



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

TF-09
COMPLIANCE METHOD CHANGE REPORT –
CONTROL COMBINATION or
IDLING EMISSION LIMIT
Halogenated Solvent Cleaning Equipment
03/31/03

Facility Name: _____ Date: _____
Facility AQ #: _____ County Facility is located in: _____

Facility Address: _____ Zip Code: _____

Mailing Address: _____ Zip Code: _____

Facility Contact Person (please print): _____
Facility Contact Person's Title: _____
Contact Person's Phone # (include area code): _____
E-Mail Address: _____
Fax #: _____

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

This report must be submitted to:	For Assistance call:
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	Small Business Compliance Assistance Program (for businesses with 100 or fewer employees) Metro: (651) 282-6143 Outstate: (800) 657-3938 MPCA Customer Assistance Center (for businesses with more than 100 employees) Metro: (651) 297-2274 Outstate: (800) 646-6247
MPCA Website: www.pca.state.mn.us	

1. Effective ____ (date), I have changed my Equipment Standard Compliance Method

FROM: ☐ Control Combination ☐ Idling Emission Limit

TO: ☐ Control Combination ☐ Idling Emission Limit (see page 3, make sure
(see pages 2 and 3) you attach your idling emission test report)

Cleaning Machine Description (fill out a separate form for each solvent cleaning machine)

2. Facility's Machine Identification #:

Manufacturer: _____
Model #: _____
Serial #: _____
Date of Installation: _____

Machine is: ☐ Existing (Construction or reconstruction began on or before November 29, 1993)
 (check one) ☐ New (Construction or reconstruction began after November 29, 1993)
☐ Batch Vapor ☐ In-Line

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

3. Control Combinations for Batch Vapor Cleaning Machines

If you have a batch vapor cleaning machine:

- and your solvent/air interface area is less than or equal to 1.21 square meters or 13 square feet;
- and you have picked the control combination option for complying with this rule;
- then, **choose one of the following** control option numbers for your machine:

Control Combination Option Number	Working Mode Cover	1.0 Freeboard Ratio	Super Heated Vapor	Freeboard Refrigeration	Reduced Room Draft	Carbon Adsorber	Dwell
1	X	X	X				
2			X	X			
3	X			X			
4		X	X		X		
5				X	X		
6		X		X			
7				X			X
8		X			X		X
9				X		X	
10		X	X			X	

What option number have you chosen? _____

If you have a batch vapor cleaning machine:

- and your solvent/air interface area is greater than 1.21 square meters or 13 square feet;
- and you have picked the control combination option for complying with this rule;
- then **choose one of the following** control option numbers for your machine:

Control Combination Option Number	Working Mode Cover	1.0 Freeboard Ratio	Super Heated Vapor	Freeboard Refrigeration	Reduced Room Draft	Carbon Adsorber	Dwell
1		X	X	X			
2				X	X		X
3	X		X	X			
4		X	X		X		
5			X	X	X		
6		X		X	X		
7			X	X		X	

What option number have you chosen? _____

4. Control Combinations for In-Line Cleaning Machines:

If your machine is an existing in-line cleaning machine and you have chosen the Control Combination option to comply, then choose one of the following control options for your machine:

Control Combination Option Number	1.0 Freeboard Ratio	Super Heated Vapor	Freeboard Refrigeration	Carbon Adsorber	Dwell
1	X	X			
2	X		X		
3			X		X
4				X	X

What option number have you chosen? ____

If your machine is a new in-line cleaning machine and you have chosen the Control Combination option to comply, then choose one of the following control options for your machine:

Control Combination Option Number	1.0 Freeboard Ratio	Super Heated Vapor	Freeboard Refrigeration	Carbon Adsorber	Dwell
1		X	X		
2			X	X	
3		X		X	

What option number have you chosen? ____

5. IDLING EMISSION LIMITS:

If you have chosen to comply with the idling emission limit option, **you must meet an emission limit** that is measured while the machine is idling (i.e., turned on, but not actively cleaning parts). **The manufacturer or vendor can usually provide the idling emission rate for the machine.**

Otherwise

- You must use **TEST METHOD 307** to determine the idling emission rate for your machine.
(Idling emissions are to be measured under idling conditions)

Idling Emission Rates for Batch Vapor Machines:	Idling Emission Rates for In-Line Machines:
0.22 kg per hour per square meter or 0.045 pounds per hour per square foot of solvent/air interface area.	0.10 kg per hour per square meter or 0.021 pounds per hour per square foot of solvent/air interface area.

If you have chosen the idling emission limits to comply and you have chosen parameters for controls not listed in paragraphs (a) through (e) of Section 63.466 Monitoring Procedures, then you must submit design, monitoring and recordkeeping requirements to the MPCA for approval. This information must be submitted with your idling emission test report.