



Connecticut Department of  
**ENERGY &  
ENVIRONMENTAL  
PROTECTION**

## BUREAU OF AIR MANAGEMENT TITLE V OPERATING PERMIT

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

<b>Title V Permit Number</b>	<b>013-0010-TV</b>
<b>Client/Sequence/Town/Premises Numbers</b>	<b>362/1/013/1</b>
<b>Date Issued</b>	November 2, 2017
<b>Expiration Date</b>	November 2, 2022

**Corporation:**

*The Gilman Brothers Company*

**Premises Location:**

*Gilman Road, Gilman, CT 06336*

**Name of Responsible Official and Title:**

*Evan Gilman, President*

All the following attached pages, 2 through 25, are hereby incorporated by reference into this Title V permit.

/s/ Anne Gobin  
Robert J. Klee  
Commissioner

November 2, 2017  
Date

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## **Title V Operating Permit**

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

## LIST OF ABBREVIATIONS/ACRONYMS

<i>Abbreviation/Acronym</i>	<i>Description</i>
CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
ESP	Electrostatic Precipitator
EPA	Environmental Protection Agency
EU	Emissions Unit
ft <sup>2</sup>	square feet
ft <sup>3</sup>	cubic feet
gal	Gallon
GEU	Grouped Emissions Unit
HAP	Hazardous Air Pollutant
hr	Hour
lb	Pound
MMBtu	Million British Thermal Units
NESHAP	National Emission Standards for Hazardous Air Pollutants
NSR	New Source Review
oz	Ounce
PM	Particulate Matter
PM <sub>10</sub>	Particulate Matter less than 10 microns
PM <sub>2.5</sub>	Particulate Matter less than 2.5 microns
RCSA	Regulations of Connecticut State Agencies
SIC	Standard Industrial Classification Code
SOS	Standard Operating Scenario
vDC	Volts Direct Current
VOC	Volatile Organic Compound
yr	Year

## Section I: Premises Information/Description

### A. PREMISES INFORMATION

Nature of Business: Manufacture of Foam Board Products  
Primary SIC: 3089

Facility Mailing Address: Gilman Road  
Gilman, CT 06336

Telephone Number: 860-889-8444

### B. PREMISES DESCRIPTION

The Gilman Brothers Company (Gilman Bros.) manufactures foam board products for signage, display, and graphics. They are a major source of Volatile Organic Compounds (VOC) because their potential and actual emissions exceed 50 tons of VOC per year. Their VOC emissions consist almost entirely of isobutane, which is not a Hazardous Air Pollutant (HAP) according to Section 112(b)(1) of the Clean Air Act. They operate the following equipment at their location in Gilman, CT:

#### Polystyrene Foam Extrusion Line

The polystyrene foam extrusion line is operated under New Source Review (NSR) Permit No. 013-0007. It is comprised of the following equipment:

- Virgin Resin Pellet Silo 1 (3050 ft<sup>3</sup>)
- Virgin Resin Pellet Silo 2 (3050 ft<sup>3</sup>)
- Truck Unloading Pneumatic Conveying System
- Foam Extruder E-1 (1200 lb/hr)
- Extruder/Laminators A & B (1600 lb/hr each)
- Vacuum Transfer Blowing System
- Edge Trimmers/Sheet Cutters
- Central Scrap Processing Area
- Fluff Conveying System
- Fluff Storage Silo 1 (2530 ft<sup>3</sup>)
- Fluff Storage Silo 2 (2530 ft<sup>3</sup>)
- Reclaim Extruder Fluff Day Bin
- Reclaim Extruder R-1
- Reclaim Resin Pellet Silo 1 (3050 ft<sup>3</sup>)
- Reclaim Pellet Pneumatic Conveying System
- Blowing Agent Non-Vented Storage Tank (18,000 gallons)

The process involves extruding molten polystyrene and isobutane blowing agent through an annular die, drawing the melt over a cooling mandrel, and slitting it to form a sheet. As the polymer cools, it may be laminated on both sides with a thin film of polystyrene, paper or other similar material using the laminators. The edges are trimmed and the product is cut to specification and bundled before being transported to the finish goods warehousing area. The edge trimmings and scrap or reject product is ground and fed pneumatically to the fluff silos for storage prior to processing in the reclaim extruder where the fluff is reclaimed into resin pellets to later reuse. A portion of the scrap that cannot be reclaimed is sent to dumpsters to be disposed of. The laminators may operate as sheet extruders independently of the foam extrusion line.

## **Section I: Premises Information/Description**

### **B. PREMISES DESCRIPTION, continued**

#### **Cleaver Brooks Boiler**

The Cleaver Brooks Boiler (Model No. CB 100-200) is operated under RCSA §22a-174-3c(b)(2)(A). It can be only fired with No. 2 fuel oil. The boiler provides steam to the facility for space heating. The Cleaver Brooks Boiler (<10 MMBtu/hr) is subject to the work practice or management standards of a biennial tune-up in 40 CFR Part 63 Subpart JJJJJ.

#### **Zahnradwerk-Kollman Laminators**

Gilman Bros. operates two Zahnradwerk-Kollman Laminators, which are used to coat foam boards with polymer adhesives by extrusion. These two laminators make up Grouped Emission Unit (GEU-1). The emissions from these units do not require Gilman Bros. to obtain NSR permits from the Department. The requirements for the two Zahnradwerk-Kollman Laminators are listed in Section III.C. - Premises-Wide Requirements of this Title V Permit.

#### **Propane-Fired Heating Units**

Gilman Bros. operates 18 propane-fired heating units, which are used to provide heat to the facility. They have ten Modine (Model No. HD125AS0121) heaters, which fire at a rate of 0.125 MMBtu/hr; four Modine (Model No. PDP250AE0185) heaters, which fire at a rate of 0.200 MMBtu/hr; and four Carrier (Model No. 48TJE008-611) Rooftop heaters, which fire at a rate of 0.120 MMBtu/hr. These 18 heaters make up GEU-2. The emissions from these units do not require Gilman Bros. to obtain NSR permits from the Department. The requirements for the 18 propane-fired heating units are listed in Section III.C. - Premises-Wide Requirements of this Title V Permit.

## Section II: Emissions Units Information

### A. EMISSIONS UNITS DESCRIPTION

Emissions units are set forth in Table II.A.1. It is not intended to incorporate by reference these NSR Permits, Orders, or Registrations into this Title V permit.

<b>TABLE II.A: EMISSIONS UNITS DESCRIPTION</b>			
<b>Emissions Unit</b>	<b>Emissions Unit Description</b>	<b>Control Unit Description</b>	<b>Permit, Order, Registration, or Regulation Number</b>
EU-6	Polystyrene Foam Extrusion Line <i>Installed: 1999</i> <i>Throughput: 9,937,000 lb/yr of foam board</i>	None	NSR Permit No. 013-0007
EU-7	8.4 MMBtu/hr Cleaver Brooks 100-200 Boiler <i>Installed: 1981</i>	None	RCSA §22a-174-3c(b)(3) 40 CFR Part 63 Subpart JJJJJ

### B. OPERATING SCENARIO IDENTIFICATION

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

<b>TABLE II.B: OPERATING SCENARIO IDENTIFICATION</b>		
<b>Identification of Operating Scenarios</b>	<b>Emissions Units Associated with the Scenario</b>	<b>Description of Scenario</b>
SOS	EU-6	Foam board manufacturing from Polystyrene and Isobutane
	EU-7	Boiler operates on No. 2 fuel oil

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

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

#### **A. EMISSIONS UNIT 6 (EU-6) – Polystyrene Foam Extrusion Line**

##### **1. Isobutane Blowing Agent Usage**

*a. Limitation or Restriction* [P013-0007]

- i. Allowable Blowing Agent: Isobutane
- ii. The Isobutane blowing agent injection rate shall not exceed a 12 month average of 52.4 pounds per hour.

*b. Monitoring Requirements* [P013-0007]

The Permittee shall continuously monitor the hourly blowing agent injection rate at all times during extrusion. The monitoring device(s) shall be maintained according to manufacturer's written recommendations for accuracy and precision.

*c. Record Keeping Requirements* [P013-0007]

- i. The Permittee shall and continuously record the blowing agent injection rate at all times during extrusion.
- ii. The Permittee shall record the monthly and consecutive 12 month, isobutane and polystyrene usage in pounds. The consecutive 12 month material usage shall be determined by adding the current month's usage to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the previous month.
- iii. The Permittee shall calculate and record the monthly and consecutive 12 month isobutane percentage. The isobutane percentage shall be determined by dividing the isobutane usage by total foam board production. The Permittee shall make these calculations within 30 days of the previous month.
- iv. The Permittee shall calculate and record the consecutive 12 month average blowing agent injection rate.

*d. Reporting Requirements*

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

##### **2. Maximum Foam Board Production**

*a. Limitation or Restriction* [P013-0007]

The maximum foam board extruded shall not exceed 9,937,000 pounds per consecutive 12 months.

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

*b. Monitoring Requirements*

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

[RCSA §22a-174-33(j)(1)(K)(ii)]

*c. Record Keeping Requirements [P013-0007]*

The Permittee shall record the monthly and consecutive 12 month, total foam board extruded in pounds. The consecutive 12 month material production shall be determined by adding the current month's production to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the previous month.

*d. Reporting Requirements*

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

### **3. Maximum Scrap Foam Reclaimed**

*a. Limitation or Restriction [P013-0007]*

The maximum scrap foam reclaimed shall not exceed 1,987,400 pounds per consecutive 12 months.

*b. Monitoring Requirements*

Record keeping specified in Section III.A.3.c. of this Title V permit shall be sufficient to meet other Monitoring Requirements pursuant to RCSA §22a-174-33.

[RCSA §22a-174-33(j)(1)(K)(ii)]

*c. Record Keeping Requirements [P013-0007]*

The Permittee shall record the monthly and consecutive 12 month, total scrap foam extruded, scrap foam to reclaim and scrap foam to dumpster in pounds. The consecutive 12 month material production shall be determined by adding the current month's production to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the previous month.

*d. Reporting Requirements*

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

### **4. VOC Emissions from Extruder, Grinder Reclaim, and Warehouse**

*a. Limitation or Restriction [P013-0007]*

- i. VOC emissions from the extruder shall not exceed 3.9 lb/hr. (7% of the total blowing agent is emitted)

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

- ii. VOC emissions from the Grinder Reclaim (includes pelletizer) shall not exceed 4.38 lb/100 lb foam board. (100% of blowing agent in the reclaimable scrap is emitted)
- iii. VOC emissions from the Warehouse shall not exceed 0.00067 lb/100 lb foam board.
- iv. Total VOC emissions shall not exceed 61.4 tons per consecutive 12 months.
- v. The Permittee shall continuously cover all open drums and vessels when not in use that contain solvents, cleaners, coatings or cleaning rags so as to minimize the amounts of VOC's emitted to the atmosphere. [P013-0007]

#### *b. Monitoring Requirements*

- i. Record keeping specified in Section III.A.4.c. of this Title V permit shall be sufficient to meet other Monitoring Requirements pursuant to RCSA §22a-174-33.  
[RSCA §22a-174-33(j)(1)(K)(ii)]
- ii. The Permittee shall conduct the following testing on or before October 19, 2017: [P013-0007]
  - (A) Extruder blowing agent emissions
  - (B) Foam Board Testing to determine:
    - (1) Actual blowing agent percentage contained in the final foam board after production.
    - (2) The emissions from such foam board over 21 days of warehouse storage.

#### *c. Record Keeping Requirements [P013-0007]*

- i. The Permittee shall calculate and record the monthly and consecutive 12 month VOC emissions in tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each of the three stages of the process emissions (extrusion, reclaim, and warehouse) using the latest emissions test data. The Permittee shall make these calculations within 30 days of the previous month.
- ii. The Permittee shall record all hours of operation.  
[RSCA §22a-174-33(j)(1)(K)(ii)]

#### *d. Reporting Requirements*

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

### **5. PM/PM<sub>10</sub>/PM<sub>2.5</sub> Emissions from Silos**

#### *a. Limitation or Restriction [P013-0007]*

- i. PM/PM<sub>10</sub>/PM<sub>2.5</sub> emissions shall not exceed 0.24 lb/hr. (92 lb of particulate per million pounds of fluff. Laminating Coextruders: Based on Mass balance for a similar facility of 20 gallons of waste

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

captured annually)

- ii. PM/PM<sub>10</sub>/PM<sub>2.5</sub> emissions shall not exceed 1.1 tons per consecutive 12 months.

#### *b. Monitoring Requirements*

Record keeping specified in Section III.A.5.c. of this Title V permit shall be sufficient to meet other Monitoring Requirements pursuant to RCSA §22a-174-33.

[RSCA §22a-174-33(j)(1)(K)(ii)]

#### *c. Record Keeping Requirements [P013-0007]*

The Permittee shall calculate and record the monthly and consecutive 12 month PM/PM<sub>10</sub>/PM<sub>2.5</sub> emissions in tons. The consecutive 12 month emissions shall be determined by adding the current month's emissions to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the previous month.

#### *d. Reporting Requirements*

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

### **6. Control Equipment Design Specifications**

#### *a. Limitation or Restriction [P013-0007]*

##### *i. Electrostatic Precipitator (PM)*

- (A) Equipment served: Extruder/Laminators A&B
- (B) Make & Model No.: United Air Specialists, Smog Hog SH-10-CE
- (C) Collecting Electrode Area: 1,660 ft<sup>2</sup>
- (D) Voltage Across the Precipitator Plates: 6,000 vDC
- (E) Number of Fields in the Precipitator: 2 Stages – Parallel plates

##### *ii. Baghouse Filter on each silo (PM)*

- (A) Equipment served: Fluff Storage Silo 1 & 2
- (B) Make & Model No.: Flex-Kleen Corp. 100 WSBS-64
- (C) Bag Material: 16 oz/yard<sup>2</sup> glazed Polyester Felt (64 Bags)
- (D) Air/Cloth Ratio: 8.86:1 maximum, 6.15 typical
- (E) Cleaning Method: Reverse Air

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

iii. Baghouse Filter (PM)

- (A) Equipment served: Reclaim Extruder Day Bin
- (B) Make & Model No.: Sterling Systems 10
- (C) Bag Material: 10 oz/yard<sup>2</sup> Glazed Polyester Felt (6 Bags – scrim supported)
- (D) Air/Cloth Ratio: 6.63:1
- (E) Cleaning Method: Shaker

iv. Baghouse Filter (PM)

- (A) Equipment served: Non-Reclaim Scrap Bin
- (B) Make & Model No.: Sterling Systems 13
- (C) Bag Material: 10 oz/yard<sup>2</sup> Glazed Polyester Felt (9 Bags – scrim supported)
- (D) Air/Cloth Ratio: 3:1
- (E) Cleaning Method: Shaker

v. Blower Filters

Equipment served: Virgin Pellet Silos 1 & 2, Truck Unloading Pneumatic Conveying System, Vacuum Transfer Blower System, Reclaim Resin Pellet Silo 1, Reclaim Pellet Pneumatic Conveying System

*b. Monitoring Requirements*

- i. The Permittee shall perform monthly inspections/observations of the control systems.  
[RSCA §22a-174-33(j)(1)(K)(ii)]
- ii. Record keeping specified in Section III.A.6.c. of this Title V permit shall be sufficient to meet other Monitoring Requirements pursuant to RCSA §22a-174-33.  
[RSCA §22a-174-33(j)(1)(K)(ii)]

*c. Record Keeping Requirements*

- i. The Permittee shall develop pollution control inspection procedures pursuant to the manufacturer's recommendations. The Permittee shall keep records of all inspections to pollution control devices. These records shall include the following: [RSCA §22a-174-33(j)(1)(K)(ii)]
  - (A) date of inspection
  - (B) any findings of pollution control failures, and
  - (C) the time period for corrective action.

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

- ii. The Permittee shall keep detailed operation and maintenance records of the control equipment.  
[P013-0007]
  - (A) Operation records shall include the time and date of start and stop of operation of the extruder and ESP.
  - (B) Maintenance records shall include the time and date removed from service, the cause for removal from service, the date and description of each service performed, and the time and date put back into service.
- iii. The Permittee shall keep records of the manufacturer's specifications for the filter bag materials.  
[RCSA §22a-174-33(j)(1)(K)(ii)]

#### *d. Reporting Requirements*

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

## **B. EMISSIONS UNIT 7 (EU-7) - 8.4 MMBtu/hr Cleaver Brooks Boiler Model CB100-200**

### **1. Allowable Fuel Use**

#### *a. Limitation or Restriction*

- i. Maximum Fuel purchased in any calendar year (gal): 328,000  
[RCSA §22a-174-3c(b)(2)(A)]
- ii. Maximum Fuel Sulfur Content: [RCSA §22a-174-19b(d)(1)]
  - (A) Maximum No. 2 Fuel Sulfur Content through June 30, 2018: 0.05% by weight, dry basis
  - (B) Maximum No. 2 Fuel Sulfur Content after July 1, 2018: 0.0015% by weight, dry basis

#### *b. Monitoring Requirements*

The Permittee shall use a non-resettable totalizing fuel metering device to continuously monitor fuel feed to this source.

[RCSA §22a-174-33(j)(1)(X)]

#### *c. Record Keeping Requirements*

- i. The Permittee shall maintain fuel purchase records in accordance with RCSA §22a-174-3c(c).
- ii. Each oil fuel shipment for this equipment shall include a shipping receipt from the fuel supplier and a certification from the fuel supplier certifying the type of fuel in the shipment and the weight percent of sulfur in the fuel. The shipping receipt and/or certification shall include the name of the oil supplier, the sulfur content of the oil and the method used to determine the sulfur content of the oil.

### Section III: Applicable Requirements and Compliance Demonstration

The Permittee shall maintain records of each shipping receipt and certification.

[RCSA §22a-174-33(j)(1)(X)]

*d. Reporting Requirements*

The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier.

[RCSA §22a-174-33(j)(1)(X)]

#### 2. National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers at Area Sources (NESHAP) 40 CFR Part 63 Subpart JJJJJ

*a. Limitation or Restriction*

- i. The Permittee shall comply with the applicable provisions of 40 CFR Part 63 Subpart JJJJJ at all times. [40 CFR §63.11205(a)]
- ii. The Permittee shall conduct a biennial performance tune-up according to the provisions in 40 CFR §63.11223.

*b. Monitoring Requirements*

Record keeping specified in Section III.B.3.c. of this Title V permit shall be sufficient to meet other Monitoring Requirements pursuant to RCSA §22a-174-33.

[RCSA §22a-174-33(j)(1)(K)(ii)]

*c. Record Keeping Requirements*

The Permittee shall maintain records as required by 40 CFR §§63.11225(c) and (d)

*d. Reporting Requirements*

- i. The Permittee shall submit all required reports pursuant to 40 CFR §63.11225(a).
- ii. The Permittee shall submit an annual compliance certification pursuant to 40 CFR §63.11225(b).

#### C. PREMISES-WIDE GENERAL REQUIREMENTS

1. **Annual Emission Statements:** The Permittee shall submit annual emission statements requested by the commissioner as set forth in RCSA §22a-174-4(d)(1).
2. **Emergency Episode Procedures:** The Permittee shall comply with the procedures for emergency episodes as set forth in RCSA §22a-174-6.
3. **Reporting of Malfunctioning Control Equipment:** The Permittee shall comply with the reporting requirements of malfunctioning control equipment as set forth in RCSA §22a-174-7.

### Section III: Applicable Requirements and Compliance Demonstration

4. **Prohibition of Air Pollution:** The Permittee shall comply with the requirement to prevent air pollution as set forth in RCSA §22a-174-9.
5. **Public Availability of Information:** The public availability of information shall apply, as set forth in RCSA §22a-174-10.
6. **Prohibition Against Concealment/Circumvention:** The Permittee shall comply with the prohibition against concealment or circumvention as set forth in RCSA §22a-174-11.
7. **Violations and Enforcement:** The Permittee shall not violate or cause the violation of any applicable regulation as set forth in RCSA §22a-174-12.
8. **Variances:** The Permittee may apply to the commissioner for a variance from one or more of the provisions of these regulations as set forth in RCSA §22a-174-13.
9. **No Defense to Nuisance Claim:** The Permittee shall comply with the regulations as set forth in RCSA §22a-174-14.
10. **Severability:** The Permittee shall comply with the severability requirements as set forth in RCSA §22a-174-15.
11. **Responsibility to Comply:** The Permittee shall be responsible to comply with the applicable regulations as set forth in RCSA §22a-174-16.
12. **Particulate Emissions:** The Permittee shall comply with the standards for control of particulate matter and visible emissions as set forth in RCSA §22a-174-18. (Section 18 approved by EPA on 9-23-1982, current Regulation submitted to EPA on 12-1-2004.)
13. **Sulfur Compound Emissions:** The Permittee shall comply with the requirements for control of sulfur compound emissions as set forth in RCSA §§22a-174-19, 22a-174-19a and 22a-174-19b, as applicable.
14. **Organic Compound Emissions:** The Permittee shall comply with the requirements for control of organic compound emissions as set forth in RCSA §22a-174-20.
15. **Nitrogen Oxide Emissions:** The Permittee shall comply with the requirements for control of nitrogen oxide emissions as set forth in RCSA §22a-174-22.
16. **Ambient Air Quality:** The Permittee shall not cause or contribute to a violation of an ambient air quality standard as set forth in RCSA §22a-174-24(b).
17. **Emission Fees:** The Permittee shall pay an emission fee as set forth in RCSA §22a-174-26(d).

**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>
		No Steps are required for achieving compliance at this time		

## Section V: State Enforceable Terms and Conditions

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

### SECTION V: STATE ENFORCEABLE TERMS AND CONDITIONS

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

## **Section V: State Enforceable Terms and Conditions**

- F.** Hazardous Air Pollutants (HAPs): The Permittee shall operate in compliance with the regulations for the control of HAPs as set forth in RCSA §22a-174-29.
- G.** Open Burning: The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).
- H.** Fuel Sulfur Content
  - 1. For the period beginning July 1, 2014 and ending June 30, 2018, the Permittee shall not use No. 2 heating oil that exceeds five hundred parts per million of sulfur by weight as set forth in CGS §16a-21a(a)(2)(A); and
  - 2. On or after July 1, 2018, the Permittee shall not use No. 2 heating oil that exceeds fifteen parts per million of sulfur by weight as set forth in CGS §16a-21a(a)(2)(B) .

## **Section VI: Title V Requirements**

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

### **SECTION VI: TITLE V REQUIREMENTS**

#### **A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR**

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

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

Any submittal to the Administrator of the Environmental Protection Agency shall be in a computer-readable format and addressed to: U.S. EPA New England, 5 Post Office Square, Suite 100 (OES04-2), Boston, Massachusetts 02109, Attn: Air Clerk.

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

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

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

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

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

## **Section VI: Title V Requirements**

1. The facilities employ more than 250 persons or have gross annual sales or expenditures exceeding 25 million dollars in second quarter 1980 dollars; or
2. The delegation of authority to the duly authorized representative has been given in writing by an officer of the corporation in accordance with corporate procedures and the following:
  - i. Such written authorization specifically authorizes a named individual, or a named position, having responsibility for the overall operation of the Title V premises or activity,
  - ii. Such written authorization is submitted to the commissioner and has been approved by the commissioner in advance of such delegation. Such approval does not constitute approval of corporate procedures, and
  - iii. If a duly authorized representative is a named individual in an authorization submitted under subclause ii. of this subparagraph and a different individual is assigned or has assumed the responsibilities of the duly authorized representative, or, if a duly authorized representative is a named position in an authorization submitted under subclause ii. of this subparagraph and a different named position is assigned or has assumed the duties of the duly authorized representative, a new written authorization shall be submitted to the commissioner prior to or together with the submission of any application, document, report or certification signed by such representative.

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

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

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

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

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

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

## **Section VI: Title V Requirements**

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

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

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

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

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

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

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

## Section VI: Title V Requirements

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

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

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

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

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

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

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

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

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

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

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

This Title V permit shall not be deemed to:

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

## Section VI: Title V Requirements

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

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

### **N. PERMIT AVAILABILITY**

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

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

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

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

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

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

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

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

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

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

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

## **Section VI: Title V Requirements**

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

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

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

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

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

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

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

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

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

## **Section VI: Title V Requirements**

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

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

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

### **Y. CREDIBLE EVIDENCE**

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

## **Print for Compliance Certification or Enforcement**

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

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

Print Enforcement Checklist

Print Compliance Certification