

CONTROL EQUIPMENT SELF-INSPECTION LOG SHEET

side-1

Provided by Rhode Island Department of Environmental Management's Office of Air Resources to Perchloroethylene Dry Cleaners

ctrinsp.sht,4/97

Facility: _____

Year: _____

Drycleaning Machine: _____

Federal regulations require that operators of perchloroethylene dry cleaning equipment conduct weekly tests of their air pollution control systems. The log on the reverse side or something similar must be used to maintain records of these self-inspections. If, at any time, the result of the test exceeds the limits for the type of control system at your facility (see below), steps must be taken to repair the control system. Records and/or purchase orders for that repair must be kept with this log sheet.

CONTROL SYSTEM LIMITS

Closed-loop Self-contained Machines:	40° F
Auxiliary Refrigerated Chillers:	40° F
Carbon Adsorbers (Sniffers):	20 PPM
Azeotropic Units (Solvation):	20 PPM

The procedure for testing each of these control systems is as follows:

Closed-loop Self-contained Machine. A temperature gauge should be installed which measures the temperature of the air-stream just after the refrigerated condenser. Contact the manufacturer of the unit if you have trouble finding it. If there is no gauge, one must be installed. Check this gauge just as the loading door is opened to unload. The temperature should be less than or equal to 40° F. Enter your results in the log.

Auxiliary Refrigerated Chiller. A temperature gauge or thermometer must be installed at the condenser outlet on the refrigerated chiller. Check this gauge just as the door to the dry cleaning machine is opened to unload. The temperature must be less than or equal to 40° F. Enter your results in the log.

Carbon Adsorber. You must purchase a colorimetric detector tube pump kit and perchloroethylene detector tubes that will read values in a range from around 5 ppm to 100 ppm. Make a hole in a straight section of the exhaust duct, away from bends and obstructions. The hole must be large enough to fit a detector tube. An existing hole can be used as long as it is away from bends and obstructions. During the deodorize cycle (last cycle) of the last dry cleaning load processed just before the carbon adsorber is to be desorbed, insert the detector tube into the hole in the exhaust duct. Squeeze or pull the pump handle as directed by the manufacturer. If a color change is noted, refer to the instructions to determine the ppm reading. This usually depends on the number of pump strokes. The ppm reading must be less than or equal to 20 ppm. Enter your results in the log. Please remember to cover the hole after the test.

Azeotropic Unit. See the instructions for carbon adsorber testing above. The same instructions are to be followed for testing the carbon canister installed with azeotropic units.

CONTROL EQUIPMENT SELF-INSPECTION LOG SHEET

side-2

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(see reverse side for instructions)

Week	Date	Reading	Repair Required?
1			
2			
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Week	Date	Reading	Repair Required?
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