just the FACTS

40 CFR 63.460
National Emission Standard for Halogenated Solvent Cleaning:
Idling Emission Limits for In-Line Machines

June 1998

The National Emission Standard for Hazardous Air Pollutants (NESHAP) for Halogenated Solvent Cleaning is a federal regulation that affects facilities with solvent cleaning machines. What your facility must do to comply with this NESHAP depends on the type of solvent cleaning machines that you use (batch vapor, in-line vapor, in-line cold, or batch cold).

This fact sheet provides a general overview of the requirements for **in-line solvent cleaning machines using idling emission limits to comply with the NESHAP**. Other fact sheets describe additional elements of complying with the NESHAP. Additional technical information is available by calling the Small Business Assistance Program (SBAP) at the toll-free number below for free and confidential help. For general information about air emissions regulations, contact the Environmental Ombudsman Unit at the toll-free number below; their assistance is also free and confidential.

Idling Emission Limit

This compliance option sets limits on solvent emissions during idle mode. A solvent machine is considered to be in idle mode when it is turned on but is not actually cleaning parts. The quantity being limited is the amount of solvent in kilograms (or pounds) emitted per square meter (or square foot) of solvent surface area per hour. To comply, the owner/operator must demonstrate that the solvent cleaning machine can achieve and maintain an idling emission limit of 0.10 kg/m^2 x hr (0.021 lb/ft^2 x hr). For test methods to determine idling emissions, refer to the NESHAP.

- One advantage of using this method of compliance is that emissions that occur during the working mode of the solvent cleaning machine do not factor into compliance with the NESHAP. Only those emissions that occur while the machine is idling must be calculated according to the methods described in the NESHAP and must be under the limit.

Design and Work Practices

Owners of in-line cleaning machines electing to use the idling emission limit to comply with the NESHAP must also comply with the following design requirements and workplace practices.

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Need more facts?

For technical assistance and for help with permitting, call the Small Business Assistance Program (SBAP) of the New York State Environmental Facilities Corporation
(800) 780-7227

For information about regulations, compliance financing assistance, and assistance resolving regulatory difficulties, contact the Environmental Ombudsman Unit of Empire State Development
(800) 782-8369

Both offer free and confidential assistance to small businesses.

The New York State Small Business Stationary Source Technical and Environmental Compliance Assistance **Program**

Design Requirements

1. Cover or reduce room draft
2. 0.75 or greater freeboard ratio
3. Hoist: maximum speed of 3.4 meters (11 feet) per minute
4. Liquid and vapor level indicators that shut off sump heat
5. Primary condenser (required on vapor cleaning machines)
6. Carbon adsorber, if using a lip exhaust

Work Practices

1. Minimize air disturbances in the cleaning machine and in the room
2. Minimize solvent loss due to spraying operations
3. Reduce the pooling of solvent on and in parts
4. Wait for solvent to stop dripping completely before removing parts
5. During startup, turn primary condenser on before sump heater
6. During shutdown, turn sump heater off before the primary condenser
7. Maintain equipment as recommended by the manufacturer
8. Store solvent waste in closed containers
9. Do not clean absorbent materials
10. Take and pass an operator test, if requested
11. Transfer solvent using leakproof couplings to minimize emissions

Test Methods

An initial test is required to determine that the machine meets the idling emission limits by measuring the amount of solvent emitted during idle mode using Method 307 (under 40CFR63 Appendix A). This test can be done by the owner or operator of the machine or can be supplied by the machine's vendor or a third party.

Reporting Requirements

In addition to the reporting requirements mentioned in the Recordkeeping and Reporting fact sheet, cleaning machines complying with the idling emission limit must submit an initial test report containing the results of the idling emissions tests as described in "Test Methods" above. This report can be replaced by one that has been completed by the vendor. The report must be submitted along with the initial compliance report. Refer to the Recordkeeping and Reporting fact sheet, available from the SBAP, for information on where to send reports.