



# TITLE V OPERATING PERMIT

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

<b>Title V Permit Number</b>	130-0050-TV
<b>Client/Sequence/Town/Premises Numbers</b>	1672/1/130/6
<b>Date Issued</b>	3/30/2010
<b>Expiration Date</b>	3/30/2015

**Corporation:**

Kimberly-Clark Corporation, New Milford Mill

**Premises location:**

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

**Name of Responsible Official and Title:**

Daniel L. Lachmann, Mill Manager

All the following attached pages, 2 through 41, are hereby incorporated by reference into this Title V Operating Permit.

/s/ Anne Gobin for \_\_\_\_\_  
Amey Marrella  
Commissioner

March 30, 2010 \_\_\_\_\_  
Date

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## LIST OF ACRONYMS

<i>Acronym</i>	<i>Description</i>
°C	Degrees Celsius
CEM	Continuous Emission Monitor
cf	Cubic Feet
CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
CO	Carbon Monoxide
EU	Emission Unit
°F	Degrees Fahrenheit
ft <sup>3</sup>	Cubic Feet
GEU	Grouped Emissions Unit
h	Hour
HAP	Hazardous Air Pollutant
lb	Pounds
MMBtu	Million British Thermal Units
MMft <sup>3</sup>	Million cubic feet
mm Hg	Millimeters of Mercury
NO <sub>x</sub>	Nitrogen Oxides
NSR	New Source Review
O <sub>2</sub>	Oxygen
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
RMP	Risk Management Plan
SIC	Source Identification Code
SO <sub>2</sub>	Sulfur Dioxide
SO <sub>x</sub>	Sulfur Oxides
SOS	Standard Operating Scenario
tpy	Tons per year
US EPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
yr	Year

## **Title V Operating Permit**

**All conditions in Sections III through VII of this 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 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 through VII of this permit in accordance with the Clean Air Act (CAA), as amended.**

## **Section I: Premises Information and 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, Connecticut 06776-4493

Telephone Number: (860) 355-6689

### **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 IDENTIFICATION

Emission units are set forth in Table II.A

<b>TABLE II.A: EMISSIONS UNIT DESCRIPTION</b>			
<b>Emission Units</b>	<b>Emission Unit Description</b>	<b>Control Unit Description</b>	<b>Permit (P), Order (O), Registration (R) or Regulation Number*</b>
<b>EU 3</b>	Boiler #3: Babcock & Wilcox, 70.2 MMBtu/h Boiler	Oxygen Trim, Flue Gas Recirculation	R-130-0019 O-7004
<b>EU 4a</b>	Tissue Machine #1 Hood Burners	Low NO <sub>x</sub> Burners	P-130-0026
<b>EU 4b</b>	Tissue Machine #1, Tissue Manufacturing	1 wet scrubber, 2 drum filters, 1 cyclone (not in series)	O-8190, RCSA §22a-174-18
<b>EU 5a</b>	Tissue Machine #2 Hood Burners	Low NO <sub>x</sub> Burners	P-130-0014
<b>EU 5b</b>	Tissue Machine #2, Tissue Manufacturing	1 wet scrubber, 2 drum filters, 1 cyclone (not in series)	P-130-0014, O-8190, RCSA §22a-174-18
<b>EU 13</b>	Multifolder #1	Drum filters and dust collector	None
<b>EU 14</b>	Multifolder #2	Drum filters and dust collector	None
<b>EU 15</b>	Towel Printer/Winder	None	None
<b>EU 16</b>	Off-Line Printer/Winder #1	Wet Scrubber	P-130-0033
<b>EU 18</b>	Pocket Pack Line	Drum filters and dust collector	None
<b>EU 20</b>	Ink Printing Operations	None	None
<b>EU 23</b>	Fuel Oil Tank #1	None	None
<b>EU 27</b>	Diesel Fuel Tank	None	None
<b>EU 31</b>	Fire Pump #1	None	RCSA §22a-174-3b
<b>EU 32</b>	Fire Pump #2	None	RCSA §22a-174-3b
<b>EU 33</b>	Emergency Generator #1	None	RCSA §22a-174-3b
<b>EU 34</b>	Emergency Generator #2	None	RCSA §22a-174-3b
<b>EU 35</b>	Cold Cleaner Maintenance Parts Washers	None	RCSA §22a-174-20(l)
<b>EU 36</b>	Raw Water Treatment Plant-Chemicals Used	None	O-8190
<b>EU 37</b>	Effluent Treatment Plant Chemicals Used	None	O-8190
<b>EU 38</b>	Fire Pump #3	None	RCSA §22a-174-3b
<b>EU 39</b>	Boiler for Fire Protection Water Bed	None	None
<b>EU 40</b>	Emergency Generator for Fire Protection Water Bed	None	RCSA §22a-174-3b
<b>EU 41</b>	Solar Titan 130 Combustion Turbine #1 with Eclipse 30FFB-SP Supplemental Burner	SCR, VOC/CO Oxidation Catalyst	P-130-0070
<b>EU 42</b>	Solar Titan 130 Combustion Turbine #2	VOC/CO Oxidation Catalyst	P-130-0071
<b>Grouped Emissions Units</b>			
<b>GEU 1</b>	EU 4a, 5a	As above	As above
<b>GEU 2</b>	EU 4b, 5b	As above	As above
<b>GEU 3</b>	EU 13, 14, 18	As above	As above
<b>GEU 4</b>	EU 31-34, 38, 40	As above	As above
<b>GEU 5</b>	EU 36, 37	As above	As above

\* It is not intended to incorporate by reference these NSR Permits, Orders, Registrations or Regulations into this Title V permit.

## Section II: Emissions Units Information

### 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.

<b>TABLE II.B: OPERATING SCENARIO IDENTIFICATION</b>		
<b>Identification of Operating Scenarios</b>	<b>Emissions Units Associated with the Scenarios</b>	<b>Description of Scenarios</b>
SOS-1	All units included in this standard operating scenario	Paper mill operations. Fuel burning units fire either natural gas or diesel fuel.

### Section III: Applicable Requirements and Compliance Demonstration

The following tables contain terms and conditions for the operation of each identified Emission Unit and Operating Scenario regulated by this Title V permit.

#### A. EU 3 - BOILER

Table III.A: EU 3				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Condition Number
SOS-1	NO <sub>x</sub>	≤ 0.2 lb/MMBtu, firing natural gas	RCSA §22a-174-22(e)	A.1

A.1. The Permittee shall demonstrate compliance with the NO<sub>x</sub> emission limitations in Table III.A of this Title V permit based on the following requirements:

##### A.1.a. *Monitoring and Testing Requirements*

- i. 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. 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)]

##### A.1.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, the Permittee shall make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Records of all tune-ups, repairs, replacement of parts and other maintenance. [RCSA §22a-174-22(l)(1)(D)]
- ii. Copies of all documents submitted to the commissioner pursuant to this section. [RCSA §22a-174-22(l)(1)(E)]
- iii. Procedures for calculating NO<sub>x</sub> emission rates. [RCSA §22a-174-22(l)(1)(G)]
- iv. Records of the dates and times of all emission testing required by this section, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [RCSA §22a-174-22(l)(1)(H)]

### Section III: Applicable Requirements and Compliance Demonstration

A.1.c. *Reporting Requirements*

- i. The Permittee shall provide the records specified in Section III.A.1.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)]
- ii. 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(1)(2)]
- iii. On or before April 15 of each year, the Permittee shall submit a report on NO<sub>x</sub> emissions from the source on forms provided by the commissioner. [RCSA §22a-174-22(1)(6)]

**B. GEU 1 (EU 4a, 5a) - TISSUE MACHINE #1 AND #2 (HOOD BURNERS)**

Table III.B: GEU 1 (EU 4a, 5a)				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions for Each Unit	Applicable Regulatory References/Citations	Compliance Demonstration Condition Number
SOS-1	PM 10	Emission factors: 0.008 lb/MMBtu, 2.40e-1 lb/h	P-130-0026 P-130-0014	B.1
	SO <sub>x</sub>	Emission factors: 6.00e-4 lb/MMBtu, 1.76e-2 lb/h		
	VOC	Emission factors: 0.02 lb/MMBtu, 6.00e-1 lb/h		
	CO	Emission factors: 0.146 lb/MMBtu, 4.38 lb/h		
	PM 10 Annual Limits	≤ 1.05 tpy		
	SO <sub>x</sub> Annual Limits	≤ 0.077 tpy		
	VOC Annual Limits	≤ 2.63 tpy		
	CO Annual Limits	≤ 19.18 tpy		
	NO <sub>x</sub>	Emission factors: 0.02 lb/MMBtu, 6.00e-1 lb/h	P-130-0026 P-130-0014 RCSA §22a-174-22(e)	B.2
	NO <sub>x</sub> Annual Limits	≤ 2.63 tpy		
	Annual Fuel Usage	≤ 257.7 MMft <sup>3</sup>	P-130-0026 P-130-0014	B.3
	Max. Rated Capacity (design specification)	≤ 30 MMBtu/h (total for 2 burners) Natural gas - ≤ 14,706 ft <sup>3</sup> /h		

### Section III: Applicable Requirements and Compliance Demonstration

B.1. Emissions of PM<sub>10</sub>, SO<sub>x</sub>, VOC and CO shall not exceed the limitations stated in Table III.B of this Title V permit. The Permittee shall demonstrate compliance with such limitations based on the following requirements:

B.1.a. *Monitoring Requirements*

- i. The Permittee shall verify emissions using monthly fuel monitoring, heat content of fuel, emission factors (AP-42 July 1998 edition for SO<sub>2</sub> only and manufacturer's data) and engineering calculations. [RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. 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)]

B.1.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

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

B.1.c. *Reporting Requirements*

- i. On a monthly basis, the Permittee shall review data recorded and calculated for that month and report to the commissioner within two working days any exceedences of an emission limit. [Section VII.I of this Title V permit]
- ii. The Permittee shall provide written monitoring reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit.
- iii. The Permittee shall provide the records specified in Section III.B.1.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)]

B.2. Emissions of NO<sub>x</sub> shall not exceed the limitations stated in Table III.B of this Title V permit. The Permittee shall demonstrate compliance with such limitations based on the following requirements:

B.2.a. *Monitoring and Testing Requirements*

- i. Verify emissions using the most recent NO<sub>x</sub> RACT performance test data, monthly fuel monitoring, heat content of fuel and engineering calculations. [RCSA §22a-174-22 and RCSA §22a-174-33(j)(1)(K)(ii)]
- ii. 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. 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 January 1, 1990 shall be tested when the source is operating at or above 90 percent

### Section III: Applicable Requirements and Compliance Demonstration

- of its highest operating rate since January 1, 1990. [RCSA §22a-174-22(k)(2)]
- iv. 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)]

#### B.2.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, the Permittee shall make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Records of monthly and annual fuel usage shall be kept. [RCSA §22a-174-33(o)(2)]
- ii. Records of all tune-ups, repairs, replacement of parts and other maintenance. [RCSA §22a-174-22(l)(1)(D)]
- iii. Copies of all documents submitted to the commissioner pursuant to this section. [RCSA §22a-174-22(l)(1)(E)]
- iv. Procedures for calculating NO<sub>x</sub> emission rates. [RCSA §22a-174-22(l)(1)(G)]
- v. Records of the dates and times of all emission testing required by this section, the persons performing the measurements, the testing methods used, the operating conditions at the time of testing, and the results of such testing. [RCSA §22a-174-22(l)(1)(H)]

#### B.2.c. *Reporting Requirements*

- i. The Permittee shall provide the records specified in Section III.B.2.b of this Title V permit to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]
- ii. 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 or before April 15 of each year, the Permittee shall submit a report on NO<sub>x</sub> emissions from the source on forms provided by the commissioner. [RCSA §22a-174-22(l)(6)]

- B.3. The Permittee shall demonstrate compliance with the maximum fuel firing rate and maximum annual fuel consumption limitations in Table III.B of this Title V permit based on the following requirements:

#### B.3.a. *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-130-0026, P-130-0014]
- ii. Annual fuel usage shall be calculated 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)]

#### B.3.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, the Permittee shall make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

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

### Section III: Applicable Requirements and Compliance Demonstration

#### B.3.c. Reporting Requirements

- i. The Permittee shall provide written monitoring reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit. [RCSA §22a-174-4(d)(1)]
- ii. The Permittee shall provide the records specified in Section III.B.3.b 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)]

#### C. GEU 2 (EU 4b, 5b) - TISSUE MACHINES #1 AND #2 (TISSUE MANUFACTURING)

Table III.C: GEU 2 (EU 4b, 5b)				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Condition Number
SOS-1	VOC	Combined maximum emissions of 37.6 tpy	O-8190	C.1
	Feed Rate	15,000 lb/h, EU 5b only	P-130-0014	C.2
	PM 10	Emission rate based on equation in D.2.	RCSA §22a-174-18(e)(2)	C.3

C.1. The Permittee shall demonstrate compliance with the VOC limitation in Table III.C of this Title V permit based on the following requirements:

##### C.1.a. Monitoring Requirements

- i. VOC emissions shall be calculated based on the VOC content of the additives and the amount of said additive utilized by GEU 2. [O-8190]
- ii. 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.1.b. Record Keeping Requirements

In accordance with Section VII.F of this Title V permit, the Permittee shall make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- 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)]

##### C.1.c. 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 review recorded data monthly and report to the commissioner within two working days any exceedences of an allowable limit. [Section VII.I of this Title V permit]
- iv. The Permittee shall provide written monitoring reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit.

### Section III: Applicable Requirements and Compliance Demonstration

- v. The Permittee shall provide the records specified in Section III.C.1.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)]

C.2. Parameters shall not exceed the limitations stated in Table III.C of this Title V permit. The Permittee shall demonstrate compliance with such limitations based on the following requirements:

C.2.a. *Monitoring Requirements*

- i. Verify feed rate using parametric monitors monthly. [RCSA §22a-174-33(j)(1)(K)(ii)]

C.2.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, the Permittee shall make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Documentation of feed rate shall be made monthly. [RCSA §22a-174-33(o)(2)]

C.2.c. *Reporting Requirements*

- i. On a monthly basis, the Permittee shall review data recorded and calculated for that month and report to the commissioner within two working days any exceedences of an emission limit. [Section VII.I of this Title V permit]
- ii. The Permittee shall provide written monitoring reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit.
- iii. The Permittee shall provide the records specified in Section III.C.2.b of this Title V permit to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

C.3. The PM 10 emission limitations are based on process feed rate for the given emissions unit and the following equation for feed rates <30 tons/h:

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

where F = feed rate (tons/h)

The Permittee shall demonstrate compliance based on the following requirements:

C.3.a. *Monitoring Requirements*

- i. Verify PM 10 emissions using filter pressure drop, process feed rate and manufacturer's data. [RCSA §22a-174-18(e)(2)]

C.3.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, the Permittee shall make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

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

C.3.c. *Reporting Requirements*

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

- i. The Permittee shall review recorded data daily and report to the commissioner within two working days any exceedences of an allowable limit. [Section VII.I of this Title V permit]
- ii. The Permittee shall provide written monitoring reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit.
- iii. The Permittee shall provide the records specified in Section III.C.3.b of this Title V permit to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

**D. GEU 3 (EU 13, 14, 18) - MULTIFOLDERS #1 AND #2, POCKET PACK LINE**

Table III.D: GEU 3 (EU 13, 14, 18)				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Condition Number
SOS-1	PM 10	Emission rate based on equation in D.1.	RCSA §22a-174-18(f)	D.1

D.1. The PM 10 emission limitations are based on process feed rate for the given emissions unit and the following equation for feed rates <30 tons/h:

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

where F = feed rate (tons/h)

The Permittee shall demonstrate compliance based on the following requirements:

D.1.a. *Monitoring and Testing Requirements*

- i. Verify PM 10 emissions using filter pressure drop, process feed rate and manufacturer’s data. [RCSA §22a-174-18(f)]

D.1.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, the Permittee shall make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

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

D.1.c. *Reporting Requirements*

- i. The Permittee shall review recorded data daily and report to the commissioner within two working days any exceedences of an allowable limit. [Section VII.I of this Title V permit]
- ii. The Permittee shall provide written monitoring reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit.
- iii. The Permittee shall provide the records specified in Section III.D.1.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)]

**E. EU 16 - OFF-LINE PRINTER/WINDER #1**

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Table III.E: EU 16				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions for Each Unit	Applicable Regulatory References/Citations	Compliance Demonstration Condition Number
SOS-1	PM 10	≤ 3.1 tpy	P-130-0033	E.1
	VOC	≤ 8.5 tpy		E.2
	Treatment Solution Usage	179,210 gallons/yr		E.3

E.1. Emissions of PM 10 shall not exceed the limitations stated in Table III.E of this Title V permit. The Permittee shall demonstrate compliance with such limitations based on the following requirements:

E.1.a. *Monitoring Requirements*

- i. 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)]

E.1.b. *Record Keeping Requirements*

In accordance with Section VII.F of this permit, the Permittee shall make and maintain the following records for a minimum of five years, commencing on the date such records were created. [RCSA §22a-174-33(o)(2)]

- i. Calculations and documentation of PM 10 emissions shall be made monthly.

E.1.c. *Reporting Requirements*

- i. On a monthly basis, the Permittee shall review data recorded and calculated for that month and report to the commissioner within two working days any exceedences of an emission limit. [Section VII.I of this Title V permit]
- ii. The Permittee shall provide written monitoring reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit.
- iii. The Permittee shall provide the records specified in Section III.E.1.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)]

E.2. Emissions of VOC shall not exceed the limitations stated in Table III.E of this Title V permit. The Permittee shall demonstrate compliance with such limitations based on the following requirements:

E.2.a. *Monitoring Requirements*

- i. 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)]

E.2.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, the Permittee shall make and maintain the following records for a minimum of five years, commencing on the date such records were created.

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[RCSA §22a-174-33(o)(2)]

Monthly records of all coatings 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)]

- i. Description of the coating including the coating name and the coating density in pounds per gallon.
- ii. Volatile organic compound content by weight.
- iii. Water and exempt volatile organic compound content by weight.
- iv. Non-volatile content by volume and by weight.
- v. Amount of each coating used in gallons.
- vi. Total amount of diluent used for each coating in pounds and in gallons.

#### E.2.c. *Reporting Requirements*

- i. On a monthly basis, the Permittee shall review data recorded and calculated for that month and report to the commissioner within two working days any exceedences of an emission limit. [Section VII.I of this Title V permit]
- ii. The Permittee shall provide written monitoring reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit.
- iii. The Permittee shall provide the records specified in Section III.E.2.b of this Title V permit to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

E.3. Treatment solution usage shall not exceed the limitation stated in Table III.E of this Title V permit. The Permittee shall demonstrate compliance with such limitations based on the following requirements:

#### E.3.a. *Monitoring Requirements*

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

#### E.3.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, the Permittee shall make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Calculations and documentation of treatment solution usage shall be made monthly. [RCSA §22a-174-33(o)(2)]

#### E.3.c. *Reporting Requirements*

- i. On a monthly basis, the Permittee shall review data recorded and calculated for that month and report to the commissioner within two working days any exceedences of a permit limit. [Section VII.I of this Title V permit]
- ii. The Permittee shall provide written monitoring reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit.
- iii. The Permittee shall provide the records specified in Section III.E.3.b of this Title V permit to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

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#### F. EU 35 - PARTS WASHERS

Table III.F: EU 35				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Condition Number
SOS-1	VOC	None	RCSA §22a-174-20(1)(3)	F.1

F.1. The Permittee shall demonstrate compliance for this unit based on the following requirements:

F.1.a. *Monitoring Requirements*

VOC emission calculations shall be done once every six months using Material Safety Data Sheets for the solvent used in the cold cleaning unit.

F.1.b. *Work Practice Standards* - [RCSA §22a-174-20(1)(3)]:

- i. Equip the cleaning device with a cover that is easily operated with one hand.
- ii. Equip the cleaning device with an internal rack or equipment for draining cleaned parts so that parts are enclosed under the cover while draining. Such drainage rack or equipment may be external for applications where an internal type cannot fit into the cleaning system.
- iii. Collect and store waste solvent in closed containers. Closed containers used for storing waste solvent may contain a device that allows pressure relief but does not allow liquid solvent to drain from the container.
- iv. Close the cover if parts are not being handled in the cleaner for two minutes or more, or if the device 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 mmHg at 20°C.
- xi. Sponges, fabric, wood, leather, paper and other absorbent material shall not be cleaned in a cold cleaning machine.

F.1.c. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, the Permittee shall make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- 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)]:

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1. The type of solvent used, including a description of the solvent and the solvent name,
  2. The vapor pressure of the solvent in mmHg measured at 20°C (68°F),
  3. The percent VOC content by weight, and
  4. The amount of solvent added to each unit on a monthly basis.
- ii. Name and address of any person and his or her company to whom waste degreasing solvent is transferred, and the amount of waste degreasing solvent transferred.
  - iii. Records showing compliance with Section III.F.1.b.vii of this Title V permit.

F.1.d. *Reporting Requirements*

- i. The Permittee shall provide written monitoring reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.F of this Title V permit.
- ii. 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. GEU 4 (EU 31-34, 38, 40) - EMERGENCY ENGINES

Table III.G: GEU 4 (EU31-34, 38, 40)				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions for Each Unit	Applicable Regulatory References/Citations	Compliance Demonstration Condition Number
SOS-1	<b>Operational Conditions</b>	The Permittee shall properly maintain the subject engine.	RCSA §22a-174-3b(e)(1)	G.1
		The Permittee shall not operate the subject engine except during periods of testing, scheduled maintenance or emergency.	RCSA §22a-174-3b(e)(2)	
	<b>Non-Emergency Operation</b>	RCSA §22a-174-22(d) through (k) shall apply if to an emergency engine if said engine operates for routine, scheduled testing or maintenance on any day for which the commissioner has forecast that ozone levels will be "moderate to unhealthful," "unhealthful," or "very unhealthful."	RCSA 22a-174-22(b)(5)	
	<b>Operating Hours</b>	≤ 300 hours in any 12 month rolling aggregate	RCSA §22a-174-3b(e)(2)(A)	
	<b>Fuel Sulfur Content</b>	≤ 0.3% by weight for non-gaseous fuel used	RCSA §22a-174-3b(e)(2)(B)	

G.1. The Permittee shall demonstrate compliance with the limitations in Table III.G of this Title V permit based on the following:

G.1.a. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Documentation of daily hours of operation distinguishing hours of emergency use from

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- hours of non-emergency use. [RCSA §22a-174-22(1)(1)(A)]
- ii. 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)]
- iii. Documentation of daily, monthly and annual fuel use and daily, monthly and annual hours of operation. [RCSA §22a-174-22(1)(1)(B) and RCSA §22a-174-22(1)(1)(C)]
- iv. Documentation of the hours of operation for each of the prior consecutive 12 months shall be totaled each month. [RCSA §22a-174-4(c)(1) and RCSA §22a-174-3b(e)(4)]
- v. Documentation of all tune-ups, replacement of parts and other maintenance. [RCSA §22a-174-22(1)(1)(D)]
- vi. Documentation of daily, monthly and annual emissions of NO<sub>x</sub> and document the procedures to determine such emissions. [RCSA §22a-174-22(1)(1)(G)]
- vii. Documentation of the #2 fuel oil sulfur content as certified by the vendor by any fuel analysis. [RCSA §22a-174-19(a)(5) and RCSA §22a-174-3b(e)(3)]
- viii. Calculate monthly and annual operating hours of the subject engine. [RCSA §22a-174-3b(e)(3)]
- ix. Annual operating hours shall be verified 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)]

G.1.b. *Reporting Requirements*

- i. The Permittee shall provide the records specified in Section III.G.1.a 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)]

### H. GEU 5 (EU 36, 37) - RAW WATER AND EFFLUENT WATER TREATMENT PLANTS

Table III.H: GEU 5 (EU 36, 37)				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Condition Number
SOS-1	VOC	Combined maximum emissions of 11.6 tpy	O-8190	H.1

H.1. The Permittee shall demonstrate compliance with the VOC limitation in Table III.H of this Title V permit based on the following requirements:

H.1.a. *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 5. [O-8190]
- ii. 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)]

H.1.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created. [RCSA §22a-174-33(o)(2)]

- i. Calculation of VOC emissions shall be made on a monthly and annual basis. [O-8190]
- ii. Purchase records of flocculation agent and documentation of flocculation agent VOC content

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shall be kept. [O-8190, RCSA §22a-174-33(o)(2)]

#### **H.1.c. *Reporting Requirements***

- i. 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. Review recorded data monthly and report to the commissioner within two working days any exceedences of an allowable limit. [Section VII.I of this Title V permit]
- iv. Provide written monitoring reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit.
- v. Provide the records specified in Section III.H.1.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)]

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#### I. EU 41 - COMBUSTION TURBINE #1 WITH SUPPLEMENTAL BURNER

Table III.I: EU 41				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/Citations	Compliance Demonstration Condition Number
SOS-1	<b>PM</b>	Combustion turbine: 1.55 lb/h Supplemental burner: 0.211 lb/h Total: 1.76 lb/h 0.0088 lb/MMBtu	P-130-0070	I.1
	<b>Maximum Annual PM</b>	Combustion turbine: 6.78 tpy Supplemental burner: 0.925 tpy Total: 7.71 tpy		
	<b>PM 10</b>	Combustion turbine: 1.55 lb/h Supplemental burner: 0.211 lb/h Total: 1.76 lb/h 0.0088 lb/MMBtu		
	<b>Maximum Annual PM 10</b>	Combustion turbine: 6.78 tpy Supplemental burner: 0.925 tpy Total: 7.71 tpy		
	<b>PM 2.5</b>	Combustion turbine: 1.55 lb/h Supplemental burner: 0.211 lb/h Total: 1.76 lb/h 0.0088 lb/MMBtu		
	<b>Maximum Annual PM-2.5</b>	Combustion turbine: 6.78 tpy Supplemental burner: 0.925 tpy Total: 7.71 tpy		
	<b>SO<sub>x</sub></b>	Combustion turbine: 0.245 lb/h Supplemental burner: 0.0147 lb/h Total: 0.259 lb/h 0.0014 lb/MMBtu		I.2
	<b>Maximum Annual SO<sub>x</sub></b>	Combustion turbine: 1.07 tpy Supplemental burner: 0.0644 tpy Total: 1.14 tpy		
	<b>NO<sub>x</sub></b>	Combustion turbine: 1.62 lb/h Supplemental burner: 0.409 lb/h Total: 2.03 lb/h 0.0093 lb/MMBtu Total: 2.5 ppmvd @ 15% O <sub>2</sub> (24 h rolling average)		I.3
	<b>Maximum Annual NO<sub>x</sub></b>	Combustion turbine: 7.08 tpy Supplemental burner: 1.79 tpy Total: 8.87 tpy		
	<b>VOC</b>	Combustion turbine: 0.161 lb/h Supplemental burner: 0.0202 lb/h Total: 0.181 lb/h		I.4
	<b>Maximum Annual VOC</b>	Combustion turbine: 0.705 tpy Supplemental burner: 0.0866 tpy Total: 0.793 tpy		

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Table III.I: EU 41, Continued				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Condition Number
SOS-1	CO	Combustion turbine: 0.982 lb/h Supplemental burner: 0.206 lb/h Total: 1.19 lb/h	P-130-0070	I.4
	Maximum Annual CO	Combustion turbine: 4.3 tpy Supplemental burner: 0.902 tpy Total: 5.20 tpy		I.5
	Maximum Fuel Firing Rate, nat. gas	Combustion turbine: 171,412 cf/h Supplemental burner: 24,510 cf/h		
	Maximum Annual Fuel Consumption	Combustion turbine: 1502 MMcf Supplemental burner: 215 MMcf		
	Maximum Gross Heat Input	Combustion turbine: 174.84 MMBtu/h Supplemental burner: 25 MMBtu/h		

I.1. The Permittee shall demonstrate compliance with the PM, PM 10 and PM 2.5 limitations in Table III.I of this Title V permit based on the following requirements:

I.1.a. *Monitoring and Testing Requirements*

- i. Within one year following the US EPA’s promulgation of a condensable PM-2.5 reference test method, the Permittee shall test for both filterable and condensable PM-2.5. [P-130-0070]
- ii. Annual emissions shall be calculated 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)]

I.1.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Documentation of actual emissions calculations on an hourly, monthly and annual basis to demonstrate compliance with the PM, PM 10 and PM 2.5 emissions limitations in Table III.I of this Title V permit. 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-130-0070, RCSA §22a-174-33(o)(2)]

I.1.c. *Reporting Requirements*

- i. The Permittee shall provide written reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit. [RCSA §22a-174-4(d)(1)]
- ii. The Permittee shall provide the records specified in Section III.I.1.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)]

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I.2. The Permittee shall demonstrate compliance with the SO<sub>x</sub> limitations in Table III.I of this Title V permit based on the following requirements:

I.2.a. *Monitoring Requirements*

- i. Annual emissions shall be calculated 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)]

I.2.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Documentation of actual emissions calculations on an hourly, monthly and annual basis to demonstrate compliance with the SO<sub>x</sub> emissions limitations in Table III.I of this Title V permit. The Permittee shall use manufacturer's data and fuel use monitoring data in making these calculations. Documentation in support of any assumptions made in these 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 SO<sub>2</sub>/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 SO<sub>2</sub>/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]

I.2.c. *Reporting Requirements*

- i. The Permittee shall provide written reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit. [RCSA §22a-174-4(d)(1)]
- ii. The Permittee shall provide the records specified in Section III.I.1.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)]

I.3. The Permittee shall demonstrate compliance with the NO<sub>x</sub> limitations in Table III.I of this Title V permit based on the following requirements:

I.3.a. *Monitoring Requirements*

- i. The Permittee shall operate, calibrate and maintain a CEM system that shall continuously monitor and record NO<sub>x</sub> emissions. [P-130-0070]
- ii. The CEM system shall be operated in accordance with RCSA §22a-174-4c and 40 CFR 60.4345 Subpart KKKK.
- iii. The Permittee shall demonstrate compliance with the applicable NO<sub>x</sub> limitation of 40 CFR 60.4320 Subpart KKKK.
- iv. Annual emissions shall be calculated 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)]

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#### I.3.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, the Permittee shall make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Documentation of the NO<sub>x</sub> emissions monitoring data on a 24-h rolling average basis. [RCSA §22a-174-4(d)(1)]
- ii. Calculations of actual NO<sub>x</sub> emissions on an hourly, monthly and annual basis to demonstrate compliance with the emissions limitations in Table III.I of this Title V permit. Documentation in support of any assumptions made in these calculations shall be maintained. [RCSA §22a-174-4(d)(1)]
- iii. Records of all tune-ups, repairs, replacement of parts and other maintenance conducted on this unit. [RCSA §22a-174-22(1)(1)(H)]
- iv. Documentation of all calculations, parameters, and data pertaining to emissions tests conducted on this unit. [RCSA §22a-174-22(1)(1)(H)]
- v. Documentation of all performance evaluations, calibration checks and adjustments on monitoring devices which produce data used in determining NO<sub>x</sub> emissions. Documentation of the maintenance procedures for these monitoring devices. [RCSA §22a-174-22(1)(1)(I)]

#### I.3.c. *Reporting Requirements*

- i. On or before April 15 of each year, the Permittee shall submit a report to the commissioner on NO<sub>x</sub> emissions from this unit. [RCSA §22a-174-22(1)(6)]
- ii. The Permittee shall provide written monitoring reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit. [RCSA §22a-174-4(d)(1)]
- iii. The Permittee shall provide the records specified in Section III.I.3.b of this Title V permit to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

I.4. The Permittee shall demonstrate compliance with the VOC and CO limitations in Table III.I of this Title V permit based on the following requirements:

#### I.4.a. *Monitoring and Testing Requirements*

- i. The Permittee shall conduct VOC and CO emissions testing once every five years from the date of the initial 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]
- ii. Annual emissions shall be calculated 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)]

#### I.4.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created. [RCSA §22a-174-33(o)(2)]

- i. Documentation of actual emissions calculations on an hourly, monthly and annual basis to demonstrate compliance with the VOC and CO emissions limitations in Table III.I of this Title V permit. 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-130-0070, RCSA §22a-174-33(o)(2)]

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#### I.4.c. *Reporting Requirements*

- i. The Permittee shall provide written reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit. [RCSA §22a-174-4(d)(1)]
- ii. The Permittee shall provide the records specified in Section III.I.4.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)]

I.5. The Permittee shall demonstrate compliance with the maximum fuel firing rate, maximum annual fuel consumption and maximum gross heat input limitations in Table III.I of this Title V permit based on the following requirements:

#### I.5.a. *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-130-0070]
- ii. Annual emissions shall be calculated 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)]

#### I.5.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, the Permittee shall make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Documentation of all measured fuel flow rates on a continuous basis. [RCSA §22a-174-4(d)(1)]
- ii. Documentation of calculations required to demonstrate compliance with the maximum gross heat input limitations based on measured fuel flow rate data. [RCSA §22a-174-4(d)(1)]
- iii. Documentation of all calculations and assumptions made in converting recorded data to the units of the limitations in Table III.I of this Title V permit. [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)]

#### I.5.c. *Reporting Requirements*

- i. The Permittee shall provide written monitoring reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit. [RCSA §22a-174-4(d)(1)]
- ii. The Permittee shall provide the records specified in Section III.I.5.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)]

### Section III: Applicable Requirements and Compliance Demonstration

#### J. EU 42 - COMBUSTION TURBINE #2

Table III.J.: EU 42				
Operating Scenarios Identification	Pollutants or Process Parameters	Limitations or Restrictions	Applicable Regulatory References/ Citations	Compliance Demonstration Condition Number
SOS-1	PM	1.44 lb/h 0.0082 lb/MMBtu	P-130-0071	J.1
	Maximum Annual PM	6.31 tpy		
	PM 10	1.44 lb/h 0.0082 lb/MMBtu		
	Maximum Annual PM 10	6.31 tpy		
	PM 2.5	1.44 lb/h 0.0082 lb/MMBtu		
	Maximum Annual PM-2.5	6.31 tpy		
	SO <sub>x</sub>	0.245 lb/h 0.0014 lb/MMBtu		J.2
	Maximum Annual SO <sub>x</sub>	1.07 tpy		
	NO <sub>x</sub>	9.68 lb/h 0.0554 lb/MMBtu 15.0 ppmvd @ 15% O <sub>2</sub>		J.3
	Maximum Annual NO <sub>x</sub>	42.4 tpy		
	VOC	0.161 lb/h		J.4
	Maximum Annual VOC	0.705 tpy		
	CO	0.982lb/h		
	Maximum Annual CO	4.30 tpy		J.5
	Maximum Fuel Firing Rate, nat. gas	171,412 cf/h		
Maximum Annual Fuel Consumption	1502 MMcf			
Maximum Gross Heat Input	174.84 MMBtu/h			

J.1. The Permittee shall demonstrate compliance with the PM, PM 10 and PM 2.5 limitations in Table III.J based on the following requirements:

J.1.a. *Monitoring and Testing Requirements*

- i. Within one year following the US EPA's promulgation of high temperature PM 2.5 reference test methods, the Permittee shall perform emissions testing for PM 2.5 (filterable and condensable). [P-130-0071]
- ii. Annual emissions shall be calculated by adding the current month's emissions to the previous 11 months' emissions. The Permittee shall perform this calculation monthly. [RCSA §22a-174-

### Section III: Applicable Requirements and Compliance Demonstration

33(j)(1)(K)(ii)]

J.1.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created. [RCSA §22a-174-33(o)(2)]

- i. Documentation of actual emissions calculations on an hourly, monthly and annual basis to demonstrate compliance with the PM, PM 10 and PM 2.5 emissions limitations in Table III.J. 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)]

J.1.c. *Reporting Requirements*

- i. The Permittee shall provide written reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit. [RCSA §22a-174-4(d)(1)]
- ii. The Permittee shall provide the records specified in Section III.J.1.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)]

J.2. The Permittee shall demonstrate compliance with the SO<sub>x</sub> limitations in Table III.J of this Title V permit based on the following requirements:

J.2.a. *Monitoring Requirements*

- i. Annual emissions shall be calculated 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)]

J.2.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created. [RCSA §22a-174-33(o)(2)]

- i. Documentation of actual emissions calculations on an hourly, monthly and annual basis to demonstrate compliance with the SO<sub>x</sub> emissions limitations in Table III.J of this Title V permit. The Permittee shall use manufacturer's data and 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)]
- 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 SO<sub>2</sub>/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 SO<sub>2</sub>/MMBtu. This determination shall be done on an annual basis pursuant to 40 CFR §60.4415 Subpart KKKK. [P-130-0071, 40 CFR 60 Subpart KKKK]

J.2.c. *Reporting Requirements*

- i. The Permittee shall provide written reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit. [RCSA §22a-174-4(d)(1)]

### Section III: Applicable Requirements and Compliance Demonstration

- ii. The Permittee shall provide the records specified in Section III.J.1.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)]

J.3. The Permittee shall demonstrate compliance with the NO<sub>x</sub> limitations in Table III.J of this Title V permit based on the following requirements:

#### J.3.a. *Monitoring and Testing Requirements*

- i. The Permittee shall perform NO<sub>x</sub> 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<sub>x</sub> emissions testing results from the current test is less than or equal to 18.75 ppm @ 15 % O<sub>2</sub> (75% of the 40 CFR 60 Subpart KKKK limit of 25 ppm @ 15% O<sub>2</sub>), subsequent emission testing frequency may be reduced to every two years. [P-130-0071, 40 CFR 60 Subpart KKKK]
- ii. The Permittee shall demonstrate compliance with the applicable NO<sub>x</sub> limitation of 40 CFR 60.4320 Subpart KKKK.
- iii. Annual emissions shall be calculated 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)]

#### J.3.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, the Permittee shall make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Calculations of actual NO<sub>x</sub> emissions on an hourly, monthly and annual basis to demonstrate compliance with the emissions limitations in Table III.J of this Title V permit. Documentation in support of any assumptions made in these calculations shall be maintained. [RCSA §22a-174-4(d)(1)]
- ii. Records of all tune-ups, repairs, replacement of parts and other maintenance conducted on this unit. [RCSA §22a-174-22(l)(1)(H)]
- iii. Documentation of all calculations, parameters, and data pertaining to emissions tests conducted on this unit. [RCSA §22a-174-22(l)(1)(H)]
- iv. Documentation of all performance evaluations, calibration checks and adjustments on monitoring devices which produce data used in determining NO<sub>x</sub> emissions. Documentation of the maintenance procedures for these monitoring devices. [RCSA §22a-174-22(l)(1)(I)]

#### J.3.c. *Reporting Requirements*

- i. On or before April 15 of each year, the Permittee shall submit a report to the commissioner on NO<sub>x</sub> emissions from this unit. [RCSA §22a-174-22(l)(6)]
- ii. The Permittee shall provide written monitoring reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit. [RCSA §22a-174-4(d)(1)]
- iii. The Permittee shall provide the records specified in Section III.J.3.b of this Title V permit to the commissioner within 30 days of receipt of a written request from the commissioner or such sooner time as the commissioner may require. [RCSA §22a-174-4(d)(1)]

J.4. The Permittee shall demonstrate compliance with the VOC and CO limitations in Table III.J of this Title V permit based on the following requirements:

#### J.4.a. *Monitoring and Testing Requirements*

### Section III: Applicable Requirements and Compliance Demonstration

- i. The Permittee shall conduct VOC and CO emissions testing once every five years from the date of the initial 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]
- ii. Annual emissions shall be calculated 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)]

#### J.4.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, make and maintain the following records for a minimum of five years, commencing on the date such records were created. [RCSA §22a-174-33(o)(2)]

- i. Documentation of actual emissions calculations on an hourly, monthly and annual basis to demonstrate compliance with the VOC and CO emissions limitations in Table III.J of this Title V permit. 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-130-0070, RCSA §22a-174-33(o)(2)]

#### J.4.c. *Reporting Requirements*

- i. The Permittee shall provide written reports to the commissioner by the 30<sup>th</sup> day following the end of each semi-annual period in accordance with Section VII.E of this Title V permit. [RCSA §22a-174-4(d)(1)]
- ii. The Permittee shall provide the records specified in Section III.J.4.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)]

J.5. The Permittee shall demonstrate compliance with the maximum fuel firing rate, maximum annual fuel consumption and maximum gross heat input limitations in Table III.J of this Title V permit based on the following requirements:

#### J.5.a. *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 this unit. [P-130-0071]
- ii. Annual emissions shall be calculated 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)]

#### J.5.b. *Record Keeping Requirements*

In accordance with Section VII.F of this Title V permit, the Permittee shall make and maintain the following records for a minimum of five years, commencing on the date such records were created [RCSA §22a-174-33(o)(2)]:

- i. Documentation of all measured fuel flow rates on a continuous basis. [RCSA §22a-174-4(d)(1)]
- ii. Documentation of calculations required to demonstrate compliance with the maximum gross heat input limitations based on measured fuel flow rate data. [RCSA §22a-174-4(d)(1)]
- iii. Documentation of all calculations and assumptions made in converting recorded data to the units of the limitations in Table III.J of this Title V permit. [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)]

#### J.5.c. *Reporting Requirements*

- i. The Permittee shall provide written monitoring reports to the commissioner by the 30<sup>th</sup> day

### Section III: Applicable Requirements and Compliance Demonstration

following the end of each semi-annual period in accordance with Section VII.E of this Title V permit. [RCSA §22a-174-4(d)(1)]

- ii. The Permittee shall provide the records specified in Section III.J.5.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)]

#### K. PREMISES-WIDE GENERAL REQUIREMENTS

Table III.K: PREMISE-WIDE GENERAL REQUIREMENTS		
Pollutants or Process Parameters	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
Annual Emission Statements	RCSA §22a-174-4	1. The Permittee shall submit annual emission statements requested by the commissioner as set forth in RCSA §22a-174-4(d)(1).
Emission Testing	RCSA §22a-174-5	2. The Permittee shall comply with the procedures for sampling, emission testing, sample analysis, and reporting as set forth in RCSA §22a-174-5.
Emergency Episode Procedures	RCSA §22a-174-6	3. The Permittee shall comply with the procedures for emergency episodes as set forth in RCSA §22a-174-6.
Reporting of Malfunctioning Control Equipment	RCSA §22a-174-7	4. The Permittee shall comply with the reporting requirements of malfunctioning control equipment as set forth in RCSA §22a-174-7.
Prohibition of Air Pollution	RCSA §22a-174-9	5. The Permittee shall comply with the requirement to prevent air pollution as set forth in RCSA §22a-174-9.
Public Availability of Information	RCSA §22a-174-10	6. The public availability of information shall apply, as set forth in RCSA §22a-174-10.
Prohibition Against Concealment/Circumvention	RCSA §22a-174-11	7. The Permittee shall comply with the prohibition against concealment or circumvention as set forth in RCSA §22a-174-11.
Violations and Enforcement	RCSA §22a-174-12	8. The Permittee shall not violate or cause the violation of any applicable regulation as set forth in RCSA §22a-174-12.
Variances	RCSA §22a-174-13	9. 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.
No Defense to Nuisance Claim	RCSA §22a-174-14	10. The Permittee shall comply with the regulations as set forth in RCSA §22a-174-14.
Severability	RCSA §22a-174-15	11. The Permittee shall comply with the severability requirements as set forth in RCSA §22a-174-15.
Responsibility to Comply	RCSA §22a-174-16	12. The Permittee shall be responsible to comply with the applicable regulations as set forth in RCSA §22a-174-16.
Particulate Emissions	RCSA §22a-174-18	13. 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 US EPA on 9-23-1982, current Regulation submitted to US EPA on 12-1-2004.)
Sulfur Compound Emissions	RCSA §22a-174-19	14. The Permittee shall comply with the requirements for control of sulfur compound emissions as set forth in RCSA §22a-174-19.

Table III.K: PREMISE-WIDE GENERAL REQUIREMENTS, Continued

### Section III: Applicable Requirements and Compliance Demonstration

Pollutants or Process Parameters	Applicable Regulatory References/Citations	Compliance Demonstration Requirements
Organic Compound Emissions	RCSA §22a-174-20	15. The Permittee shall comply with the requirements for control of organic compound emissions as set forth in RCSA §22a-174-20.
Carbon Monoxide Emissions	RCSA §22a-174-21	16. The Permittee shall comply with the requirements for control of carbon monoxide emissions as set forth in RCSA §22a-174-21.
Nitrogen Oxide Emissions	RCSA §22a-174-22	17. The Permittee shall comply with the requirements for control of nitrogen oxide emissions as set forth in RCSA §22a-174-22.
Emission Fees	RCSA §22a-174-26	18. The Permittee shall pay an emission fee as set forth in RCSA §22a-174-26(d).
Protection of Stratospheric Ozone	40 CFR Part 82	19. 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.

#### L. 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.

#### M. 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

<b>Table IV: COMPLIANCE SCHEDULE</b>				
<b>Emissions Unit</b>	<b>Applicable Regulations</b>	<b>Steps Required For Achieving Compliance (Milestones)</b>	<b>Date by Which each Step is to Be Completed</b>	<b>Dates For Monitoring, Record Keeping, and Reporting</b>
GEU 4 (EU 31-34, 38, 40)	§22a-174-22	RCSA §§22a-174-22(d) through (k) shall apply to the engine if, after May 1, 1997, such engine operates for routine, scheduled testing or maintenance on any day for which the commissioner has forecast that ozone levels will be “moderate to unhealthful”, “unhealthful” or “very unhealthful”.	After such use.	N/A

## Section V: State Enforceable Terms And Conditions

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

- A.** This 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 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.** 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.
- D.** Noise: The Permittee shall operate in compliance with the regulations for the control of noise as set forth in RCSA §§22a-69-1 through 22a-69-7.4, inclusive.
- E.** Hazardous Air Pollutants (HAPs): The Permittee shall operate in compliance with the regulations for the control of HAPs as set forth in RCSA §22a-174-29.
- F.** Open Burning: The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).
- G.** Fuel Sulfur Content: The Permittee shall not use No. 2 heating oil that exceeds three-tenths of one percent sulfur by weight as set forth in CGS §16a-21a.
- H.** The Permittee shall comply with the requirements for Control of Sulfur Dioxide Emissions from Power Plants and other large stationary sources of air pollution as set forth in RCSA §22a-174-19a.

## Section VI: Permit Shield

### NO PERMIT SHIELDS HAVE BEEN GRANTED.

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

This permit shall not alter or affect the following:

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

<b>Table VI: PERMIT SHIELD</b>				
<b>Regulated Pollutants</b>	<b>Emissions Units</b>	<b>Applicable Requirement or Non-Applicable Requirement Descriptions</b>	<b>Applicable Regulatory References/ Citations</b>	<b>*Permit Shield Indicate</b>
N/A				

\*For "Permit Shield Indicate", use AR to indicate Applicable Requirement and NR for Non- Applicable Requirement

## Section VII: Title V Requirements

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

### A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR

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

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

Any submittal to the Administrator of the Environmental Protection Agency shall be in a computer-readable format and addressed to: Director, Air Compliance Program; Attn: Air Compliance Clerk; Office of Environmental Stewardship; US EPA, Region 1; 5 Post Office Square; Suite 10 Mail Code OEPA05-2; 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
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

## Section VII: Title V Requirements

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

### **D. ADDITIONAL INFORMATION** [RCSA §22a-174-33(j)(1)(X)]

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

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

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

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

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

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

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

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

## Section VII: Title V Requirements

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

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

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

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

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

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

## Section VII: Title V Requirements

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

This Title V permit shall not be deemed to:

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

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

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

### **N. PERMIT AVAILABILITY**

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

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

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

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

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

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

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

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

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

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

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

## Section VII: Title V Requirements

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

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

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

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

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

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

### **V. TRANSFERS** [RCSA §22a-174-2a(g)]

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

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

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

## **Section VII: Title V Requirements**

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

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

### **Y. CREDIBLE EVIDENCE**

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