

## **SUPPLEMENTAL INFORMATION: DEGREASERS & DIP TANKS**

Fill out the attached form including the following information and submit with your application for an Authority to Construct:

1. EQUIPMENT LOCATION DRAWING - The drawing or sketch submitted must show the following:
  - a. The property involved and outlines and heights of all buildings. Identify property lines plainly.
  - b. Location and identification of the equipment on the property, showing vent or stack.
  
2. DRAWINGS OF DEGREASER AND DIP TANK - Supply a dimensioned drawing showing the following:
  - a. Overall length, width, and height of the degreaser or dip tank.
  - b. Location of vapor level controls.
  - c. Submit the manufacturer's catalog or specification for equipment.
  
3. ESTIMATE OF EMISSIONS
  - a. Provide estimates of pollutant concentrations and mass emission rates for pollutants listed in c. below.
  - b. State any combustion modifications or control devices employed to reduce emissions. State estimated reduction.
  - c. Best Available Control Technology (BACT) is required if the potential to emit exceeds one or more of the following limitations on a daily basis:

Particulate Matter (PM-10)	80 lb/day
Nitrogen Oxides	25 lb/day
Sulfur Oxides	80 lb/day
Reactive Organic Compounds	25 lb/day
Carbon Monoxide	500 lb/day
  
4. ADDITIONAL INFORMATION
  - a. Submit a Material Safety Standards Data Sheet (MSDS) for each solvent used in operation.
  - b. Complete pages 2 & 3.

After an Authority to Construct is granted for any equipment, alterations from the approved plans are not permissible without first securing additional approval for the changes from the Air Pollution Control Officer.

Further information or clarification concerning permits can be obtained by calling (530) 891-2882.

**DEGREASER SUMMARY**

1. Business License Name: \_\_\_\_\_
2. Degreaser manufacturer, model number & serial number: \_\_\_\_\_
3. Type of degreaser:  vapor       non-vapor
4. Inside dimensions of tank:  
       \_\_\_\_\_ wide X \_\_\_\_\_ deep X \_\_\_\_\_ long
5. Check the general equipment that is included with this degreaser: (all general equipment required)
  - cover which prevents solvent evaporation
  - facility for draining cleaned parts and returning drained solvent to degreaser.
  - label summarizing operating requirements
  - none
6. List all types and quantities of degreaser solvents used:

TYPE	AVERAGE GALLONS/DAY	TOTAL GALLONS/YEAR
a.		
b.		
c.		

7. Operational data:  
       \_\_\_\_\_ hrs/day \_\_\_\_\_ days/week \_\_\_\_\_ weeks/year

8. For vapor degreasers:

- a. Method of heating:

Gas	BTU/hr
Electric	KW/hr
Steam	BTU/hr

b. Check type of control device installed (must use at least one):

- freeboard ratio greater than or equal to 0.75 (freeboard ratio = freeboard height/width of degreaser)
- refrigerated chiller (greater than or equal to 8.8 watts/meter)
- carbon adsorption system
- other (describe) \_\_\_\_\_

c. Check types of safety switches installed: (all safety switches required)

- sump heat shuts off if condenser coolant stops circulating or becomes warmer than specified
- for spray type degreasers, spray pump operation stops when solvent vapor level is not at the design operating level.
- sump heat shuts off if solvent vapor level rises above designed operating level

d. Depth from rim of tank to vapor level control device (freeboard height).

\_\_\_\_\_ inches

9. For non-vapor degreasing: Check control device installed (must use at least one)

- freeboard ratio greater than or equal to 0.75 (freeboard ratio = freeboard height/width of degreaser)
- enclosed sump from which solvent is pumped and into which solvent drains
- water cover if the solvent is insoluble in and heavier than water
- other (describe) \_\_\_\_\_