



Connecticut Department of
**ENERGY &
ENVIRONMENTAL
PROTECTION**

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

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

Title V Permit Number	168-0040-TV
Client/Sequence/Town/Premises Numbers	4470/001/168/110
Date Issued	February 9, 2022
Expiration Date	February 9, 2027

Corporation:

Supreme Lake Manufacturing, Inc.

Premises Location:

455 Atwater Street, Plantsville, Connecticut 06479

Name of Responsible Official and Title:

Kevin Dobrindt, Vice President

All the following attached pages, 2 through 26, are hereby incorporated by reference into this Title V permit.



Katherine S. Dykes
Commissioner

February 9, 2022

Date

for

TABLE OF CONTENTS

	PAGE
List of Abbreviations/Acronyms	4
Section I. Premises Information/Description	
A. Premises Information.....	5
B. Premises Description.	5
Section II. Emissions Units Information	
A. Emissions Units Description - Table II.A.....	6
B. Operating Scenario Identification - Table II.B	6
Section III. Applicable Requirements and Compliance Demonstration	
A. Emissions Unit 1	7
B. Premises-Wide General Requirements	16
Section IV. Compliance Schedule - Table IV	17
Section V. State Enforceable Terms and Conditions	18
Section VI. Title V Requirements	
A. Submittals to the Commissioner & Administrator.....	20
B. Certifications [RCSA §22a-174-33(b)].....	20
C. Signatory Responsibility [RCSA §22a-174-2a(a)]	20
D. Additional Information [RCSA §§22a-174-33(j)(1)(X), -33(h)(2)].....	21
E. Monitoring Reports [RCSA §22a-174-33(o)(1)]	21
F. Premises Records [RCSA §22a-174-33(o)(2)]	22
G. Progress Reports [RCSA §22a-174-33(q)(1)].....	22
H. Compliance Certifications [RCSA §22a-174-33(q)(2)].....	23
I. Permit Deviation Notifications [RCSA §22a-174-33(p)]	23
J. Permit Renewal [RCSA §22a-174-33(j)(1)(B)].....	23
K. Operate in Compliance [RCSA §22a-174-33(j)(1)(C)]	23
L. Compliance with Permit [RCSA §22a-174-33(j)(1)(G)]	23
M. Inspection to Determine Compliance [RCSA §22a-174-33(j)(1)(M)].....	24
N. Permit Availability.....	24
O. Severability Clause [RCSA §22a-174-33(j)(1)(R)]	24
P. Need to Halt or Reduce Activity [RCSA §22a-174-33(j)(1)(T)].....	24
Q. Permit Requirements [RCSA §22a-174-33(j)(1)(V)]	24
R. Property Rights [RCSA §22a-174-33(j)(1)(W)]	24
S. Alternative Operating Scenario Records [RCSA §22a-174-33(o)(3)].....	24
T. Operational Flexibility and Off-Permit Changes [RCSA §22a-174-33(r)(2)]	25
U. Information for Notification [RCSA §22a-174-33(r)(2)(A)]	25
V. Transfers [RCSA §22a-174-2a(g)]	25
W. Revocation [RCSA §22a-174-2a(h)]	25
X. Reopening for Cause [RCSA §22a-174-33(s)]	26
Y. Credible Evidence.....	26

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
Btu	British Thermal Unit
CFR	Code of Federal Regulations
CGS	Connecticut General Statutes
EU	Emissions Unit
EPA	Environmental Protection Agency
ft	Feet
HAP	Hazardous Air Pollutant
hr	Hour
kg	Kilogram
lb	Pound
m	Meter
MACT	Maximum Achievable Control Technology
min	Minute
NSR	New Source Review
PTE	Potential to Emit
RCSA	Regulations of Connecticut State Agencies
SIC	Standard Industrial Classification Code
SOS	Standard Operating Scenario
tpy	Tons per year
yr	Year

Section I: Premises Information/Description

A. PREMISES INFORMATION

Nature of Business: Manufacture of screw machine products and ball valve components
Primary SIC: 3451
Other SIC: none

Facility Mailing Address: 455 Atwater Street, Plantsville, CT 06479
Telephone Number: (860) 621-8911

B. PREMISES DESCRIPTION

Supreme Lake Manufacturing, Inc. manufactures screw machine products and ball valve components. Primary air emissions are from one vapor degreaser using solvent containing methylene chloride (dichloromethane). Other emission sources consist of welding, grinding, and buffing. The vapor degreaser is subject to a federal MACT, 40 CFR Part 63 Subpart T—Halogenated Solvent Cleaning.

There are also five 250,000 Btu/hr natural gas fired space heaters at the premises. Propane and acetylene are used in small quantities for tow motor and a welding operation, respectively. These are considered as insignificant sources and are subject to the premises-wide general applicable requirements. No emissions units numbers are assigned to these insignificant sources.

Supreme Lake Manufacturing, Inc. is subject to Title V operating permit because the potential emission rate of an individual HAP, i.e. methylene chloride, is greater than 10 tpy.

Section II: Emissions Units Information

A. EMISSIONS UNITS DESCRIPTION

The emissions unit is set forth in Table II.A. It is not intended to incorporate by reference the NSR Permit or Regulations into this Title V permit.

TABLE II.A: EMISSIONS UNITS DESCRIPTION			
Emissions Unit	Emissions Unit Description	Control Unit Description	Permit, Order, Registration, or Regulation Number
EU-2	Ultra Kool Open Top Batch Vapor Degreaser Model #108-24-33 Construction Date: 1999 Maximum Throughput (lb/yr): 29,900 Solvent: Methylene Chloride	Freeboard Refrigeration Device Freeboard Ratio of 1.0 Superheated Vapor	Permit No. 168-0047 40 CFR Part 63 Subpart T

B. OPERATING SCENARIO IDENTIFICATION

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

TABLE II.B: OPERATING SCENARIO IDENTIFICATION		
Identification of Operating Scenario	Emissions Units Associated with the Scenario	Description of Scenario
SOS	EU-2	Batch vapor degreaser using methylene chloride as the cleaning solvent

Section III: Applicable Requirements and Compliance Demonstration

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

A. EMISSIONS UNIT 2 (EU-2) Ultra Kool Batch Vapor Degreaser, Model #108-24-33

1. Net Solvent Consumption

a. Limitation or Restriction

- i. The Permittee shall only use methylene chloride (dichloromethane) solvent.
[Permit No. 168-0047]
- ii. The Permittee shall limit the total solvent net consumption to 29,900 lb/yr or less, excluding the amount of solvent manifested as hazardous waste. The net consumption is the amount of solvent added to the degreaser minus the amount of solvent manifested as hazardous waste.
[Permit No. 168-0047]

b. Monitoring Requirements

The Permittee shall monitor the total solvent net consumption as specified in Section III.A.1.c of this Title V permit. [RCSA §22a-174-33(j)(1)(K)(ii)]

c. Record Keeping Requirements

The Permittee shall make and maintain records of the monthly and consecutive 12 month solvent consumption, solvents removed and solvents emitted. The consecutive 12 month solvent consumption, solvents removed and solvents emitted shall be determined by adding each month's solvent consumption, solvents removed and solvents emitted to that of the previous 11 months. The Permittee shall make these calculations on a monthly basis. [Permit No. 168-0047]

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. Methylene Chloride Emissions

a. Limitation or Restriction

- i. The Permittee shall limit the methylene chloride emission rate to:

(A) 15.2 lb/hr (8-hr average)

(B) 14.95 tpy [Permit No. 168-0047]
- ii. The Permittee shall ensure that EU-2 conforms to the following requirements:

(A) Control air disturbances across the cleaning machine openings by placing an idling and downtime mode cover, that may be readily opened or closed, that completely covers the cleaning machine

Section III: Applicable Requirements and Compliance Demonstration

openings when in place, and is free of cracks, holes, and other defects.

[40 CFR §63.463(a)(1)(i)]

- (B) A freeboard ratio of 0.75 or greater by complying with a freeboard ratio of 1.0 as specified in Permit No. 168-0047. [40 CFR §63.463(a)(2); Permit No. 168-0047]
- (C) An automated parts handling system capable of moving parts or parts baskets at a speed of 3.4 meters per minute (11 ft/min) or less from the initial loading of parts through removal of cleaned parts. [40 CFR §63.463(a)(3)]
- (D) A vapor level control device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils or if the vapor level in the vapor cleaning machine rises above the height of the primary condenser. [40 CFR §63.463(a)(4); 40 CFR §63.463(a)(5)]
- (E) A primary condenser. [40 CFR §63.463(a)(6)]
- (F) Employ a control combination consisting of freeboard refrigeration device, freeboard ratio of 1.0, and superheated vapor. [40 CFR §63.463(b)(2)(i); Permit No. 168-0047]

b. Monitoring Requirements

The Permittee shall comply with the following requirements [Permit No. 168-0047]:

- i. Conduct monitoring of each control device, particularly, working-mode cover, freeboard refrigeration device, freeboard ratio of 1.0, and superheated vapor, used to comply with the batch vapor and in-line cleaning machine standards. [40 CFR §63.463(e)(1)]
- ii. During each monitoring period, the Permittee shall ensure that the chilled air blanket temperature (in °F or °C) of a freeboard refrigeration device, measured at the center of the air blanket, is no greater than 30 percent of the solvent's boiling point. The Permittee shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode. [40 CFR §63.463(e)(2)(i); 40 CFR §63.466(a)(1)]
- iii. The Permittee shall comply with the following requirements when using a superheated vapor system:
 - (A) Ensure that the temperature of the solvent vapor at the center of the superheated vapor zone is at least 10 °F above the solvent's boiling point. [40 CFR §63.463(e)(2)(vi)(A)]
 - (B) Ensure that the manufacturer's specifications for determining the minimum proper dwell time within the superheated vapor system is followed. [40 CFR §63.463(e)(2)(vi)(B)]
 - (C) Ensure that parts remain within the superheated vapor for at least the minimum proper dwell time. [40 CFR §63.463(e)(2)(vi)(C)]
 - (D) Utilize 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. [40 CFR §63.466(a)(2)]
- iv. If a chilled air blanket temperature exceedance has occurred or the requirements of Sections III.A.2.b.i.-iii of this Title V permit are not met and corrected within 15 days of detection, adjustments or repairs shall be made to the solvent cleaning system or control device to reestablish required levels. The Permittee shall remeasure the temperature and the parameter levels immediately

Section III: Applicable Requirements and Compliance Demonstration

upon adjustment or repair to demonstrate the levels are within the limit required by this Title V permit. [40 CFR §§63.463(e)(3)(i) and (ii)]

- v. The Permittee shall determine the potential to emit from all solvent cleaning operations on the premises. The total potential to emit is the sum of the HAP emissions from all solvent cleaning operations plus all HAP emission from other sources within the premises. [40 CFR §63.465(e)]

(A) Determine the potential to emit for each individual solvent cleaning using the following equation:

$$PTE_i = H_i \times W_i \times SAI_i$$

Where: PTE = the potential to emit for solvent cleaning machine i (kg of solvent per yr)

H_i = hours of operation for solvent cleaning machine i (hr per yr)

W_i = the working mode uncontrolled emission rate (kg per m² per hr)

SAI_i = solvent/air interface area of solvent cleaning machine i (m²); solvent/air interface area is the surface area of the solvent vapor zone exposed to the air.

[40 CFR §63.465(e)(1)]

(B) Cleaning machines that do not have a solvent/air interface shall calculate a solvent/air interface area using the following equation:

$$SAI = 2.20 \times (Vol)^{0.6}$$

Where: SAI = the solvent/air interface area (m²)

Vol = the cleaning capacity of the solvent cleaning machine (m³)

[40 CFR §63.465(e)(2)]

(C) Sum the PTE_i for all solvent cleaning operations to obtain the total potential to emit for solvent cleaning operations at the premises. [40 CFR §63.465(e)(3)]

- vi. The Permittee shall monitor the hoist speed as described below:

(A) Determine the hoist speed by measuring the time it takes for the hoist to travel a measured distance. The speed is equal to the distance in meters divided by the time in minutes (meters per minute). [40 CFR §63.466(c)(1)]

(B) Conduct monthly monitoring and if after the first year, no exceedances of the hoist speed are measured, the Permittee may begin monitoring the hoist speed quarterly. [40 CFR 63.466(c)(2)]

(C) If an exceedance of the hoist speed occurs during quarterly monitoring, the monitoring frequency returns to monthly until another year of compliance without an exceedance is demonstrated. [40 CFR 63.466(c)(3)]

(D) If the Permittee demonstrates to the Administrator's or commissioner's satisfaction in the initial compliance report that the hoist cannot exceed a speed of 3.4 meters per minute (11 ft/min), the required monitoring frequency is quarterly, including during the first year of compliance. [40 CFR §63.466(c)(4)]

Section III: Applicable Requirements and Compliance Demonstration

- vii. The Permittee may use alternative monitoring procedures approved by the Administrator or the commissioner. [40 CFR §63.466(g)]
- viii. The Permittee shall comply with the General Provisions of 40 CFR Part 63 Subpart A applicable to Subpart T. [40 CFR Part 63 Subpart T, Appendix B]

c. Record Keeping Requirements

- i. The Permittee shall make and maintain the following records in written or electronic form for the lifetime of the solvent cleaning machine [40 CFR §63.467(a); Permit No. 168-0047]:
 - (A) Owner's manuals, or if not available, written maintenance and operating procedures, for the solvent cleaning machine and control equipment. [40 CFR §63.467(a)(1)]
 - (B) The date of installation for the solvent cleaning machine and all of its control devices. If the exact date for installation is not known, a letter certifying that the cleaning machine and its control devices were installed prior to, or on, November 29, 1993, or after November 29, 1993, may be substituted. [40 CFR §63.467(a)(2)]
 - (C) Records of the halogenated HAP solvent content and estimates of annual solvent consumption for each solvent used in a solvent cleaning machine. [40 CFR §63.467(a)(5); 40 CFR §63.467(b)(3)]
- ii. The Permittee shall make and maintain records of the results of control device monitoring required in Section III.A.2.b of this Title V permit. [40 CFR §63.467(b)(1); Permit No. 168-0047]
- iii. The Permittee shall make and maintain records of the information on the actions taken to comply with Section III.A.2.b of this Title V permit. This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels. [40 CFR §63.467(b)(2)]

d. Reporting Requirements [Permit No. 168-0047]

- i. The Permittee shall submit 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 hereunder: [40 CFR §63.468(f)]
 - (A) A signed statement from the facility owner or his designee stating that, "All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required in §63.463(d)(10)." [40 CFR §63.468(f)(1)]
 - (B) An estimate of solvent consumption for each solvent cleaning machine during the reporting period. [40 CFR §63.468(f)(2)]
- ii. The Permittee shall submit an exceedance report to the Administrator semiannually except when, the Administrator 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 reporting frequency under this section is approved. Exceedance reports shall be delivered or postmarked by the

Section III: Applicable Requirements and Compliance Demonstration

30th day following the end of each calendar half or quarter, as appropriate. The exceedance report shall include the following applicable information: [40 CFR §63.468(h)]

- (A) Information on the actions taken to comply with Section III.A.2.b of this Title V permit. This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels. [40 CFR §63.468(h)(1)]
 - (B) If an exceedance has occurred, the reason for the exceedance and a description of the actions taken. [40 CFR §63.468(h)(2)]
 - (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. [40 CFR §63.468(h)(3)]
- iii. The Permittee may reduce quarterly exceedance reporting to a semiannual basis if the following conditions are met:
- (A) The Permittee has demonstrated a full year of compliance without an exceedance. [40 CFR §63.468(i)(1)]
 - (B) The Permittee continues to comply with all relevant recordkeeping and monitoring requirements specified in 40 CFR Part 63 Subpart A and 40 CFR Part 63 Subpart T. [40 CFR §63.468(i)(2)]
 - (C) The Administrator and the commissioner do not object to a reduced frequency of reporting for the affected source as provided in paragraph (e)(3)(iii) of 40 CFR Part 63 Subpart A. [40 CFR §63.468(i)(3)]

e. Work Practice Standards

The Permittee shall meet all of the following required work and operational practices specified below: [40 CFR §63.463(d)]

- i. Control air disturbances across the solvent cleaning machine opening by incorporating one of the two control equipment or techniques:
 - (A) A cover shall be in place during the idling mode and during downtime mode unless either the solvent has been removed from the solvent cleaning machine or maintenance or monitoring is being performed which requires the cover to not be in place. [40 CFR §63.463(d)(1)(i)]
 - (B) A reduced room draft that complies with the following requirements: [40 CFR §63.463(d)(1)(ii)]
 - (1) Ensure that the flow of air across the top of the freeboard area or within the solvent cleaning machine enclosure does not exceed 15.2 meters per minute (50 ft/min) at any time. [40 CFR §63.463(e)(2)(ii)(A)]
 - (2) Establish and maintain the operating conditions under which the wind speed shall not exceed 15.2 meters per minute (50 ft/min). [40 CFR §63.463(e)(2)(ii)(B)]
- ii. The parts baskets or the parts being cleaned in a vapor cleaning machine shall not occupy more than

Section III: Applicable Requirements and Compliance Demonstration

50 percent of the solvent/air interface area unless the parts baskets or parts are introduced at a speed of 0.9 meters per minute (3 ft/min) or less. [40 CFR §63.463(d)(2)]

- iii. Any spraying operations shall be done within the vapor zone or within a section of the solvent cleaning machine that is not directly exposed to the ambient air (i.e., a baffled or enclosed area of the solvent cleaning machine). [40 CFR §63.463(d)(3)]
- iv. Parts shall be oriented so that the solvent drains from them freely. Parts having cavities or blind holes shall be tipped or rotated before being removed from any solvent cleaning machine unless an equally effective approach has been approved by the Administrator. [40 CFR §63.463(d)(4)]
- v. Parts baskets or parts shall not be removed from any solvent cleaning machine until dripping has stopped. [40 CFR §63.463(d)(5)]
- vi. During startup of each vapor cleaning machine, the primary condenser shall be turned on before the sump heater. [40 CFR §63.463(d)(6)]
- vii. During shutdown of each vapor cleaning machine, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off. [40 CFR §63.463(d)(7)]
- viii. When solvent is added or drained from any solvent cleaning machine, the solvent shall be transferred using threaded or other leakproof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface. [40 CFR §63.463(d)(8)]
- ix. The solvent cleaning machine and associated controls shall be maintained as recommended by the manufacturers of the equipment or using alternative maintenance practices that have been demonstrated to the Administrator's satisfaction to achieve the same or better results as those recommended by the manufacturer. [40 CFR §63.463(d)(9)]
- x. Each operator of the solvent cleaning machine shall complete and pass the applicable sections of the test of solvent cleaning procedures in Appendix A of 40 CFR Part 63 Subpart T if requested during an inspection by the Administrator. [40 CFR §63.463(d)(10)]
- xi. Waste solvent, still bottoms, and sump bottoms shall be collected and stored in closed containers. The closed containers may contain a device that would allow pressure relief, but would not allow liquid solvent to drain from the container. [40 CFR §63.463(d)(11)]
- xii. Sponges, fabric, wood, and paper products shall not be cleaned. [40 CFR §63.463(d)(12)]

3. Facility-Wide Standards

a. Limitation or Restriction

The Permittee shall ensure that the total emissions of methylene chloride used are equal to or less than the applicable facility-wide 12-month rolling total emission limit of 60,000 kilograms.
[40 CFR §63.471(b)(2), Table 1]

b. Monitoring Requirements

- i. The Permittee shall maintain a log of solvent containing methylene chloride additions and deletions for each solvent cleaning machine. [40 CFR §63.471(b)(1)]

Section III: Applicable Requirements and Compliance Demonstration

- ii. The Permittee shall on the first operating day of every month, demonstrate compliance with the applicable facility-wide emission limit on a 12-month rolling total basis using the following procedures: [40 CFR §63.471(c)]
- (A) Ensure that each solvent cleaning machine system contains only clean liquid solvent. Such clean liquid solvent includes, but is not limited to, fresh unused solvent, recycled solvent, and used solvent that has been cleaned of soiled materials. A fill line must be indicated during the first month the measurements are made. The solvent level within the machine must be returned to the same fill-line each month, immediately prior to calculating monthly emissions as specified below: [40 CFR §63.471(c)(1)]
- (1) The solvent cleaning machine does not have to be emptied and filled with fresh unused solvent prior to the calculations. [40 CFR §63.471(c)(1)]
- (2) Determine solvent emissions (E_{unit}) from each solvent cleaning machine using the following equation:
- $$E_{\text{unit}} = SA_i - LSR_i - SSR_i$$
- Where: E_{unit} = the total halogenated HAP solvent emissions from the solvent cleaning machine during the most recent month i , (kg of solvent per month)
- SA_i = the total amount of halogenated HAP liquid solvent added to the solvent cleaning machine during the most recent month i , (kg of solvent per month)
- LSR_i = the total amount of halogenated HAP liquid solvent removed from the solvent cleaning machine during the most recent month i , (kg of solvent per month)
- SSR_i = the total amount of halogenated HAP solvent removed from the solvent cleaning machine in solid waste, obtained as described in paragraph (c)(3) of this section, during the most recent month i , (kg of solvent per month) [40 CFR §63.471(c)(2)]
- (3) Determine SSR_i using one of the two specified methods:
- (a) From tests conducted using EPA reference method 25d. [40 CFR §63.471(c)(3)(i)]
- (b) By engineering calculations included in the compliance report. [40 CFR §63.471(c)(3)(ii)]
- (B) After 12 months of emissions data are available, the Permittee shall determine the 12-month rolling total emissions, ET_{unit} , for the 12-month period ending with the most recent month using the following equation:

$$ET_{\text{unit}} = \left[\sum_{j=1}^{12} E_{\text{unit}} \right]$$

Where: ET_{unit} = the total halogenated HAP solvent emissions over the preceding 12 months, (kg of solvent emissions per 12-month period)

E_{unit} = halogenated HAP solvent emissions for each month (j) for the most recent 12

Section III: Applicable Requirements and Compliance Demonstration

months (kg of solvent per month)
[40 CFR §63.471(c)(4)]

- (C) After 12 months of emissions data are available, the Permittee shall determine the 12-month rolling total emissions, ET_{facility} , for the 12-month period ending with the most recent month using following equation:

$$ET_{\text{facility}} = \left[\sum_{j=1}^i ET_{\text{unit}} \right]$$

Where: ET_{facility} = the total halogenated HAP solvent emissions over the preceding 12 months for all cleaning machines at the facility,
(kg of solvent emissions per 12-month period)

ET_{unit} = the total halogenated HAP solvent emissions over the preceding 12 months for each unit j , where i equals the total number of units at the facility
(kg of solvent emissions per 12-month period)
[40 CFR §63.471(c)(5)]

c. Record Keeping Requirements

The Permittee shall make and maintain the following records:

- i. The dates and amounts of solvent that are added to each solvent cleaning machine.
[40 CFR §63.471(e)(1)]
- ii. The solvent composition of wastes removed from each solvent cleaning machine as determined using one of the two procedures described in the following:
 - (A) From tests conducted using EPA reference method 25d.
 - (B) By engineering calculations included in the compliance report. [40 CFR §63.471(e)(2)]
- iii. Calculation sheets showing how monthly emissions and the 12-month rolling total emissions from each solvent cleaning machine were determined, and the results of all calculations.
[40 CFR §63.471(e)(3)]

d. Reporting Requirements

- i. If the applicable facility-wide emission limit presented in 40 CFR §63.471(b)(2) Table 1 is not met, an exceedance has occurred. All exceedances shall be reported as required and as indicated in Section III.A.2.d.ii of this Title V permit. [40 CFR §63.471(d)]
- ii. The Permittee shall submit a solvent report every year. This solvent emission report shall contain the following requirements: [40 CFR §63.471(h)]
 - (A) The average monthly solvent consumption for the affected facility in kilograms per month.
[40 CFR §63.471(h)(1)]
 - (B) The 12-month rolling total solvent emission estimates calculated each month using the method as

Section III: Applicable Requirements and Compliance Demonstration

described in Section III.A.3.b.ii of this Title V permit. [40 CFR §63.471(h)(2)]

(C) This report can be combined with the annual report required in Section III.A.2.d.i of this Title V permit into a single report for each facility. [40 CFR §63.471(h)(3)]

B. PREMISES-WIDE GENERAL REQUIREMENTS

1. **Annual Emission Statements:** The Permittee shall submit annual emission statements requested by the commissioner as set forth in RCSA §22a-174-4(d)(1).
2. **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.
6. **Public Availability of Information:** The public availability of information shall apply, as set forth in RCSA §22a-174-10.
7. **Prohibition Against Concealment/Circumvention:** The Permittee shall comply with the prohibition against concealment or circumvention as set forth in RCSA §22a-174-11.
8. **Violations and Enforcement:** The Permittee shall not violate or cause the violation of any applicable regulation as set forth in RCSA §22a-174-12.
9. **Variances:** The Permittee may apply to the commissioner for a variance from one or more of the provisions of these regulations as set forth in RCSA §22a-174-13.
10. **No Defense to Nuisance Claim:** The Permittee shall comply with the regulations as set forth in RCSA §22a-174-14.
11. **Severability:** The Permittee shall comply with the severability requirements as set forth in RCSA §22a-174-15.
12. **Responsibility to Comply:** The Permittee shall be responsible to comply with the applicable regulations as set forth in RCSA §22a-174-16.
13. **Particulate Emissions:** The Permittee shall comply with the standards for control of particulate matter and visible emissions as set forth in RCSA §22a-174-18. (Section 18 approved by EPA on 9-23-1982, current Regulation submitted to EPA on 12-1-2004.)
14. **Fuel Sulfur Content:** The Permittee shall not use No. 2 heating oil that exceeds fifteen parts per million of sulfur by weight as set forth in CGS §16a-21a(a)(2)(B).
15. **Sulfur Dioxide Emissions:** The Permittee shall comply with the requirements for Control of Sulfur Dioxide Emissions from Power Plants and other large stationary sources of air pollution as set forth in RCSA §22a-

Section III: Applicable Requirements and Compliance Demonstration

174-19a.

16. **Sulfur Compound Emissions:** The Permittee shall comply with the requirements for control of sulfur compound emissions as set forth in RCSA §§22a-174-19, 22a-174-19a and 22a-174-19b, as applicable
17. **Organic Compound Emissions:** The Permittee shall comply with the requirements for control of organic compound emissions as set forth in RCSA §22a-174-20.
18. **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.
19. **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).
20. **Open Burning:** The Permittee is prohibited from conducting open burning, except as may be allowed by CGS §22a-174(f).
21. **Asbestos:** Should the premises, as defined in 40 CFR §61.145, become subject to the national emissions 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.
22. **Emission Fees:** The Permittee shall pay an emission fee as set forth in RCSA §22a-174-26(d).

Section IV: Compliance Schedule

Section IV: Compliance Schedule

No Steps are required for achieving compliance at this time.

Section V: State Enforceable Terms and Conditions

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

SECTION V: STATE ENFORCEABLE TERMS AND CONDITIONS

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

Section V: State Enforceable Terms and Conditions

- F.** Hazardous Air Pollutants (HAPs): The Permittee shall operate in compliance with the regulations for the control of HAPs as set forth in RCSA §22a-174-29.

Section VI: Title V Requirements

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

SECTION VI: TITLE V REQUIREMENTS

A. SUBMITTALS TO THE COMMISSIONER & ADMINISTRATOR

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

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

Any submittal to the Administrator of the Environmental Protection Agency shall be 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:

Section VI: Title V Requirements

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

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

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

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

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

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

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

Section VI: Title V Requirements

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

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

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

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

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

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

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

Section VI: Title V Requirements

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

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

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

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

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

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

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

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

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

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

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

This Title V permit shall not be deemed to:

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

Section VI: Title V Requirements

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

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

N. PERMIT AVAILABILITY

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

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

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

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

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

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

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

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

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

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

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

Section VI: Title V Requirements

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

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

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

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

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

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

V. TRANSFERS [RCSA §22a-174-2a(g)]

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

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

W. REVOCATION [RCSA §22a-174-2a(h)]

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

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

Section VI: Title V Requirements

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

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

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

Y. CREDIBLE EVIDENCE

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