

**DEPARTMENT OF ENVIRONMENTAL QUALITY**

**AIR QUALITY DIVISION**

**PART 7. EMISSIONS AND PROHIBITIONS—NEW SOURCES OF VOLATILE ORGANIC COMPOUND EMISSIONS**

**R 336.1708 New open top vapor degreasers.**

Rule 708. (1) It is unlawful for a person to operate a new open top vapor degreaser unless all of the provisions of the following subrules are met or unless an equivalent control method is approved by the department.

(2) It is unlawful for a person to operate a new open top vapor degreaser unless at least 1 of the following conditions is met:

(a) The degreaser is designed such that the ratio of the freeboard height to the width of the degreaser is equal to or greater than 0.75. And if the degreaser opening is more than 10 square feet, the degreaser shall be designed with a powered or mechanically assisted cover.

(b) The degreaser is equipped with a refrigerated freeboard device.

(c) The degreaser is controlled by a carbon adsorption system with ventilation of more than 50 cubic feet per minute of air/vapor area when the cover is open and with exhaust of less than 25 parts of organic vapor per million parts of air averaged over 1 complete adsorption cycle.

(d) The degreaser is controlled by an equivalent control method approved by the department.

(3) It is unlawful for a person to operate a new open top vapor degreaser unless all of the following conditions are met:

(a) A cover shall be installed that is designed to be opened and closed easily without disturbing the vapor zone. The cover shall be closed at all times, except when processing workloads through the degreaser.

(b) A procedure shall be developed to minimize solvent carryout by doing all of the following:

(i) Racking parts to allow complete drainage.

(ii) Moving parts in and out of the degreaser at a vertical speed of less than 11 feet per minute when a powered hoist is used to raise or lower the parts.

(iii) Holding parts in the vapor zone not less than 30 seconds or until condensation ceases.

(iv) Tipping or tumbling parts in a manner such that no pools of organic solvent remain on the cleaned parts before removal.

(v) Allowing parts to dry within the degreaser for not less than 15 seconds or until visually dry.

(c) The following control devices shall be installed:

(i) A condenser flow switch and thermostat that shut off the sump heat if the condenser coolant is either not circulating or is too warm.

(ii) If equipped with spray, a spray safety switch that shuts off the spray pump if the vapor level drops excessively.

(iii) A vapor level control device that shuts off the sump heat if the solvent vapor level rises above the normal design level.

(d) The total workload shall not occupy more than 1/2 of the degreasers open top area.

(e) Solvent shall not be sprayed above the vapor level.

(f) Solvent leaks shall be repaired immediately.

(g) The degreaser shall be operated in such a manner that no water is visibly detectable in solvent exiting the water separator.

(h) Exhaust ventilation shall not exceed 65 cubic feet per minute per square foot of degreaser open area, unless necessary to meet OSHA requirements.

(i) Waste solvent shall be stored only in closed containers, unless demonstrated to be a safety hazard and disposed of in a manner such that not more than 20% by weight is allowed to evaporate into the atmosphere.

(4) A person responsible for the provisions of this rule shall develop written procedures for the operation of all such provisions, and such procedures shall be posted in an accessible, conspicuous location near the vapor degreaser.

(5) The provisions of this rule shall not apply to an open top vapor degreaser having an air/vapor interface of less than 10 square feet, if the degreaser complies with the provisions of subrules (3) and (4) of this rule.

(6) The provisions of this rule do not apply to a new open top vapor degreaser that is subject to the provisions of the halogenated solvent cleaner national emission standards for hazardous air pollutants (1995), which are adopted by reference in R 336.1651.

History: 1980 AACCS; 1997 MR 5, Eff. June 15, 1997.