



Minnesota Pollution Control Agency  
Air Quality  
520 Lafayette Road  
St. Paul, MN 55155-4194

**TF-01**  
**INITIAL STATEMENT OF COMPLIANCE**  
**REPORT - ALTERNATIVE**  
**STANDARD/OVERALL EMISSION LIMIT**  
Halogenated Solvent Cleaning Equipment  
3/31/03

Facility Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Facility AQ #: \_\_\_\_\_ County Facility is located in: \_\_\_\_\_

Facility Address: \_\_\_\_\_  
\_\_\_\_\_ Zip Code: \_\_\_\_\_

Mailing Address: \_\_\_\_\_  
\_\_\_\_\_ Zip Code: \_\_\_\_\_

Facility Contact Person (Print Name): \_\_\_\_\_  
Facility Contact Person's Title: \_\_\_\_\_  
Contact Person's Phone # (include Area Code): \_\_\_\_\_

Responsible Person's Name (please print): \_\_\_\_\_  
Responsible Person's Title (please print): \_\_\_\_\_  
Responsible Person's Signature: \_\_\_\_\_

**Cleaning Machine (fill out separate form for each solvent cleaning tank):**

1. Tank Identification Number: \_\_\_\_\_  
Date of Tank Installation: \_\_\_\_\_  
Tank is: ☐ Existing (This report is due by May 1, 1998)  
☐ New (This report is due 150 days after start-up or May 1, 1995, whichever is later)

2. Type of Machine: ☐ Batch Vapor  
☐ In-Line

Solvent/Air Interface Area: \_\_\_\_\_ square meters  
OR  
\_\_\_\_\_ square feet  
☐ My cleaning machine has no solvent/air interface

3. Tank Description (model #; serial #, etc): \_\_\_\_\_

4. Cleaning Capacity of your machine: \_\_\_\_\_ cubic meters  
OR  
\_\_\_\_\_ cubic feet

## General Instructions for Overall Emission Limit Also Known As Alternative Standard

- This option allows you the flexibility to establish your own emission reduction strategy provided you comply with the overall emission limit.
- Applicable overall emission limits are based on your cleaning machine type and size.
- If you comply with the limit specified for your machine, you do not have to follow any additional equipment monitoring or work practice requirements.
- In addition, operators of machines complying with this option are not subject to the solvent cleaning procedures test. This is a test that the MPCA can give during an inspection. This test ensures that each operator has adequate knowledge of solvent cleaning operating procedures. Each operator of a solvent cleaning machine must complete and pass applicable sections of a solvent cleaning procedures test, when requested by the MPCA.
- This option is generally easiest to comply with when a machine is either well-controlled or infrequently used.

To determine the 3-month average monthly emission limit for your machine, multiply the solvent/air interface area (size) of the machine by the applicable limit (shown in table below):

Machine Type	3-Month Average Monthly Emission Limit (kg/m <sup>2</sup> x month) <sup>a</sup>	3-Month Average Monthly Emission Limit (lbs/ft <sup>2</sup> x month) <sup>b</sup>
Batch Vapor	150	30.7
Existing In-Line	153	31.4
New In-Line	99	20

<sup>a</sup> m<sup>2</sup> = The total surface area of all cleaning tanks for a particular machine (i.e., solvent/air interface area).

<sup>b</sup> ft<sup>2</sup> = The total surface area of all cleaning tanks for a particular machine (i.e., solvent/air interface area).

If your machine does not have a solvent/air interface area:

- Your emission limit is based on your machine's cleaning capacity.
- An emissions limit based on your machine's cleaning capacity is only an option if your machine does not have a solvent/air interface area.
- An emission limit based on your machine's cleaning capacity is not a compliance option for a machine with a solvent/air interface area.

**Determine your machine's cleaning capacity in one of the following ways:**

**Check the literature that was provided with your machine at the time of purchase to see if it includes a measurement of the cleaning capacity for your cleaning machine;**

**OR**

**Ask the manufacturer of your machine for the cleaning capacity;**

**OR**

**Determine the cleaning capacity of your machine from the following information:**

**The internal width (IW) (specify meters or feet) of the cleaner tank,**

**The internal length (IL) (specify meters or feet) of the cleaner tank, and**

**The depth (D) (specify meters or feet) of the cleaner tank**

**The cleaning capacity is obtained by multiplying the above numbers together (i.e., Capacity = IW x IL x D).**

**Records of the cleaning capacity determination for each of your machines without a solvent/air interface are to be maintained on-site in paper or electronic form for the lifetime of the machine.**

**5. If your machine does not have a solvent/air interface area, explain the calculation methods and the results used to determine the cleaning capacity of your machine: (attach a separate sheet of paper, if necessary)**

---

---

---

---

---

**6. The first 3 month average emissions for this machine is** \_\_\_\_\_ **kg/month**

**OR**

\_\_\_\_\_ **lb/month**

**(Calculation sheets should be attached.)**

**7. For ALL FACILITIES with HALOGENATED SOLVENT CLEANING MACHINES: Please fill in the following information for this halogenated solvent cleaning machine:**

Halogenated Solvent	Annual Consumption* for 1997 (in lbs)	Annual Consumption for 1996 (in lbs)
<b>Methylene Chloride</b> (CAS# 75-09-2)		<input type="checkbox"/> Actual <input type="checkbox"/> Estimated
<b>Perchloroethylene</b> (CAS# 127-18-4)		<input type="checkbox"/> Actual <input type="checkbox"/> Estimated
<b>Trichloroethylene</b> (CAS# 79-01-6)		<input type="checkbox"/> Actual <input type="checkbox"/> Estimated
<b>1,1,1-Trichloroethane</b> (Methyl Chloroform) (CAS# 71-55-6)		<input type="checkbox"/> Actual <input type="checkbox"/> Estimated
<b>Carbon Tetrachloride</b> (CAS# 56-23-5)		<input type="checkbox"/> Actual <input type="checkbox"/> Estimated
<b>Chloroform</b> (CAS# 67-66-3)		<input type="checkbox"/> Actual <input type="checkbox"/> Estimated

\*consumption means the amount of halogenated hazardous air pollutant solvent added to the solvent cleaning machine.

- **If you use actual annual consumptions for 1996: fill in the amount and check the “actual” box.**
- **If you do not have actual annual consumption records for 1996: give us your best estimate for the amounts and check the “estimated” box.**

**This report must be postmarked or received by applicable Due Date (refer to page 1 of this packet).  
Submit Report(s) to:**

Air Quality Compliance Tracking Coordinator Minnesota Pollution Control Agency 520 Lafayette Road North St. Paul, Minnesota 55155-4194	George Czerniak AE-17J U.S. EPA Region 5 77 West Jackson Boulevard Chicago, IL 60604-3507
---	---