

<p><b>Department of Natural Resources and Environmental Control</b>  <b>Division of Air and Waste Management</b>  <b>Air Quality Management Section</b>  <b>PERMIT APPLICATION</b></p>	<p><b>AQM-1001G</b>  <b>METAL CLEANING DEGREASERS</b></p>
<p>Depending upon the type of degreasing operation, complete the corresponding section only.          If more than one degreaser is located at this plant, make additional copies of this form, as necessary.</p>	<p><i>DEPARTMENT USE, ONLY</i></p> <p>I.D.:</p>

<b>SECTION I. COLD CLEANING DEGREASER, ONLY</b>	EMISSION UNIT NO.:
	LOCATION WITHIN FACILITY:
<p>1. Manufacturer or Description:</p> <p>Inside Diameter of Tank (ft):      Width:                                      Length:                                      Depth:</p> <p>Freeboard Height:                      feet</p> <p>Date Installed:    /    /</p> <p>Type: Dip Tank</p> <p>Maximum Operation:    hours/day                      days/week                      weeks/year</p>	
<p>2. Solvent Type (Mineral Spirits, Stoddard, etc.):          Attach MSDS for each solvent used</p> <p>Maximum Amount Used:                      gallons/hour                                      gallons/year</p> <p>Solvent Volatility at 68°F:                      mmHg</p>	
<p>3. Equipment Design          Is the degreaser equipped with:</p> <p>Tank Cover:                      Yes</p> <p>Drainage Board:                      Yes      If Yes, Type of Board: Internal</p> <p>Is Solvent Sprayed?                      Yes      If Yes, Spray Pressure:                      psi</p> <p>Agitation:                      Yes      If Yes, Agitation Type: Pumped</p> <p>Heating:                      Yes      If Yes, Temperature:                      °F</p>	
<p>4. Operating Procedure</p> <p>Can degreaser be closed during degreaser operation?                      Yes</p> <p>Is degreaser cover closed when degreaser is not in use?                      Yes</p> <p>Are parts dry before removal from drying rack?                      Yes</p> <p>How are waste solvent and sludge disposed of?</p>	
<p>5. Indicate the type of control device (if any):</p> <p><input type="checkbox"/> Refrigerated Chiller</p> <p><input type="checkbox"/> Carbon Adsorption</p> <p><input type="checkbox"/> Water Spray</p> <p><input type="checkbox"/> Freeboard Ratio <math>\geq 0.7</math></p> <p><input type="checkbox"/> Other (<i>specify</i>):</p>	

(Complete Form AQM-1001K for Control Equipment)

**SECTION II. OPEN TOP VAPOR DEGREASER, ONLY**

Emission Unit No.:

6. Manufacturer or Description:

Inside Dimensions of Tank (ft.):      Width:                      Length:                      Depth:

Date Installed:    /    /

Is solvent sprayed: Yes                      Spay Pressure:                      *psi*

Maximum Operation:                      hours/day                      days/week                      weeks/year

7. Solvent Type (Name):

Attach MSDS for Each Solvent Used

Maximum Amount Used:                      gallons/hour                      gallons/year

8. Indicate the types of safety switches the degreaser is equipped with:

- Condenser flow switch and thermostat (to shut off sump heat if condenser coolant either is not circulating or is too warm).
- Spray safety switch (to shut off spray pump if the vapor level drops more than four (4) inches below the bottom condenser coil.
- Vapor level control thermostat (to shut off sump heat if the vapor zone rises above the design level.

9. Type of vapor levels controls:

 Condensing Coil                       Chilled water or refrigerant                       None

Temperature of the cooling liquid:                      ° F

10. Method of heating the degreaser:

 Gas     Electric     Steam     Rating:                      BTU/hr or                      KW

11. Type of cleaning action:

 Sonic                       Immersion in liquid                       Mechanical Mixing                       Vapor Condensation                       Spray

12. Tank Cover:

 Automatic     Manual     None                      Is the tank covered when not in use?    Yes

13. Describe how waste solvent and sludge are disposed:

14. Indicate the type of Control Device (if any):

Refrigerated Chiller                       Water Spray

Carbon Adsorption                       freeboard Ratio  $\geq 0.75$                        Other (specify):

15. Are the parts to be degreased moved in and out at a vertical speed of less than 11 ft/min? Yes

What is the exhaust air flow?                      cfm



