

ADDITIONAL SPECIAL TERMS AND CONDITIONS

1. The open top vapor degreaser shall employ a cover and safety switches as described below:
 - a. A cover that can be opened and closed easily without disturbing the vapor zone.
 - b. A condenser flow switch and thermostat or any other device which shuts off the sump heat if the condenser coolant is either not circulating or too warm.
 - c. A spray safety switch which shuts off the spray pump if the vapor level drops below any fixed spray nozzle.
 - d. A vapor level control thermostat or any other device which shuts off the sump heat when the vapor level rises too high.
 - e. A water flow switch, water pressure switch, or any other device which shuts off the sump heat if the water in a water-cooled condenser has no flow or no pressure, whichever is being monitored.
2. A freeboard with a freeboard ratio greater than or equal to 0.75 shall be maintained, and if the open top vapor degreaser opening is greater than 10 square feet, the cover must be powered or equipped with mechanical features whereby it can be readily closed when the degreaser is not in use.
3. The permittee shall operate and maintain a refrigerated chiller for the open top vapor degreaser.

A. Operational Restrictions

1. The open top vapor degreaser shall be operated and maintained in accordance with the following practices to minimize solvent evaporation from the unit:
 - a. Keep the cover closed at all times except when processing work loads through the degreaser.

- b. Minimize solvent carry-out by:
 - i. Racking parts so that solvent drains freely and is not trapped.
 - ii. Moving parts in and out of the degreaser at less than 11 feet per minute.
 - iii. Holding the parts in the vapor zone at least 30 seconds or until condensation ceases, whichever is longer.
 - iv. Tipping out any pools of solvent on the cleaned parts before removal from the vapor zone.
 - v. Allowing parts to dry within the degreaser for at least 15 seconds or until visually dry, whichever is longer.
- c. Clean only materials that are neither porous nor absorbent.
- d. Occupy no more than one-half of the degreaser's open-top area with a workload.
- e. Always spray within the vapor level.
- f. Repair solvent leaks immediately, or shut down the degreaser.
- g. Store waste solvent only in covered containers.
- h. Operate the cleaner such that water cannot be visually detected in solvent exiting the water separator.
- i. Use no ventilation fans near the degreaser opening.
- j. When the cover is open, do not expose the open top vapor degreaser to drafts greater than 131 feet per minute, as measured between 3 and 6 feet upwind and at the same elevation as the tank lip.

- k. If a lip exhaust is used on the open top vapor degreaser, do not use a ventilation rate that exceeds 65 cubic feet per minute per square foot of degreaser open area, unless a higher rate is necessary to meet Occupational Safety and Health Administration.

B. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of all control equipment maintenance.
2. The permittee shall collect and record the following information for each month:
 - a. the type of solvent employed in the open top vapor degreaser;
 - b. the amount of solvent employed, in gallons;
 - c. the amount of solvent recycled, in gallons;
 - d. the number of hours the emissions unit was in operation; and
 - e. the calculated average hourly VOC emissions rate, ie. $[(b) - (c)] * (\text{VOC content density}) / (d)$, in pounds VOC per hour (average).

C. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include an identification of each period during which the average hourly volatile organic compound emissions exceeded 6.0 pounds per hour, and the actual average hourly volatile organic compound emissions for each such period.
2. The permittee shall submit required reports in the following manner:
 - a. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

D. Testing Requirements

1. Compliance with the emission limitations in Permit to Install #16-1793 of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:

6.0 lbs/hr VOC
26.3 TPY VOC

Applicable Compliance Method:

The permittee shall demonstrate compliance with the above limitation based upon the record keeping requirements of Section B.2 of these T&Cs.