

40 CFR 63.460
National Emission Standard for Halogenated Solvent Cleaning:
Definitions, Applicability, & Deadlines

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. Whether your facility must comply with this NESHAP or not depends on the type of solvent that you use in your machine.

This fact sheet provides a **general overview of which facilities are affected and the deadlines for complying** with particular elements of this NESHAP; state and local regulatory agencies may have additional requirements. Other fact sheets describe what each type of solvent cleaning machine must do to comply 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.

Definitions

Batch cleaning machine: A solvent cleaning machine in which individual parts or a set of parts move through the entire cleaning cycle before new parts are introduced into the solvent cleaning machine. An open-top vapor cleaning machine is a type of batch cleaning machine. A solvent cleaning machine, such as a ferris wheel or a cross-rod degreaser, that cleans multiple batch loads and that is manually loaded is a batch cleaning machine.

In-line (or continuous) cleaning machine: A solvent machine that uses an automated parts handling system, typically a conveyor, to automatically provide a continuous supply of parts to be cleaned.

Cold cleaning machine: Any device or piece of equipment that contains and/or uses liquid solvent, into which parts are placed to remove soils from the surfaces of the parts or to dry the parts.

Vapor cleaning machine: A batch or in-line solvent cleaning machine that boils liquid solvent generating solvent vapor that is used as a part of the cleaning or drying cycle.

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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

Applicability

This NESHAP applies to individual batch vapor, in-line vapor, in-line cold, and batch cold solvent cleaning/drying machines that use the following solvents or any combination of these solvents where the total concentration is greater than 5% by weight:

Solvent Name	CAS Number	Density (lbs/gal)	Boiling Point (°F)
methylene chloride	75-09-2	11.08	104
perchloroethylene, aka tetrachloroethylene or carbon dichloride	127-18-4	13.5	168
trichloroethylene, aka ethylene trichloride or trichloroethene	79-01-6	12.16	189
1,1,1-trichloroethane, aka methyl chloroform	71-55-6	11.16	165
carbon tetrachloride	56-23-5	13.25	168
chloroform, aka trichloromethane	67-66-3	12.33	143

Exemptions

The following solvents, machines, and activities are exempt from this NESHAP:

- Solvent mixtures that contain a total of 5% by weight or less of the above listed solvents
- Solvent cleaning machines with a capacity of 2 gallons or less
- Wipe cleaning and spray cleaning activities

Deadlines

A facility's deadlines to comply with the NESHAP depend on whether or not the machine was in operation when the NESHAP was issued. The NESHAP requires facilities to submit reports stating their compliance status. These reports must be submitted both to the New York State Department of Environmental Conservation (DEC) and the U.S. Environmental Protection Agency (EPA). For batch vapor and in-line machines, consult the fact sheet on reporting requirements for specific information about where to send reports. For batch cold machines, consult the fact sheet on compliance for batch cold machines. Both fact sheets are available from the SBAP or the Ombudsman.

Action:	Deadline for existing machines ^a	Deadline for new machines ^b
Submit Initial Notification Report to DEC and EPA	8/29/95	As soon as practicable
Comply with control or emission standard ^c	12/2/97	Immediately upon startup
Submit initial compliance report to DEC and EPA	5/1/98	150 days after startup

^a Existing = machines in operation on or before 11/29/93.

^b New = start up after 11/29/93.

^c Refer to the fact sheets for each machine type for specific compliance options.