**DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY**

**AIR QUALITY DIVISION**

**AIR POLLUTION CONTROL**

(By authority conferred on the director of the department of environment, Great Lakes, and energy by sections 5503 and 5512 of the natural resources and environmental protection act, 1994 PA 451, MCL 324.5503 and 324.5512, and Executive Reorganization Order Nos. 1995-16, 2009-31, 2011-1, and 2019-1, MCL 324.99903, 324.99919, 324.99921, and 324.99923)

## PART 7. EMISSION LIMITATIONS AND PROHIBITIONS-- NEW SOURCES OF VOLATILE ORGANIC COMPOUND EMISSIONS

### R 336.1701 "New source" defined.

Rule 701. For the purpose of this part, a "new source" means any process or process equipment which is either placed into operation on or after July 1, 1979, or for which an application for a permit to install, pursuant to the provisions of Part 2 of these rules, is made to the department on or after July 1, 1979, or both, except for any process or process equipment which is defined as an "existing source" under R 336.1601.

History: 1980 AACS; 1981 AACS; 2002 AACS.

### R 336.1702 New sources of volatile organic compound emissions generally.

Rule 702. A person who is responsible for any new source of volatile organic compound emissions shall not cause or allow the emission of volatile organic compound emissions from the new source in excess of the lowest maximum allowable emission rate of the following:

(a) The maximum allowable emission rate listed by the department on its own initiative or based upon the application of the best available control technology.

(b) The maximum allowable emission rate specified by a new source performance standard promulgated by the United States environmental protection agency under authority enacted by title I, part A, section 111 of the clean air act, as amended, 42 U.S.C. §7413.

(c) The maximum allowable emission rate specified as a condition of a permit to install or a permit to operate.

(d) The maximum allowable emission rate specified in part 6 of these rules which would otherwise be applicable to the new source except for the date that the process or process equipment was placed into operation or for which an application for a permit to install, under the provisions of part 2 of these rules, was made to the department. If the part 6 allowable emission rate provides for a future compliance date, then the future compliance date shall also be applicable to a new source pursuant to this subdivision.

History: 1980 AACS; 1993 AACS; 2002 AACS.

**R 336.1703 Rescinded.**

History: 1980 AACS; 2002 AACS; 2023 MR 19, Eff. Oct. 11, 2023.

**R 336.1704 Rescinded.**

History: 1980 AACS; 2002 AACS; 2023 MR 19, Eff. Oct. 11, 2023.

**R 336.1705 Rescinded.**

History: 1980 AACS; 1989 AACS; 2002 AACS; 2023 MR 19, Eff. Oct. 11, 2023.

**R 336.1706 Rescinded.**

History: 1980 AACS; 1989 AACS; 1997 AACS; 2023 MR 19, Eff. Oct. 11, 2023.

**R 336.1707 New cold cleaners.**

Rule 707. (1) It is unlawful for a person to operate a new cold cleaner 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 cold cleaner using a solvent having a Reid vapor pressure of more than 0.6 psia or heated above 120 degrees Fahrenheit, unless at least 1 of the following conditions is met:

(a) The cold cleaner is designed such that the ratio of the freeboard height to the width of the cleaner is equal to or greater than 0.7.

(b) The solvent bath is covered with water if the solvent is insoluable and has a specific gravity of more than 1.0.

(c) The cold cleaner is controlled by a carbon adsorption system, condensation system, or other method of equivalent control approved by the department.

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

(a) A cover shall be installed and the cover shall be closed whenever parts are not being handled in the cleaner. The cover shall be mechanically assisted in any of the following situations:

(i) The Reid vapor pressure of the solvent is more than 0.3 psia.

(ii) The solvent is agitated.

(iii) The solvent is heated.

(b) A device shall be available for draining cleaned parts, and the parts shall be drained not less than 15 seconds or until dripping ceases.

(c) 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 cold cleaner.

(5) The provisions of this rule do not apply to a new cold cleaner 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 AACS; 1997 AACS.

**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 degreaser's 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 AACS; 1997 AACS.

**R 336.1709 New conveyorized cold cleaners.**

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

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

(b) The cleaner 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 cold cleaner 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 racking parts for best drainage.

(c) 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 cleaner opening of less than 4 inches or less than 10% of the width of the opening.

(d) Solvent leaks shall be repaired immediately.

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

(f) 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.

(g) 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 cold cleaner.

(5) The provisions of this rule shall not apply to any new conveyorized cold cleaner 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 a new conveyorized cold cleaner 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 AACS; 1997 AACS.

**R 336.1710 New conveyorized vapor degreasers.**

Rule 710. (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.

1. Parts per million, by volume 2. Averaging time period 3. This compound is a stabilizer

History: 1980 AACS; 1997 AACS.