

**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>                 | 189-0206-TV      |
| <b>Client/Sequence/Town/Premises Numbers</b> | 6012/1/189/76    |
| <b>Date Issued</b>                           | January 19, 2024 |
| <b>Modification Issue Date</b>               | March 27, 2025   |
| <b>Expiration Date</b>                       | January 19, 2029 |

**Corporation:**

*AMETEK, Specialty Metal Products Division*

**Premises Location:**

*21 Toelles Road, Wallingford, CT 06492*

**Name of Responsible Official and Title:**

*Luis Sanabria, Plant Manager*

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

for   
Katherine S. Dykes  
Commissioner

March 27, 2025  
Date

## TABLE OF CONTENTS

|                                                                                 | PAGE      |
|---------------------------------------------------------------------------------|-----------|
| <b>List of Abbreviations/Acronyms .....</b>                                     | <b>4</b>  |
| <b>Section I. Premises Information/Description</b>                              |           |
| A. Premises Information.....                                                    | 6         |
| B. Premises Description.....                                                    | 6         |
| <b>Section II. Emissions Units Information</b>                                  |           |
| A. Emissions Units Description - Table II.A.....                                | 7         |
| B. Operating Scenario Identification - Table II.B .....                         | 9         |
| <b>Section III. Applicable Requirements and Compliance Demonstration</b>        |           |
| A. Emissions Unit 49 .....                                                      | 10        |
| B. Emissions Unit 53 .....                                                      | 10        |
| C. Emissions Unit 54.....                                                       | 14        |
| D. Emissions Unit 57.....                                                       | 15        |
| E. Emissions Unit 64 .....                                                      | 15        |
| F. Grouped Emissions Unit 1.....                                                | 19        |
| G. Grouped Emissions Unit 2 .....                                               | 20        |
| H. Grouped Emissions Unit 3 .....                                               | 29        |
| I. Premises-Wide General Requirements .....                                     | 30        |
| <b>Section IV. Compliance Schedule - Table IV .....</b>                         | <b>33</b> |
| <b>Section V. State Enforceable Terms and Conditions .....</b>                  | <b>34</b> |
| <b>Section VI. Title V Requirements</b>                                         |           |
| A. Submittals to the Commissioner & Administrator.....                          | 36        |
| B. Certifications [RCSA §22a-174-33(b)] .....                                   | 36        |
| C. Signatory Responsibility [RCSA §22a-174-2a(a)] .....                         | 36        |
| D. Additional Information [RCSA §§22a-174-33(j)(1)(X), -33(h)(2)] .....         | 37        |
| E. Monitoring Reports [RCSA §22a-174-33(o)(1)] .....                            | 37        |
| F. Premises Records [RCSA §22a-174-33(o)(2)] .....                              | 37        |
| G. Progress Reports [RCSA §22a-174-33(q)(1)].....                               | 38        |
| H. Compliance Certifications [RCSA §22a-174-33(q)(2)].....                      | 38        |
| I. Permit Deviation Notifications [RCSA §22a-174-33(p)] .....                   | 38        |
| J. Permit Renewal [RCSA §22a-174-33(j)(1)(B)].....                              | 39        |
| K. Operate in Compliance [RCSA §22a-174-33(j)(1)(C)].....                       | 39        |
| L. Compliance with Permit [RCSA §22a-174-33(j)(1)(G)] .....                     | 39        |
| M. Inspection to Determine Compliance [RCSA §22a-174-33(j)(1)(M)] .....         | 39        |
| N. Permit Availability .....                                                    | 39        |
| O. Severability Clause [RCSA §22a-174-33(j)(1)(R)] .....                        | 39        |
| P. Need to Halt or Reduce Activity [RCSA §22a-174-33(j)(1)(T)] .....            | 39        |
| Q. Permit Requirements [RCSA §22a-174-33(j)(1)(V)] .....                        | 40        |
| R. Property Rights [RCSA §22a-174-33(j)(1)(W)] .....                            | 40        |
| S. Alternative Operating Scenario Records [RCSA §22a-174-33(o)(3)] .....        | 40        |
| T. Operational Flexibility and Off-Permit Changes [RCSA §22a-174-33(r)(2)]..... | 40        |
| U. Information for Notification [RCSA §22a-174-33(r)(2)(A)] .....               | 40        |
| V. Transfers [RCSA §22a-174-2a(g)] .....                                        | 41        |
| W. Revocation [RCSA §22a-174-2a(h)] .....                                       | 41        |
| X. Reopening for Cause [RCSA §22a-174-33(s)] .....                              | 41        |
| Y. Credible Evidence .....                                                      | 41        |

## **Title V Operating Permit**

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

## LIST OF ABBREVIATIONS/ACRONYMS

| <i>Abbreviation/Acronym</i> | <i>Description</i>                                          |
|-----------------------------|-------------------------------------------------------------|
| °C                          | Degree Celsius                                              |
| °F                          | Degree Fahrenheit                                           |
| acfm                        | Actual cubic feet per minute                                |
| AOS                         | Alternative Operating Scenario                              |
| ASC                         | Actual Stack Concentration                                  |
| CEM                         | Continuous Emission Monitor                                 |
| CFR                         | Code of Federal Regulations                                 |
| CGS                         | Connecticut General Statutes                                |
| CO                          | Carbon Monoxide                                             |
| CO <sub>2</sub>             | Carbon Dioxide                                              |
| CP/OP                       | Construction Permit/Operating Permit                        |
| DEEP                        | Department of Energy and Environmental Protection           |
| dscf                        | Dry standard cubic feet                                     |
| dscm                        | Dry standard cubic meters                                   |
| EU                          | Emissions Unit                                              |
| EPA                         | Environmental Protection Agency                             |
| ERC                         | Emission Reduction Credit                                   |
| FLER                        | Full Load Emission Rate                                     |
| GEU                         | Grouped Emissions Unit                                      |
| gph                         | Gallons per hour                                            |
| gpm                         | Gallons per minute                                          |
| HAP                         | Hazardous Air Pollutant                                     |
| hr                          | Hour                                                        |
| lb                          | Pound                                                       |
| MACT                        | Maximum Achievable Control Technology                       |
| MASC                        | Maximum Allowable Stack Concentration                       |
| MSDS                        | Material Safety Data Sheet                                  |
| NESHAP                      | National Emission Standards for Hazardous Air<br>Pollutants |
| NO <sub>2</sub>             | Nitrogen Dioxide                                            |
| NO <sub>x</sub>             | Nitrogen Oxides                                             |
| NSPS                        | New Source Performance Standard                             |
| NSR                         | New Source Review                                           |
| Pb                          | Lead                                                        |
| 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                    |
| ppmvd                       | Parts per million, volumetric basis dry                     |
| PTE                         | Potential to Emit                                           |

## LIST OF ABBREVIATIONS/ACRONYMS, continued

| <i>Abbreviation/Acronym</i> | <i>Description</i>                        |
|-----------------------------|-------------------------------------------|
| RCSA                        | Regulations of Connecticut State Agencies |
| SIC                         | Standard Industrial Classification Code   |
| SIP                         | State Implementation Plan                 |
| SO <sub>2</sub>             | Sulfur Dioxide                            |
| SO <sub>x</sub>             | Sulfur Oxides                             |
| SOS                         | Standard Operating Scenario               |
| tph                         | Tons per hour                             |
| tpy                         | Tons per year                             |
| TSP                         | Total Suspended Particulate               |
| VOC                         | Volatile Organic Compound                 |

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

### **A. PREMISES INFORMATION**

Nature of Business: Metal Processing  
Primary SIC: 3499

Facility Mailing Address: 21 Toelles Road, Wallingford, CT 06492  
Telephone Number: (860) 265-6731

### **B. PREMISES DESCRIPTION**

AMETEK, Specialty Metal Products Division (AMETEK) is a manufacturer of various types and sizes of specialty metals and wires and is located in Wallingford, CT. Operations at the facility include metal powder processing, sintering, grinding, degreasing of metal sheets, wire drawing and slitting. Metal sheets are AMETEK's main product, and they are produced by compacting metal powder in a rolling mill, then the sheets are sintered and rolled down to the specific thickness that is required by the customers.

The emissions units at the facility include blenders, compact mills, annealing and sintering furnaces, solvent cleaning machines and slitters. The solvent cleaning machines are subject to the National Emissions Standards for Hazardous Air Pollutants: Halogenated Solvents (40 CFR 63 Subpart T).

AMETEK exceeds the major source threshold for HAPs (Trichloroethylene). AMETEK is a Title V source located in a severe ozone non-attainment area defined in RCSA 22a-174-1(106).

## Section II: Emissions Units Information

### A. EMISSIONS UNITS DESCRIPTION

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

| <b>TABLE II.A: EMISSIONS UNITS DESCRIPTION</b>        |                                                                                                                                                   |                                                                                                                      |                                                              |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| <b>Emissions Unit/<br/>Grouped<br/>Emissions Unit</b> | <b>Emissions Unit<br/>Description</b>                                                                                                             | <b>Control Unit<br/>Description</b>                                                                                  | <b>Permit, Order, Registration,<br/>or Regulation Number</b> |
| EU-49                                                 | Compact Mill<br>(Primary<br>Department)<br>Constructed: 1978<br>Maximum Process<br>Design Rate: 1000<br>lb/hr                                     | UAS Pulse Type<br>Dust Collector<br>With a secondary<br>AIRGUARD HEPA<br>filter system                               | None                                                         |
| EU-53                                                 | A Patterson-Kelley<br>10 cu ft Twin Shell<br>Blender. Serial No.<br>BC63103<br>Constructed: 2012<br>Maximum Process<br>Design Rate: 4000<br>lb/hr | UAS Pulse Type<br>Dust Collector<br>With a secondary<br>AIRGUARD HEPA<br>filter system                               | Permit No. 189-0248                                          |
| EU-54                                                 | 30 cuft Blender<br>Constructed: 1978<br>Maximum Process<br>Design Rate: 6660<br>lb/hr                                                             | Blender Unit sealed<br>when operating and<br>enclosed in room<br>which is closed<br>during operation of<br>the unit. | None                                                         |
| EU-57                                                 | NX Sinter furnace<br>No. 1<br>Constructed: 1978<br>Maximum process<br>Design Rate: 20 lb/hr                                                       | DCE Vokes Dust<br>Collector                                                                                          | None                                                         |
| EU-64                                                 | Strip Belt Grinder<br>Constructed 1987                                                                                                            | UAS Pulse Type<br>Dust Collector<br>With a secondary<br>AIRGUARD HEPA<br>filter system                               | Permit No. 189-0249                                          |

## Section II: Emissions Units Information

| <b>TABLE II.A: EMISSIONS UNITS DESCRIPTION</b>        |       |                                                                                                            |                                                           |                                                              |
|-------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|
| <b>Emissions Unit/<br/>Grouped<br/>Emissions Unit</b> |       | <b>Emissions Unit<br/>Description</b>                                                                      | <b>Control Unit<br/>Description</b>                       | <b>Permit, Order, Registration,<br/>or Regulation Number</b> |
| GEU-1                                                 | EU-76 | Vaughn Wire Drawing Machine 553-1, Basement<br>Constructed: 1955<br>Maximum Process Design Rate: 280 lb/hr | None                                                      | None                                                         |
|                                                       | EU-77 | Vaughn Wire Drawing Machine 552, Basement<br>Constructed: 1952<br>Maximum Process Design Rate: 280 lb/hr   | UAS Pulse Type Dust Collector                             | None                                                         |
| GEU-2                                                 | EU-78 | Baron Blakeslee Continuous Web solvent cleaning machine<br>Constructed: 1977                               | Freeboard Refrigeration, Squeegee System                  | Permit No. 189-0217                                          |
|                                                       | EU-85 | Ultra-Kool In-Line Vapor Degreaser Model 208-32-50<br>Constructed: 9/2013                                  | Freeboard Refrigeration Superheated Vapor Squeegee System | Permit No. 189-0241                                          |
| GEU-3                                                 | EU-81 | Slitter #1<br>Constructed: 1978<br>Maximum Process Design Rate: 7.4 lb/hr                                  | None                                                      | None                                                         |
|                                                       | EU-82 | Slitter #2<br>Constructed: 1978<br>Maximum Process Design Rate: 7.4 lb/hr                                  | None                                                      | None                                                         |
|                                                       | EU 83 | Slitter #12<br>Constructed: 1978<br>Maximum Process Design Rate: 7.4 lb/hr                                 | None                                                      | None                                                         |

## Section II: Emissions Units Information

### B. OPERATING SCENARIO IDENTIFICATION

The Permittee shall be allowed to operate under the following Standard Operating Scenarios (SOS) and Alternative Operating Scenarios (AOS) without notifying the commissioner, provided that such operations are explicitly provided for and described in Table II.B. The Permittee shall record contemporaneously, the operating scenario under which each emissions unit is operating in a log to be kept at the subject premises. [There are no Alternate Operating Scenarios (AOS) for the premises.]

| <b>TABLE II.B: OPERATING SCENARIO IDENTIFICATION</b> |                                                     |                                                                                                                                                                                                              |
|------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Identification of Operating Scenario</b>          | <b>Emissions Units Associated with the Scenario</b> | <b>Description of Scenario</b>                                                                                                                                                                               |
| SOS                                                  | EU-49                                               | Compact mill used for the compaction of metal powders into sheet form prior to sintering furnace.                                                                                                            |
|                                                      | EU-53                                               | Blending units used to blend together metallic powder to make various metal parts.                                                                                                                           |
|                                                      | EU-54                                               | Blending units used to blend together metallic powder to make various metal parts.                                                                                                                           |
|                                                      | EU-57                                               | Sintering Furnace used to heat metallic powder short of the material's melting point, but high enough for the metallic powder to fuse together through the process of sintering to make various metal parts. |
|                                                      | EU-64                                               | Used to remove burrs, round edges, and polish metal sheets and wires.                                                                                                                                        |
|                                                      | GEU-1                                               | Wire drawing machines used to reduce wire gage.                                                                                                                                                              |
|                                                      | GEU-2                                               | Continuous web solvent cleaning machines using trichloroethylene as solvent.                                                                                                                                 |
|                                                      | GEU-3                                               | Slitting operations using a solvent.                                                                                                                                                                         |

### 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 49 (EU-49) – Compact Mill

##### 1. Particulate Matter (PM, PM<sub>10</sub>, PM<sub>2.5</sub>)

###### a. Limitation or Restriction

Allowable Particulate Matter Emissions, “E” in lb/hr, shall not exceed the emissions limit as determined by the following equation: [RCSA §22a-174-18(f)(3)]

$$E = (3.59 \times P^{0.62})$$

Where P = Process weight rate in tons per hour

E = Maximum allowable PM emission rate (lb/hr)

###### b. Monitoring and Testing Requirements

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

###### c. Record Keeping Requirements

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

###### d. Reporting Requirements

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

#### B. Emission Unit 53 (EU-53) - 10 Cubic Foot Twin Shell Blender (P 189-0248)

##### 1. Particulate Matter (PM, PM<sub>10</sub>, PM<sub>2.5</sub>)

###### a. Limitation or restriction

###### i. Minimum Batch Processing Time (hr): 0.5

Where Batch Processing Time shall be defined as – Batch Setup Time + Batch Operating Time + Batch Takedown Time [P 189-0248]

###### ii. Minimum Batch Processing Time at Blender Capacity (hr): 1 [P 189-0248]

###### iii. Maximum Blender Processing Capacity (lb/hr): 2,800 [P 189-0248]

### Section III: Applicable Requirements and Compliance Demonstration

iv. Allowable PM, PM<sub>10</sub>, PM<sub>2.5</sub> emissions [P 189-0248]

(A) 0.025 lb/hr

(B) 0.11 tpy

*b. Monitoring and Testing Requirements*

i. The Permittee shall monitor the number of batches, the total weight (lb) of each batch, and the material composition of each batch processed by the blender. [P 189-0248]

ii. The Permittee shall monitor the processing time of each batch processed by the blender. [P 189-0248]

iii. The Permittee shall operate and maintain this equipment in accordance with the manufacturer's specifications and written recommendations. [P 189-0248]

iv. Recurrent stack testing for PM, PM<sub>10</sub>, and PM<sub>2.5</sub> shall be conducted within five years of the date of the previous stack test. [P 189-0248]

*c. Record Keeping Requirements*

i. The Permittee shall keep daily monthly, and annual records of the number of batches processed by the blender. [P 189-0248]

ii. The Permittee shall keep daily records of the time it takes to process each batch in the blender. [P 189-0248]

iii. The Permittee shall keep daily monthly, and annual records of the total weight (lb) of each batch as well as the weight (lb) of each component material in each batch and its percentage by weight of the total weight (lb) of each batch processed by the blender. [P 189-0248]

iv. For each distinct batch composition formula, the Permittee shall calculate and keep sample records of the Actual Stack Concentration (ASC) for each HAP in that batch formula. This shall be done in order to verify that the ASC does not exceed the Maximum Allowable Stack Concentration (MASC) for each individual HAP in that formula. These calculations shall be based on an overall control efficiency of 99.9%. [P 189-0248]

v. The Permittee shall calculate and record the monthly and consecutive 12-month PM, PM<sub>10</sub>, and PM<sub>2.5</sub> emissions in units of tons. The consecutive 12-month emissions shall be determined by adding (for each pollutant) the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [P 189-0248]

*d. Reporting Requirements*

i. The stack test results shall be reported in units of lb/hr for PM, PM<sub>10</sub>, PM<sub>2.5</sub>. [P 189-0248]

ii. The permittee shall submit test results within 30 days after completion of testing. [P 189-0248]

### Section III: Applicable Requirements and Compliance Demonstration

- iii. The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of the 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. Control Equipment (Operating Conditions)

##### a. Limitation or Restriction

- i. Primary Filter System Pulse Type Cartridge Filter (12 filters) System [P 189-0248]
  - (A) Pressure Drop Range across the Cartridge Filter System (inches H<sub>2</sub>O): 0.2 to 5.0
- ii. Secondary Filter System: Airguard High Capacity HEPA filters. [P 189-0248]
  - (A) Pressure Drop Range across HEPA Filter System (inches H<sub>2</sub>O): 0.5 to 5.0
- iii. Minimum Capture Efficiency %: 100 [P 189-0248]
- iv. Minimum Overall Control Efficiency %: 99.9 [P 189-0248]
- v. Both the primary and secondary filter systems shall be equipped with continuous pressure drop monitoring equipment. [P 189-0248]
- vi. Both the primary and secondary filter systems shall be equipped with bag leak detector systems. [P 189-0248]
- vii. The blender shall not continuously process cobalt more than 7.5 hours in any one eight hour period. [P 189-0248]
- viii. The control equipment shall be operating whenever the blender is operating. [P 189-0248]

##### b. Monitoring and Testing Requirements

- i. The Permittee shall operate the control equipment within the parameters specified in Section III.B.2.a of this Title V permit. The Permittee shall maintain these parameters within the ranges recommended by the manufacturer to achieve compliance with the emission limits in this permit. [P 189-0248]
- ii. The Permittee shall monitor and record the pressure drop across the UAS pulse type cartridge filter system during each blender operation. If the pressure change across the system deviates from the design operating range specified in Section III.B.2.a.i.(A) of this Title V permit, corrective action shall be taken before operations are resumed. [P 189-0248]
- iii. The Permittee shall monitor and record the pressure drop across the Airguard HEPA filter system during each blender operation. If the pressure change across the system deviates from the design operating range specified in Section III.B.2.a.ii.(A) of this Title V permit, corrective action shall be taken before operations are resumed. [P 189-0248]
- iv. The Permittee shall continuously monitor the output from the bag leak detector systems. If an alarm sounds, corrective action shall be taken before operations are resumed. [P 189-0248]

### Section III: Applicable Requirements and Compliance Demonstration

- v. The Permittee shall perform inspections of the control devices as recommended by the manufacturer or, at a minimum, at least once annually. [189-0248]
  - vi. Recurrent stack testing for overall control efficiency shall be conducted within five years of the date of the previous stack test. [189-0248]
  - vii. Stack testing shall be performed to determine if the overall control efficiency of the combined filter systems is 99.9% or greater. [P 189-0248]
  - viii. Overall control efficiency shall be determined using approved EPA reference Methods. [P 189-0248]
- c. *Record Keeping Requirements*
- i. The Permittee shall record the pressure drop of the UAS pulse type cartridge filter system during each blender operation. Each time the pressure drop across the system deviates from the operating range specified in Section III.B.2.a.i.(A) of this Title V permit, the Permittee shall record, at a minimum, the following for each occurrence. [P 189-0248]
    - (A) The date of the deviation;
    - (B) The reason for the deviation;
    - (C) The corrective action taken; and
    - (D) The person(s) making the entry.
  - ii. The Permittee shall record the pressure drop of the Airguard HEPA filter system during each blender operation. Each time the pressure drop across the system deviates from the operating range specified in Section III.B.2.a.ii.(A) of this Title V permit, the Permittee shall record, at a minimum, the following for each occurrence. [P 189-0248]
    - (A) The date of the deviation;
    - (B) The reason for the deviation;
    - (C) The corrective action taken; and
    - (D) The person(s) making the entry.
  - iii. The Permittee shall keep records of each time the bag leak detector alarm for the UAS pulse type cartridge filter system and/or the Airguard HEPA filter system sounds. These records shall, at a minimum, include the following for each occurrence. [P 189-0248]
    - (A) The date of the deviation;
    - (B) The reason for the deviation;
    - (C) The corrective action taken; and
    - (D) The person(s) making the entry.

### Section III: Applicable Requirements and Compliance Demonstration

iv. The Permittee shall keep records of inspections and maintenance of the control devices. [189-0248]

*d. Reporting Requirements*

i. The stack test results shall be reported in units of percent for overall control efficiency. [P 189-0248]

ii. The Permittee shall submit test results within 30 days after completion of testing. [P 189-0248]

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

#### C. Emission Unit 54 (EU-54)

##### 1. Particulate Matter (PM, PM<sub>10</sub>, PM<sub>2.5</sub>)

*a. Limitation or Restriction*

Allowable Particulate Matter Emissions, "E" in lb/hr, shall not exceed the emission limit as determined by the following equation: [RCSA §22a-174-18(f)(3)]

$$E = (3.59 \times P^{0.62})$$

Where P = Process weight rate in tons per hour

E = maximum allowable PM emission rate (lb/hr)

*b. Monitoring and testing Requirements*

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

*c. Reporting requirements*

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

*d. Reporting requirements*

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

### Section III: Applicable Requirements and Compliance Demonstration

#### D. EMISSION UNIT 57 (EU-57) – Sinter Furnace

##### 1. Particulate Matter

###### a. Limitation or Restriction

Allowable Particulate Matter Emissions “E” in lb/hr shall not exceed the emission limit as determined by The following equation: [RCSA §22a-174-18(f)(3)]

$$E = (3.59 \times P^{0.62})$$

Where P = Process weight rate in tons per hour

E = Maximum allowable PM emission rate (lb/hr)

###### b. Monitoring and Testing Requirements

Record keeping specified in Section III.D.1.c of this Title V permit shall be sufficient to meet other Monitoring and Testing Requirements pursuant to RCSA §22a-174-33.

[RCSA §22a-174-33(j)(1)(K)(ii)]

###### c. Record Keeping Requirements

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

###### d. Reporting Requirements

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

#### E. EMISSION UNIT 64 (EU-64) – Strip Belt Grinder (P 189-0249)

##### 1. Particulate Matter (PM, PM<sub>10</sub>, PM<sub>2.5</sub>)

###### a. Limitation or Restriction

i. Minimum Batch Processing Time (hr): 0.33 [P 189-0249]

Where batch Processing Time shall be defined as – Batch Setup Time + Batch Operating Time + Batch Takedown Time

ii. Minimum Batch Processing Time at Maximum Loading Capacity (hr): 1.0 [P 189-0249]

iii. Maximum Batch Capacity (lb): 5,500 [P 189-0249]

iv. Allowable PM, PM<sub>10</sub>, PM<sub>2.5</sub> emissions [P 189-0249]

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

(A) 0.011 lb/hr

(B) 0.048 tpy

#### *b. Monitoring and Testing Requirements*

- i. The permittee shall monitor the number of batches (coils), the total weight (lb) of each batch (coil), and the material composition of each batch (coil processed by the strip belt grinder. [P 189-0249]
- ii. The Permittee shall monitor the processing time of each batch (coil) processed by the strip belt grinder. [189-0249]
- iii. The Permittee shall operate and maintain this equipment in accordance with the manufacturer's specifications and written recommendations. [189-0249]
- iv. Recurrent stack testing for PM, PM<sub>10</sub>, and PM<sub>2.5</sub> shall be conducted within five years from the date of the previous stack test. [P 189-0249]

#### *c. Record Keeping Requirements*

- i. The Permittee shall keep daily monthly and annual records of the number of batches (coils) processed by the strip belt grinder. [P 189-0249]
- ii. The Permittee shall keep daily records of the time it takes to process each batch (coil) through the strip belt grinder. [P 189-0249]
- iii. The Permittee shall keep daily monthly and annual records of the total weight (lb) of each batch (coil) as well as the weight (lb) of each component material in each batch (coil) and its percentage by weight of the total weight (lb) of each batch (coil) processed by the strip belt grinder. [P 189-0249]
- iv. For each batch (coil) composition formula the Permittee shall calculate and keep records of the Actual Stack Concentration (ASC) for each metallic HAP in that batch formula in order to verify that ASC does not exceed the Maximum Allowable Stack Concentration (MASC) for each individual metallic HAP in that formula. These calculations shall be based on an overall control efficiency of 99.97%. [P 189-0249]
- v. The Permittee shall calculate and record the monthly and consecutive 12-month PM, PM<sub>10</sub>, and PM<sub>2.5</sub> emissions in units of tons. The consecutive 12 months emissions shall be determined by adding (for each pollutant) the current month's emissions to that of the previous 11 months. Such records shall include a sample calculation for each pollutant. The Permittee shall make these calculations within 30 days of the end of the previous month. [P 189-0249]

#### *d. Reporting Requirements*

- i. The stack test results shall be reported in units of lb/hr for PM, PM<sub>10</sub>, PM<sub>2.5</sub>. [P 189-0249]
- ii. The Permit shall submit test results within 30 days after completion of testing. [P 189-0249]
- iii. The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of the receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

## Section III: Applicable Requirements and Compliance Demonstration

### 2. Control Equipment (Operating Conditions)

#### a. Limitation or Restriction

- i. Primary Filter System: UAS Pulse Type Cartridge Filter (16 filters) System [P 189-0249]
  - (A) Pressure Drop Range across the Cartridge Filter System (inches H<sub>2</sub>O): 1.0 to 5.0
- ii. Secondary Filter System: Airguard High Capacity HEPA Filters [P 189-0249]
  - (A) Pressure Drop Range across the HEPA Filter System (inches H<sub>2</sub>O): 0.2 to 5.0
- iii. Minimum Capture Efficiency %: 100 [P 189-0249]
- iv. Minimum Overall Control Efficiency %: 99.97 [P 189-0249]
- v. Both the primary and secondary filter systems shall be equipped with continuous pressure drop monitoring equipment. [P 189-0249]
- vi. Both the primary and secondary filter systems shall be equipped with bag leak detector systems. [P 189-0249]
- vii. The control equipment shall be operating whenever the strip belt grinder is operating. [P 189-0249]

#### b. Monitoring and Testing Requirements

- i. The Permittee shall monitor the control equipment within the parameters specified in Section III.D.2.a of this Title V permit. The Permittee shall maintain these parameters within the ranges recommended by the manufacturer to achieve compliance with the emission limits in this permit. [P 189-0249]
- ii. The Permittee shall monitor and record the pressure drop across the UAS pulse type cartridge filter system during each strip belt grinder operation. If the pressure change across the system deviates from the design operating range specified in Section III.D.2.a.i.(A) of this Title V permit, corrective action shall be taken before operations are resumed. [P 189-0249]
- iii. The Permittee shall monitor and record the pressure drop across the Airguard HEPA filter system during each strip belt grinder operation. If the pressure change across the system deviates from the design operating range specified in Section III.D.2.a.ii.(A) of this Title V permit, corrective action shall be taken before operations are resumed. [P 189-0249]
- iv. The Permittee shall continuously monitor the output from the bag leak detector system. If an alarm sounds, corrective action shall be taken before operations are resumed. [P 189-0249]
- v. The Permittee shall perform inspections of the control devices as recommended by the manufacturer or, at a minimum, at least once annually. [P 189-0249]

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

- vi. Recurrent stack testing for overall control efficiency shall be conducted within five years of the date of the previous stack test. [189-0249]
- vii. Stack testing shall be performed to determine if the overall control efficiency of the combined filter systems is 99.97% or greater. [P 189-0249]
- viii. Overall control efficiency shall be determined using approved EPA reference Methods. [P 189-0248]

#### *c. Record Keeping Requirements*

- i. The Permittee shall keep records of inspections and maintenance of the control devices. [P 189-0249]
- ii. The Permittee shall record the pressure drop across the UAS pulse type cartridge filter system during each strip belt grinder operation. Each time the pressure drops across the system deviates from the operating range specified in Section III.D.1.a.i.(A) of this Title V permit, the Permittee shall record, at a minimum, the following for each occurrence: [P 189-0249]
  - (A) The date of the deviation;
  - (B) The reason for the deviation;
  - (C) The corrective action taken; and
  - (D) The person(s) making the entry.
- iii. The Permittee shall record the pressure drop across the Airguard HEPA filter system during each strip belt grinder operation. Each time the pressure drops across the system deviates from the operating range specified in Section III.D.1.a.ii.(A) of this Title V permit, the Permittee shall record, at a minimum, the following for each occurrence: [P 189-0249]
  - (A) The date of the deviation;
  - (B) The reason for the deviation;
  - (C) The corrective action taken; and
  - (D) The person(s) making the entry.
- iv. The Permittee shall keep records of each time the bag leak detector alarm for the UAS pulse type cartridge filter system and or the Airguard HEPA filter system sounds. These records shall, at a minimum, include the following for each occurrence. [P 189-0249]
  - (A) The date and time of the alarm;
  - (B) The reason for the alarm;
  - (C) The corrective action taken; and

### Section III: Applicable Requirements and Compliance Demonstration

(D) The Person(s) making the entry.

*d. Reporting Requirements*

- i. The stack test results shall be reported in units of percent for overall control efficiency. [P 189-0249]
- ii. The Permittee shall submit test results within 30 days after completion of testing. [P 189-0249]
- iii. The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

#### F. GROUPED EMISSION UNIT 1 (GEU-1) - Two Vaughn Wire Drawing Machines EU-76 & EU-77

##### 1. Particulate Matter (PM, PM<sub>10</sub>, PM<sub>2.5</sub>)

*a. Limitation or Restriction*

Allowable Particulate Matter Emissions "E" in lb/hr shall not exceed the emission limit as determined by the following equation: [RCSA §22a-174-18(f)(3)]

$$E = (3.59 \times P^{0.62})$$

Where P = Process weight rate in tons per hour

E = Maximum allowable PM emission rate (lb/hr)

*b. Monitoring and Testing Requirements*

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

*c. Record Keeping Requirements*

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

*d. Reporting Requirements*

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

### Section III: Applicable Requirements and Compliance Demonstration

#### G. GROUPED EMISSION UNIT 2 (GEU-2) - Solvent Cleaning Machines (Degreasers) EU-78 & EU-85 (Permit Nos. 189-0217 and 189-0241)

##### 1. Design, Work Requirements and Operational Practices

###### a. Limitation or Restriction

- i. Solvent cleaning machine EU-78 shall have a freeboard ratio of 0.75 or greater.  
[P 189-0217; 40 CFR §63.463(g)(3)(ii); RCSA §22a-174-20(1)(1)(G)]
- ii. Solvent cleaning machine EU-85 shall have a freeboard ratio of 1.0 or greater. [P 189-0241]
- iii. Each solvent cleaning machine shall have a primary condenser.  
[P 189-0217, P 189-0241; 40 CFR §63.463(g)(3)(vi)]
- iv. Each solvent cleaning machine is equipped with a vapor control device that shuts off sump heat if the vapor level rise above the height of the primary condenser or the condenser coolant is not circulating.  
[P 189-0217, P 189-0241; 40 CFR §63.463(g)(3)(v); RCSA §22a-174-20(1)(5)(B)(i)]
- v. Each solvent cleaning machine is equipped with a spray safety switch that shuts off the spray pump or the conveyer if the vapor level drops more than 10 centimeters (4 inches) below the lowest condensing coil. [P 189-0241; RCSA §22a-174-20(1)(5)(B)(ii)]
- vi. Any spraying operations shall be conducted in a section of the solvent cleaning machine that is not directly exposed to the ambient air (i.e., a baffled or closed area of the solvent cleaning machine).  
[P 189-0217, P 189-0241; 40 CFR §63.463(g)(4)(ii)]
- vii. During startup of the solvent cleaning machine, the primary condenser shall be turned on before the sump heater. [P 189-0217, P 189-0241; 40 CFR §63.463(g)(4)(iii)]
- viii. During shutdown of the solvent cleaning machine, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off.  
[P 189-0217, P 189-0241; 40 CFR §63.463(g)(4)(iv)]
- ix. When solvent is added or drained from the solvent cleaning machines, the solvent is transferred using threaded or other leak-proof couplings and the end of the pipe in the solvent sump is located beneath the liquid solvent surface. [P 189-0217, P 189-0241; 40 CFR §163.463(g)(4)(v)]
- x. The solvent cleaning machines and associated controls shall be maintained as recommended by the manufacturer of the equipment or uses alternative maintenance practices that have been demonstrated to the commissioner's satisfaction to achieve the same or better results as those recommended by the manufacturer. [P 189-0217, P 189-0241; 40 CFR §63.463(g)(4)(vi)]
- xi. Sponges, fabric wood, and paper products shall not be cleaned. This prohibition does not apply to absorbent materials used as part of the cleaning process of continuous web cleaning machines, including rollers and roller covers.  
[P 189-0217, P 189-0241; 40 CFR §63.463(g)(4)(viii); 40 CFR 63.463(g)(4)(ix)]

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

- xii. Waste solvent, still bottoms, sump bottoms and waste absorbent materials used in the cleaning process for continuous web cleaning machines shall be collected and stored in waste containers. The closed containers may contain a device that allows pressure relief but does not allow liquid solvent to drain from the container. Waste degreasing solvent shall not be disposed of or transferred in such a way as to allow greater than 20% (by weight) to evaporate into the atmosphere.  
[P 189- 0217, P 189-0241; RCSA §22a-174-20(1)(5)(C); 40 CFR §63.463(g)(4)(vii)]
- xiii. Store waste degreasing solvent and not dispose of waster degreasing solvent or transfer it to another party, such that greater than twenty (20) percent of the waste degreasing solvent (by weight can evaporate into the atmosphere. [P 189-0241; RCSA §22a-174-20(1)(5)(C)]
- xiv. Rack parts to allow complete drainage. [P 189-0241; RCSA §22a-174-20(1)(5)(D)]
- xv. Use a drying tunnel, rotating basket, or other equivalent method to prevent cleaned parts from carrying out solvent liquid. [P 189-0241; RCSA §22a-174-20(1)(5)(F)]
- xvi. Minimize openings during operation so that entrance and exists will silhouette workloads with an average clearance between the parts and the edge of the degreasing unit opening of less than ten (10) centimeters (4 inches) or less than ten (10) percent of the width of the opening.  
[P 189-0241; RCSA §22a-174- - 20(1)(5)(H)]
- xvii. Place covers over entrances and exits immediately after conveyors and exhausts are shutdown, leaving them in place until just prior to start-up. [P 189-0241; RCSA §22a-174-20(1)(5)(G)]
- xviii. Prevent water from being visually detectible in solvent exiting the water separator.  
[P 189-0241; RCSA §22a-174-20(1)(5)(I)]
- xix. Do not provide exhaust ventilation exceeding twenty (20) cubic meters per minute per square meter (65 cubic feet per minute per square foot) of degreasing unit open area, unless necessary to meet OSHA requirements. [P 189-0241; RCSA §22a-174-20(1)(5)(J)]
- xx. Do not operate the unit upon the occurrence of any visible solvent leak until such leak is repaired.  
[P 189-0241; RCSA §22a-174-20(1)(5)(K)]
- xxi. Provide a permanent, conspicuous label on or posted near each unit summarizing the applicable operating requirements. [RCSA §22a-174-20(1)(5)(L)]
- xxii. The Permittee shall properly operate the control equipment at all times that this equipment is in operation and emitting air pollutants. [P 189-0217, P 189-0241]

#### *b. Monitoring and Testing Requirements*

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

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

#### *c. Record Keeping Requirements*

- i. The Permittee shall maintain the owner's manual, or if not available, written maintenance and operating procedures, for the solvent cleaning machines (degreasers) and control equipment. [P 189-0217, P 189-0241]
- ii. The Permittee shall keep records of the date of installation for the solvent cleaning machines (degreasers) and all of their control devices. If the exact date for the installations is not known, a letter(s) certifying that the solvent cleaning machines (degreasers) and their control devices were installed prior to, or on November 29, 1993, or after November 29, 1993, may be substituted. [P 189-0217, P 189-0241]
- iii. The Permittee shall maintain records sufficient to demonstrate compliance with design, work requirements and operational practices in Section III.G.1.a of this Title V permit. [RCSA §22a-174-33(j)(1)(K)]

#### *d. Reporting Requirements*

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

## **2. Maximum Solvent Usage – Trichloroethylene (TCE)**

#### *a. Limitation or Restriction*

- i. Maximum hourly solvent usage: 4.3 lb/hr (each for EU-78 & EU-85) [P 189-0217; P 189-0241]
- ii. Maximum yearly solvent usage: 37,869 lb/yr (for EU-78) [P 189-0217]
- iii. Maximum yearly solvent usage: 37,695 lb/yr (for EU-85) [P 189-0241]
- iv. All equipment operators shall be trained in the proper operating and maintenance of both the solvent cleaning machines (degreasers) and control devices. [P 189-0217, P 189-0241]

#### *b. Monitoring and Testing Requirements*

The Permittee shall monitor the amount of solvent consumed in each solvent cleaning machine. Solvent consumption shall be determined by the amount of solvent added to each solvent cleaning machine during the measurement period plus any differential in the solvent contained in each reservoir at the beginning and ending of the measurement period. [RCSA §22a-174-33(j)(1)(K)(ii)]

#### *c. Record Keeping Requirements*

- i. The Permittee shall keep records of the hourly solvent consumption rate in (lb/hr) for both EU-78 and EU-85. [RCSA §22a-174-33(o)(2)]

### Section III: Applicable Requirements and Compliance Demonstration

- ii. The Permittee shall keep records of the halogenated HAP solvent content for each solvent used. [P 189-0217, P 189-0241]
- iii. The Permittee shall calculate and record the monthly and consecutive 12-month solvent consumption. The consecutive 12-month solvent consumption shall be determined by adding the current month's consumption to that of the previous 11 months. The Permittee shall make these calculations within 30 days of the previous month. [Permit 189-0217 and 189-0241, 40 CFR §63.467(b)(3)]

#### d. Reporting Requirements

- i. The Permittee shall submit, to the commissioner, an annual report by February 1 of the year following the one for which the reporting is being made. This report shall include the requirements specified below: [Permit 189-0217 and 189-0241, 40 CFR §63.467(f)(3)]
  - (A) Signed statement from the Permittee or his/her designee stating that, "All operators of the solvent cleaning machines have received training on the proper operation of solvent cleaning machines and the control devices sufficient to pass the test required in 40 CFR Part 63, Subpart T, Appendix A."
  - (B) An estimate of solvent consumption for each solvent cleaning machine during the reporting period.
- ii. The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §33a-17433(j)(1)(X)]

### 3. Allowable VOC/HAP Emissions

#### a. Limitation or Restriction

- i. Allowable VOC/HAP Emissions: 16.33 tpy [P 189-0217]
- ii. Allowable VOC/HAP Emissions: 3,141 lb/month and 18.8 tpy [P 189-0241]

#### b. Monitoring and Testing Requirements

- i. The Permittee shall monitor the monthly VOC/HAP emissions from each solvent cleaning machine. VOC/HAP emissions shall be determined using the following equation: [Permit 189-0217 and 189-0241]

Solvent Emitted (VOC/HAP) = Solvent Consumed - (Waste Solvent \* % TCE), .  
where:

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

- (A) Solvent Emitted (gal/yr) means Solvent Consumption less Solvent Removed during the measurement period and gal/yr means gallons per twelve (12) consecutive months.
- (B) Solvent Consumption (gal/yr) means the amount of solvent added to the solvent cleaning machine during the measurement period plus any differential in the solvent contained in the reservoir at the beginning and ending of the measurement period:
- (C) Waste Solvent (gal/yr) means the amount of solvent and contaminants removed from the solvent cleaning machine.
- (D) % TCE means the percentage (by weight) of trichloroethylene present in the quantity manifested as determined by the manifest disposer.
- ii. Record keeping specified in Section.G.1.c of this Title v permit shall be sufficient to meet other Monitoring and testing requirements pursuant to RCSA §22a-174-33.  
[RCSA §22a-174-33(j)(l)(K)(ii)]
- c. Record Keeping Requirements*
- i. The Permittee shall make and keep records from the waste disposer certifying the quantity of waste solvent and the percentage of trichloroethylene present in the waste solvent for each shipment of waste solvent. The certification shall include the name of the waste disposer, the percentage of trichloroethylene in the waste solvent and the method used to determine the trichloroethylene content. [Permit 189-0217 and 189-0241]
- ii. The permittee shall calculate the monthly and consecutive 12 months TCE consumption, waste solvent and solvent emitted. The consecutive 12-month TCE consumption, waste solvent and solvent emitted shall be determined by adding the current month's consumption, waste solvent, and solvent emitted to that of the previous 11 months. [Permit 189-0217 and 189-0241]
- d. Reporting Requirements*
- i. The permittee shall submit an exceedance report to the Commissioner semi-annually, except when, the Commissioner determines on a case-by case basis that more frequent reporting is necessary to accurately assess the compliance status of the source or, an exceedance occurs. Once an exceedance has occurred the Permittee shall follow a quarterly reporting format until a request to reduce shall follow a quarterly reporting format until a request to reduce reporting frequency, as outlined under this section, is approved. Exceedance reports shall be delivered or postmarked by the 30<sup>th</sup> day following the end of each calendar half or quarter, as appropriate. The Exceedance report shall include the following applicable information. [P 189-0217, P 189-0241; 40 CFR §63.468(h)]
- (A) Records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitoring parameters have returned to accepted levels.

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

- (B) If an exceedance has occurred, the reason for the exceedance and a description of the actions taken.
- (C) If no exceedances of a parameter have occurred, or a piece of equipment has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report.
- (D) The permittee, if required to submit an exceedance report on a quarterly (or more frequent) basis, may reduce the frequency of reporting to semiannual if the following conditions are met in accordance with 40 CFR §63.468(i):
  - (1) The source has demonstrated a full year of compliance without an exceedance.
  - (2) The Permittee continues to comply with all relevant record keeping and monitoring requirements specified in Subpart A of 40 CFR Part 63 (General Provisions) and 40 CFR Part 63 Subpart T.
  - (3) The Commissioner does not object to a reduced frequency of reporting for the solvent cleaning machine (degreaser).
- ii. The permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

#### **4. Freeboard Refrigeration Device**

##### *a. Limitation or Restriction*

The chilled air blanket of the temperature, measured at the center of the air blanket, shall not exceed 56°F. An exceedance occurs if this operating requirement is not maintained and not corrected within fifteen (15) days. [Permit 189-0217 and 189-0241, 40 CFR §63.463 (e)(2)(i)]

##### *b. Monitoring and Testing Requirements*

The Permittee shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode in accordance with 40 CFR 63.466(a)(1). [Permit 189-0217 and 189-0241, 40 CFR §63.466(a)(1)]

##### *c. Record Keeping Requirements*

- i. The Permittee shall maintain records sufficient to determine compliance with the limitation or restriction in Section III.G.4.a of this Title V permit. [RCSA §22a-174-33(j)(1)(K)]
- ii. The Permittee shall take actions to demonstrate compliance with the air blanket temperature monitoring requirements in Section III.G.4.b of this Title V permit. This shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that the chilled air blanket temperature have returned to accepted levels. [P 189-0217, P 189-0241; 40 CFR §63.467(b)(1), 40 CFR §63.467(b)(2)]

### Section III: Applicable Requirements and Compliance Demonstration

#### d. Reporting Requirements

- i. The Permittee shall report all exceedances of an allowable limit and all corrections or adjustments made to avoid an exceedance. The Permittee shall submit an exceedance report to the Commissioner semi-annually. Once an exceedance has occurred, the Permittee shall follow a quarterly reporting format until a request to reduce reporting frequency is approved. Exceedance reports shall be submitted by the 30th day following the end of each calendar half or quarter, as appropriate. [Permit 189-0217 and 189-0241, 40 CFR §63.468 (h)]
- ii. The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

#### 5. Reduced Room Draft

##### a. Limitation or Restriction

- i. The flow or movement of air across the top of the freeboard area of the solvent cleaning machine (degreaser) or within the solvent cleaning machine (degreaser) enclosure shall not exceed 50 ft/min at any time in accordance with 40 CFR §63.463(e)(2)(ii)(A). An exceedance occurs if the operating requirement is not maintained and not corrected within (15) days. [P 189-0217, P 189-0241; 40 CFR §63.463(e)(2)(ii)(A)]
- ii. The Permittee shall establish and maintain the operating conditions under which the wind speed was demonstrated to be 50 ft/min or less. An exceedance occurs if the operating requirement is not maintained. [P 189-0217, P 189-0241; 40 CFR §63.463(e)(2)(ii)(B)]

##### b. Monitoring and Testing Requirements

- i. If the reduced room draft is maintained by controlling room parameters (i.e., redirecting fans, closing doors and windows, etc.), the Permittee shall conduct an initial monitoring test of the wind speed and of room parameters, quarterly monitoring of wind speed and weekly monitoring of room parameters as specified below: [Permit 189-0217 and 189-0241, 40 CFR §63.466(d)(1)]
  - (A) Measure the wind speed within six inches above the top of the freeboard area of the solvent cleaning machine using the following procedure:
    - (1) Determine the direction of the wind current by slowly rotating a velometer until the maximum speed is located;
    - (2) Orient the velometer in the direction of the wind current at each of the four corners of the machine;
    - (3) Record the reading for each corner;
    - (4) Average the values obtained at each corner and record the average wind speed.
  - (B) Monitor on a weekly basis the room parameters established during the initial compliance test that are used to achieve the reduced room draft.

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

- ii. If an enclosure (full or partial) is used to achieve the reduced room draft, the Permittee shall conduct an initial monitoring test and, thereafter, monthly monitoring tests of the wind speed within the enclosure and monthly visual inspection of the enclosure to determine if it is free of cracks, holes, and other defects. The direction of the wind current within the enclosure shall be determined by slowly rotating a velometer inside the entrance to the enclosure until the maximum speed is located. [Permit 189-0217 and 189-0241, 40 CFR §63.466(d)(2)]

#### *c. Record Keeping Requirements*

- i. The Permittee shall on an initial basis and then subsequently on a quarterly basis record the wind speed (including the maximum wind speed) and room parameters established as a result of the monitoring required in Section III.G.5.b of this Title V permit. [P 189-0217, P 189-0241; 40 CFR §63.466(d)(2); RCSA §22a-174-33(j)(1)(K)]
- ii. The Permittee shall document any changes to the room parameters established during the initial compliance test, as they occur. [RCSA §22a-174-33(o)(2)]
- iii. The Permittee shall take actions to demonstrate compliance with the reduced room draft monitoring requirements in Section III.G.5.b of this Title V permit. This documentation shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that the reduced room draft have returned to accepted levels. [P 189-0217, P 189-0241, 40 CFR 63.467(b)(1), 40 CFR §63.467(b)(2)]
- iv. The permittee shall maintain records sufficient to determine compliance with the limitations or restrictions in Section III.G.5.a of this Title V permit. [RCSA §22a-174-33(j)(1)(K)]

#### *d. Reporting Requirements*

- i. The Permittee shall report all exceedances of an allowable limit and all corrections or adjustments made to avoid an exceedance. The Permittee shall submit an exceedance report to the commissioner semi-annually. Once the exceedance has occurred, the Permittee shall follow a quarterly reporting format until a request to reduce reporting frequency is approved. Exceedance reports shall be submitted by the 30<sup>th</sup> day following the end of each calendar half or quarter, as appropriate. [Permit 189-0217 and 189-0241; 40 CFR §63.468(h)]
- ii. The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

## **6. Superheated Vapor**

### *a. Limitation or Restriction*

The solvent vapor temperature at the center of the superheated vapor zone shall be 197°F or greater. An exceedance occurs if the operating requirement is not maintained and not corrected within fifteen (15) days. [Permit 189-0217 and 189-0241, 40 CFR §63.463(e)(2)(vi)(A)]

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

#### *b. Monitoring and Testing Requirements*

- i. The Permittee shall use a thermometer or thermocouple to measure the temperature at the center of the superheated solvent vapor zone while the solvent cleaning machine is in the idling mode.  
[Permit 189-0217 and 189-0241, 40 CFR §63.466(a)(2)]
- ii. The Permittee shall, in accordance with manufacturer's specifications, determine the proper minimum dwell time within the superheated vapor system and ensure that parts remain within the superheated vapor for at least the minimum dwell time.  
[Permit 189-0217 and 189-0241, 40 CFR §63.463(e)(2)(vi)(B), 40 CFR §63.463(e)(2)(vi)(C)]

#### *c. Record Keeping Requirements*

- i. The Permittee shall maintain records sufficient to demonstrate compliance with the limitation or restriction in Section III.G.6.a of this Title V permit. [RCSA §22a-174-33(j)(1)(K)]
- ii. The Permittee shall take actions to demonstrate compliance with the superheated vapor monitoring requirements in Section III.G.6.b of this Title V permit. This documentation shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that the reduced room draft have returned to accepted levels.  
[P 189-0217, P 189-0241, 40 CFR §63.467(b)(1), 40 CFR §63.467(b)(2)]

#### *d. Reporting Requirements*

- i. The Permittee shall report all exceedances, the reason for the exceedance and all corrections and adjustments made to avoid an exceedance. The Permittee shall submit an exceedance report to the commissioner semi-annually. Once an exceedance has occurred, the Permittee shall follow a quarterly reporting format until a request to reduce reporting frequency is approved. Exceedance reports shall be submitted by the 30<sup>th</sup> day following the end of each calendar half or quarter, as appropriate.  
[Permit 189-0217 and 189-0241, 40 CFR §63.468(h)]
- ii. The Permittee shall submit additional information in writing, at the commissioner's request, within 30 days of receipt of notice from the commissioner or by such other date specified by the commissioner, whichever is earlier. [RCSA §22a-174-33(j)(1)(X)]

### **7. Squeegee System**

#### *a. Limitation or Restriction*

The squeegees shall be replaced at the time of or before the maximum product throughput is attained.  
[Permit 189-0217 and 189-0241, 40 CFR §63.463(e)(2)(ix)(D)]

#### *b. Monitoring and Testing Requirements*

- i. The Permittee shall, on a weekly basis, visually inspect the continuous web part exiting the solvent cleaning machine to ensure that no solvent film is visible on the part.  
[Permit 189-0217 and 189-0241, 40 CFR §63.466(a)(3)]
- ii. The Permittee shall determine the maximum product throughput as follows:
  - (A) Conduct daily monitoring of the continuous web part exiting the squeegee system until a visible solvent film is noted on the continuous web part.  
[Permit 189-0217 and 189-0241, 40 CFR 63.465(f)(1), 40 CFR §63.465(f)(2)]

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

- (B) Determine the length of continuous web product that has been cleaned using the squeegee system, from the time of replacement of the squeegee until the first visible solvent film is noted on the continuous web part. [Permit 189-0217 and 189-0241, 40 CFR §63.465(f)(3)]
- (C) The maximum product throughput shall be the time it takes to clean 95% of the length of product determined in Section III.G.7.b.ii.B. of this permit.  
[Permit 189-0217 and 189-0241, 40 CFR §63.465(f)(4)]
- iii. The Permittee shall re-determine the maximum product throughput for the squeegees if any solvent film is visible on the continuous web part immediately after it exists the cleaning machine.  
[Permit 189-0217 and 189-0241, 40 CFR §63.463(e)(2)(ix)(E)]
- c. *Record Keeping Requirements*
  - i. The Permittee shall maintain documentation of the tests used and results obtained in determining the maximum product throughput.  
[Permit 189-0217 and 189-0241, 40 CFR §63.467(a)(6)]
  - ii. The Permittee shall maintain documentation of all visual inspections conducted on the web part.  
[Permit 189-0217 and 189-0241, 40 CFR §63.467(a)(6)]
  - iii. The Permittee shall take actions to demonstrate compliance with the squeegee system monitoring requirements in Section II.F.7.b of this Title V permit. This documentation shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that the squeegee system is operating as required. [Permit 189-0217 and 189-0241, 40 CFR §63.467(b)(2)]
  - iv. The Permittee shall maintain documentation of the length of continuous web part cleaned each week. This documentation shall be maintained for the lifetime of the machines.  
[Permit 189-0217 and 189-0241, 40 CFR §63.467(a)(6)]
- c. *Reporting Requirements*
  - i. The Permittee shall report all exceedances, the reason for an exceedance of an allowable limit and all corrections or adjustments made to avoid an exceedance. The Permittee shall submit an exceedance report to the commissioner semi-annually. Once an exceedance has occurred, the Permittee shall follow a quarterly reporting format until a request to reduce reporting frequency is approved. Exceedance reports shall be submitted by the 30<sup>th</sup> day following the end of each calendar half or quarter, as appropriate. [Permit 189-0217 and 189-0241, 40 CFR §63.468(h)]
  - ii. The Permittee shall submit additional information in writing, at the commissioner's request 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)]

## **H. GROUPED EMISSION UNIT 3 (GEU-3) – Three Slitters EU-81, EU-82, & EU-83**

### **1. VOC**

#### *a. Limitation or Restriction*

Emissions from each slitler shall not exceed 8 lb/hr or 40 lb/day. [RCSA §22a-174-20(f)(2)]

#### *b. Monitoring Requirements*

### Section III: Applicable Requirements and Compliance Demonstration

- i. The Permittee shall monitor the weight and type of all organic containing materials used with each unit each month. [RCSA §22a-174-33(j)(1)(K)]
  - ii. The Permittee shall monitor the hours that each unit is operating and using organic materials. [RCSA §22a-174-33(j)(1)(K)]
  - iii. Record keeping specified in Section III.H.1.c of this Title V permit shall be sufficient to meet other Monitoring and Testing Requirements pursuant to RCSA §22a-174-33. [RCSA §22a-174-33(j)(1)(K)(ii)]
- c. *Record Keeping Requirements*
- i. The Permittee shall maintain documentation of all organic containing materials, including material type and weight, used with each unit. [RCSA §22a-174-33(j)(1)(K)(ii)]
  - ii. The Permittee shall maintain documentation of the hours each unit is in operation. [RCSA §22a-174-33(j)(1)(K)(ii)]
  - iii. Calculations of the emissions of organic materials from each unit shall be made for each hour and each day, provided that any day where the total daily emissions from the unit are less than the applicable hourly emission limit then no hourly calculations are required for such day. Documentation in support of any assumptions or data used in these calculations shall also be maintained. [RCSA §22a-174-33(j)(1)(K)(ii)]
  - iv. The Permittee shall maintain records sufficient to determine compliance with the with limitation or restriction in Section III.H.1.a of this Title V permit.

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)]

#### I. PREMISES-WIDE GENERAL REQUIREMENTS

1. **Annual Emission Statements:** The Permittee shall submit annual emission statements requested by the commissioner as set forth in RCSA §22a-174-4a(b)(1).
2. **Emission Testing:** The Permittee shall comply with the procedures for sampling, emission testing, sample analysis, and reporting as set forth in RCSA §22a-174-5.
3. **Emergency Episode Procedures:** The Permittee shall comply with the procedures for emergency episodes as set forth in RCSA §22a-174-6.
4. **Reporting of Malfunctioning Control Equipment:** The Permittee shall comply with the reporting requirements of malfunctioning control equipment as set forth in RCSA §22a-174-7.
5. **Prohibition of Air Pollution:** The Permittee shall comply with the requirement to prevent air pollution as set forth in RCSA §22a-174-9.

### Section III: Applicable Requirements and Compliance Demonstration

6. **Public Availability of Information:** The public availability of information shall apply, as set forth in RCSA §22a-174-10.
7. **Prohibition Against Concealment/Circumvention:** The Permittee shall comply with the prohibition against concealment or circumvention as set forth in RCSA §22a-174-11.
8. **Violations and Enforcement:** The Permittee shall not violate or cause the violation of any applicable regulation as set forth in RCSA §22a-174-12.
9. **Variances:** The Permittee may apply to the commissioner for a variance from one or more of the provisions of these regulations as set forth in RCSA §22a-174-13.
10. **No Defense to Nuisance Claim:** The Permittee shall comply with the regulations as set forth in RCSA §22a-174-14.
11. **Severability:** The Permittee shall comply with the severability requirements as set forth in RCSA §22a-174-15.
12. **Responsibility to Comply:** The Permittee shall be responsible to comply with the applicable regulations as set forth in RCSA §22a-174-16.
13. **Particulate Emissions:** The Permittee shall comply with the standards for control of particulate matter and visible emissions as set forth in RCSA §22a-174-18.
14. **Fuel Sulfur Content:** The Permittee shall not use No. 2 heating oil that exceeds fifteen parts per million of sulfur by weight as set forth in CGS §16a-21a(a)(2)(B)
15. **Sulfur Compound Emissions:** The Permittee shall comply with the requirements for control of sulfur compound emissions as set forth in RCSA §22a-174-19, 22a-174-19a and RCSA §22a-174-19b, as applicable.
16. **Organic Compound Emissions:** The Permittee shall comply with the requirements for control of organic compound emissions as set forth in RCSA §22a-174-20.
17. **Nitrogen Oxide Emissions:** The Permittee shall comply with the requirements for control of nitrogen oxide emissions as set forth in RCSA §22a-174-22e and §22a-174-22f.
18. **Ambient Air Quality:** The Permittee shall not cause or contribute to a violation of an ambient air quality standard as set forth in RCSA §22a-174-24(b).
19. **Open Burning:** The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).
20. **Asbestos:** Should the premises, as defined in 40 CFR §61.145, become subject to the national emission standard for asbestos regulations in 40 CFR Part 61 Subpart M when conducting any renovation or demolition at this premises, then the Permittee shall submit proper notification as described in 40 CFR §61.145(b) and shall comply with all other applicable requirements of 40 CFR Part 61 Subpart M.
21. **Emission Fees:** The Permittee shall pay an emission fee as set forth in RCSA §22a-174-26(d).

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

**22. Remediation Material (Trichloroethylene):** The Permittee must prepare and maintain at the facility, written documentation to support the following determination:

- the total HAP quantity in remediation materials excavated, extracted, pumped or otherwise removed during all of the site remediation activities conducted at the facility, is less than 1 Mg annually.

The documentation must include a description of the methodology and data used for determining the total HAP content of the remediation material. 40 CFR 63.7881(c)(2)

## 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> |
| <b>EU-53 and EU-64</b>               | <b>RCSA §22a-174-2a(e)</b>    | <b>Ametek shall complete minor modifications to Permit Nos 189-0248 and 189-0249, in accordance with RCSA §22a-174-2a(e), to incorporate required changes to the operating requirements for the Twin Shell Blender and Strip Belt Grinder, respectively.</b> | <b>Not more than 90 days after issuance of this Title V permit.</b>  | <b>n/a</b>                                                 |
| <b>EU-53 and EU-64</b>               | <b>RCSA §22a-174-2a(e)</b>    | <b>Ametek shall submit a minor modification to Permit No 189-0206-TV, in accordance with RCSA §22a-174-2a(e), to incorporate the requirements of the modified permits, Nos 189-0248 and 189-0249.</b>                                                        | <b>Not more than 120 days after issuance of this Title V permit.</b> | <b>n/a</b>                                                 |

## Section V: State Enforceable Terms and Conditions

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

### State Enforceable Terms and Conditions

- A.** This Title V permit does not relieve the Permittee of the responsibility to conduct, maintain and operate the emissions units in compliance with all applicable requirements of any other Bureau of the Department of Energy and Environmental Protection or any federal, local or other state agency. Nothing in this Title V permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- B.** Nothing in this Title V permit shall affect the commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, investigate air pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the Permittee by the commissioner.
- C. Additional Emissions Units**
- 1.** The Permittee shall make and submit a written record, at the commissioner's request, within 30 days of receipt of notice from the commissioner, or by such other date specified by the commissioner, of each additional emissions unit or group of similar or identical emissions units at the premises.
- 2.** Such record of additional emissions units shall include each emissions unit, or group of emissions units, at the premises which is not listed in Section II.A of this Title V permit, unless the emissions unit, or group of emissions units, is:
- 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.

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

- E.** Noise: The Permittee shall operate in compliance with the regulations for the control of noise as set forth in RCSA §§22a-69-1 through 22a-69-7.4, inclusive.
- F.** Hazardous Air Pollutants (HAPs): The Permittee shall operate in compliance with the regulations for the control of HAPs as set forth in RCSA §22a-174-29.

## Section VI: Title V Requirements

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

### Title V Requirements

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

### **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.

## Section VI: Title V Requirements

### **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.

### **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.

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

### **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.

### **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.

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

### **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).

### **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