

DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

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

R 336.1710 New conveyORIZED vapor degreasers.

Rule 709. (1) It is unlawful for a person to operate a new conveyORIZED 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 conveyORIZED vapor degreaser unless at least 1 of the following conditions is met:

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

(b) 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.

(c) The cleaner is controlled by an equivalent control method approved by the department.

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

(a) Covers shall be provided for closing off the entrance and exit during shutdown hours.

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

(i) Racking parts for best drainage.

(ii) Moving parts in and out of the degreaser at a vertical speed of less than 11 feet per minute.

(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) A spray safety switch that shuts off the spray pump or the conveyor 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) Openings shall be designed in a manner to be minimized during operation so that entrances and exits silhouette maximum size workloads with an average clearance between the parts and the edge of the degreaser opening of less than 4 inches or less than 10% of the width of the opening.

(e) Solvent leaks shall be repaired immediately.

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

(g) A downtime cover shall be placed over entrances and exits of the conveyORIZED cold cleaner immediately after the conveyors and exhausts are shut down and shall not be removed until just before start-up.

(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 such provisions, and such procedures shall be posted in an accessible, conspicuous location near the conveyorized vapor degreaser.

(5) The provisions of this rule shall not apply to any new conveyorized vapor degreaser having an air/vapor interface of less than 20 square feet, if the cleaner complies with the provisions of subrules (3) and (4) of this rule.

(6) The provisions of this rule do not apply to any new conveyorized 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.