

iii. Documentation of all testing, calibration and maintenance of the monitoring and recording equipment. [RCSA §22a-174-4(d)(1)]

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.K.6.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-174-4(d)(1)]

7. Startup, Shutdown and Malfunction Events (P-130-0070, 40 CFR Part 60 Subpart A)

a. Limitations or Restrictions

i. Startup Event Duration: ≤ 75 minutes [P-130-0070]

ii. Shutdown Event: ≤ 45 minutes [P-130-0070]

b. Monitoring Requirements

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)]

c. Record Keeping Requirements

The Permittee shall make and maintain the following records [P-130-0070, 40 CFR Part 60 Subpart A]:

i. Type of event;

ii. Equipment affected;

iii. Date of event;

iv. Duration of event; and

v. Total NO_x, VOC and CO emissions emitted during the event.

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.K.7.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-174-4(d)(1)]

8. Control Equipment: SCR and Oxidation Catalyst (P-130-0070)

a. 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;

(B) Operating temperature; and

(C) Pressure drop across the catalyst bed.

ii. 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-130-0070]

b. Record Keeping Requirements

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The Permittee shall make and maintain the following records [P-130-0070]

- i. Documentation of the parameters specified in Section III.K.8.a of this Title V permit
- ii. Records of each aqueous ammonia delivery, including:
 - (A) Date of delivery;
 - (B) Name of supplier;
 - (C) Quantity delivered; and
 - (D) The percentage of ammonia in solution, by weight.
- iii. Records of the inspection and maintenance of the control equipment, including:
 - (A) Name of the person;
 - (B) The date;
 - (C) The results or actions; and
 - (D) List of any parts or catalyst replaced.

c. Reporting Requirements

The Permittee shall provide the records specified in Section III.K.8.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-174-4(d)(1)]

L. EMISSIONS UNIT 42 – Combustion Turbine #2

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

1. PM/PM₁₀/PM_{2.5} [P-130-0071, Limits for each Pollutant]

a. Limitations or Restrictions

- i. Turbine Emissions [P-130-0071]
 - (A) 1.44 lb/h
 - (B) 0.0082 lb/MMBtu
 - (C) 6.31 tpy

b. Monitoring and Testing Requirements

Record keeping specified in Section III.L.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:

Documentation of actual emissions calculations on a monthly and annual basis to demonstrate compliance with the PM, PM₁₀ and PM_{2.5} emissions limitations in Section III.L.1.a this Title V permit. Annual emissions shall be calculated by adding the current month's emissions to the previous 11 months' emissions. Documentation in support of any assumptions made in these calculations shall be maintained. [P-130-0071, RCSA §22a-174-33(o)(2)]

d. Reporting Requirements

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The Permittee shall provide the records specified in Section III.L.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-174-4(d)(1)]

2. SO₂ [P-130-0071, 40 CFR Part 60 Subpart KKKK]

a. Limitations or Restrictions

i. Turbine Emissions [P-130-0071]

(A) 0.245 lb/h

(B) 0.0014 lb/MMBtu

(C) 1.07 tpy

b. Monitoring Requirements

Record keeping specified in Section III.L.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

The Permittee shall make and maintain the following records:

- i. Documentation of actual emissions calculations on a monthly and annual basis to demonstrate compliance with the SO₂ emissions limitations in Section III.L.2.a of this Title V permit. Annual emissions shall be calculated by adding the current month's emissions to the previous 11 months' emissions. Documentation in support of any assumptions made in these calculations shall be maintained. [P-130-0071, RCSA §22a-174-33(o)(2)]
- 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 or 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, 40 CFR Part 60 Subpart KKKK]

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.L.2.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-174-4(d)(1)]

3. NO_x [P-130-0071, RCSA §§22a-174-22, -22e, 40 CFR Part 60 Subpart KKKK]

a. Limitations or Restrictions

i. Turbine Only Emissions (Except during startup or shutdown events) [P-130-0071]

(A) 9.68 lb/h

(B) 0.0554 lb/MMBtu

(C) 15.0 ppmvd @ 15% O₂

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

2.1 lb/event

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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 an Intent-to-Test protocol submitted by the Permittee and approved by the commissioner. Such emissions testing shall be performed on an annual basis. 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.

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

- i. Calculations of actual NO_x emissions on a monthly and annual basis to demonstrate compliance with the emissions limitations in Section III.L.3.a of this Title V permit. Annual emissions shall be calculated by adding the current month's emissions to the previous 11 months' emissions. This calculation shall be performed monthly. Documentation in support of any assumptions made in these calculations shall be maintained. [P-130-0071, RCSA §22a-174-33(o)(2)]
- ii. Records of all tune-ups, repairs, replacement of parts and other maintenance conducted on this unit. [Prior to May 1, 2018:RCSA §22a-174-22(l)(1)(D) On and after May 1, 2018: RCSA §22a-174-22e(j)(2)(B)]
- iii. Documentation of the dates, times and places 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. [Prior to May 1, 2018: RCSA §22a-174-22(l)(1)(H). On and after May 1, 2018: RCSA §22a-174-22e(j)(2)(C)]

d. Reporting Requirements

- i. The Permittee shall provide the records specified in Section III.L.3.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-174-4(d)(1)]
- ii. 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. [On and after June 1, 2018: RCSA §22a-174-22e(k)(1)]

4. VOC [P-130-0071]

a. Limitations or Restrictions

i. Turbine Emissions (Except during startup or shutdown events) [P-130-0071]

0.161 lb/h

ii. Startup Emissions [P-130-0071]

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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*

The Permittee shall conduct recurrent VOC emissions testing within five years from the date of the previous emissions test. Such emission testing shall be in accordance with an Intent-to-Test protocol submitted by the Permittee and approved by the commissioner. [P-130-0071]

c. *Record Keeping Requirements*

The Permittee shall make and maintain the following records:

Documentation of actual emissions calculations on a monthly and annual basis to demonstrate compliance with the VOC emissions limitations in Section III.L.4.a of this Title V permit. Annual emissions shall be calculated by adding the current month's emissions to the previous 11 months' emissions. This calculation shall be performed monthly. The Permittee shall use emissions test data or manufacturer's data along with fuel use monitoring data in making these calculations. Documentation in support of any assumptions made in these calculations shall be maintained.

[P-130-0071, RCSA §22a-174-33(o)(2)]

d. *Reporting Requirements*

The Permittee shall provide the records specified in Section III.L.4.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-174-4(d)(1)]

5. CO [P-130-0071]

a. *Limitations or Restrictions*

i. Turbine Emissions (Except during startup or shutdown events) [P-130-0071]

0.982 lb/h

ii. Startup Emissions [P-130-0071]

19.56 lb/event

iii. Shutdown Emissions [P-130-0071]

21.0 lb/event

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

4.30 tpy

b. *Monitoring and Testing Requirements*

The Permittee shall conduct recurrent CO emissions testing within five years from the date of the previous emissions test. Such emission testing shall be in accordance with an Intent-to-Test protocol submitted by the Permittee and approved by the commissioner. [P-130-0071]

c. *Record Keeping Requirements*

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The Permittee shall make and maintain the following records:

Documentation of actual emissions calculations on a monthly and annual basis to demonstrate compliance with the CO emissions limitations in Section III.L.5.a of this Title V permit. Annual emissions shall be calculated by adding the current month's emissions to the previous 11 months' emissions. This calculation shall be performed monthly. The Permittee shall use emissions test data or manufacturer's data along with fuel use monitoring data in making these calculations. Documentation in support of any assumptions made in these shall be maintained.

[P-130-0071, RCSA §22a-174-33(o)(2)]

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.L.5.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-174-4(d)(1)]

6. Maximum Annual Fuel Consumption [P-130-0071]

a. Limitations or Restrictions

Turbine Only: 1502 MMft³ natural gas [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

The Permittee shall make and maintain the following records:

- i. Documentation of all measured fuel flow rates on a continuous basis. [RCSA §22a-174-4(d)(1)]
- ii. Documentation of the monthly and annual fuel consumption of the turbine. Annual fuel consumption shall be determined by adding the current month's fuel consumption to the previous 11 months' consumption. The Permittee shall perform this calculation monthly. [RCSA §22a-174-33(j)(1)(K)(ii)]
- iii. Documentation of all testing, calibration and maintenance of the monitoring and recording equipment. [RCSA §22a-174-4(d)(1)]

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.L.6.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-174-4(d)(1)]

7. Startup, Shutdown and Malfunction Events (P-130-0071, 40 CFR Part 60 Subpart A)

a. Limitations or Restrictions

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

b. Monitoring Requirements

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)]

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c. Record Keeping Requirements

The Permittee shall make and maintain the following records [P-130-0071, 40 CFR Part 60 Subpart A]:

- i. Type of event;
- ii. Equipment affected;
- iii. Date of event;
- iv. Duration of event; and
- v. Total NO_x, VOC and CO emissions emitted during the event.

d. Reporting Requirements

The Permittee shall provide the records specified in Section III.L.7.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-174-4(d)(1)]

8. Control Equipment: Oxidation Catalyst (P-130-0071)

a. Monitoring Requirements

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]

b. Record Keeping Requirements

The Permittee shall make and maintain the following records [P-130-0071]

- i. Documentation of the parameter specified in Section III.L.8.a of this Title V permit
- ii. Records of the inspection and maintenance of the control equipment, including:
 - (A) Name of the person;
 - (B) The date;
 - (C) The results or actions; and
 - (D) List of any parts or catalyst replaced.

c. Reporting Requirements

The Permittee shall provide the records specified in Section III.L.8.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-174-4(d)(1)]

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-174-4(d)(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

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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. **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.
15. **Organic Compound Emissions:** The Permittee shall comply with the requirements for control of organic compound emissions as set forth in RCSA §22a-174-20.
16. **Nitrogen Oxide Emissions:** The Permittee shall comply with the requirements for control of nitrogen oxide emissions as set forth in RCSA §§22a-174-22, 22a-174-22e and 22a-174-22f, as applicable.
17. **Ambient Air Quality:** The Permittee shall not cause or contribute to a violation of an ambient air quality standard as set forth in RCSA §22a-174-24(b).
18. **Emission Fees:** The Permittee shall pay an emission fee as set forth in RCSA §22a-174-26(d).
19. **Protection of Stratospheric Ozone:** The Permittee shall comply with the standards for recycling and emissions reduction of products using ozone depleting substances pursuant to 40 CFR Part 82 Subpart F.

N. 112(r) ACCIDENTAL RELEASE REQUIREMENTS

Should this stationary source, as defined in 40 CFR section 68.3, become subject to the accidental release prevention regulations in 40 CFR Part 68, the Permittee shall submit a risk management plan (RMP) to the Administrator by the date specified in section 68.10.

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O. ASBESTOS REQUIREMENTS

Should this stationary source, as defined in 40 CFR section 61.145, become subject to the national emission standard for asbestos regulations in subpart M of 40 CFR Part 61 when conducting any renovation or demolition at this premises, then the owner or operator shall submit proper notification as described in 40 CFR section 61.145(b) and shall comply with all other applicable requirements of including but not limited to subpart M.

Section IV: Compliance Schedule

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

Section V: State Enforceable Terms and Conditions

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

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:
- an insignificant emissions unit as defined in RCSA §22a-174-33; or
 - 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:
- Description, including make and model;
 - Year of construction/installation or if a group, range of years of construction/installation;
 - Maximum throughput or capacity; and
 - 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.
- G. Open Burning:** The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).
- H. Fuel Sulfur Content**
- For the period beginning July 1, 2014 and ending June 30, 2018, the Permittee shall not use No. 2 heating oil that exceeds five hundred parts per million of sulfur by weight as set forth in CGS §16a-21a(a)(2)(A); and
 - On or after July 1, 2018, 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) .

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.

Title V Requirements

A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR

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

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

Any submittal to the Administrator of the Environmental Protection Agency shall be in a computer-readable format and addressed to: Director, Air Compliance Program; Attn: Air Compliance Clerk; Office of Environmental Stewardship; EPA Region 1; 5 Post Office Square, Suite 100; Mail Code OEP05-02; Boston, Massachusetts 02109-3912.

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

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

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

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

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

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

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

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

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

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

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

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

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

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;

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3. The name of the individual who performed the sampling or the measurement and the name of such individual's employer;
4. The date(s) on which analyses of such samples or measurements were performed;
5. The name and address of the entity that performed the analyses;
6. The analytical techniques or methods used for such analyses;
7. The results of such analyses;
8. The operating conditions at the subject source at the time of such sampling or measurement; and
9. All calibration and maintenance records relating to the instrumentation used in such sampling or measurements, all original strip-chart recordings or computer printouts generated by continuous monitoring instrumentation, and copies of all reports required by the subject permit.

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

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

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

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

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

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

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

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

Notwithstanding Section VI.D 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).

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

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

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

This Title V permit shall not be deemed to:

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

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

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

N. PERMIT AVAILABILITY

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

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

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

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

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

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

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

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

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

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parties to this Title V permit.

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

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

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

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

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

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

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

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

V. TRANSFERS [RCSA §22a-174-2a(g)]

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

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

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

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determined that the commissioner failed to act in a timely manner on a permit renewal application.

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

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

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

Y. CREDIBLE EVIDENCE

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