

## **Instruction Sheet**

### **DEP7007M Metal Cleaning Degreasers**

This form provides description of all metal cleansing degreasers, including cold cleaning degreasers, open top vapor degreasers, and conveyORIZED degreasers. Complete the sections of the form based on the type of degreasing operation. If more than one degreaser is located at the facility, make additional copies of this form as necessary.

Source Name: Enter the name of the facility.

KY EIS (AFS) #: Enter the Kentucky Emissions Inventory Section identification number of the facility. The KY EIS number follows the format: 21-\_\_\_\_-\_\_\_\_\_. A new source will not have a KY EIS number.

Permit #: Enter the permit number of the permitted facility. This is the permit number found on the front page of the permit. A new facility will not have a permit number.

Agency Interest (AI) ID: Enter the agency interest number of the facility. This number is found on the front page of the permit. A new facility will not have an agency interest number.

Date: Enter the date the form was completed. If the form is being revised, enter the date the form was revised.

#### Section M.1: Cold Cleaning Degreasers Only

Emission Unit#: Enter the unique number used to identify the emission unit. If the emission unit is currently permitted, use the existing identification number.

Emission Unit Name: Enter the name of the emission unit. Include the descriptor “fugitive” for processes that are fugitive emissions.

Control Device/Stack #: Enter the number of the stack or the control device ID. A detailed description of the stack should be provided on DEP7007N.

Manufacturer: Enter the manufacturer name.

Model/Serial #: Enter the model/serial number.

Proposed/Actual Date of Construction Commencement: Enter the proposed or actual date of construction commencement for the degreaser.

Type: Indicate whether the cold cleaning degreaser is a dip tank or a spray sink.

Maximum Operating Schedule: Record the maximum operating schedule for hours/day, days/week, and weeks/year.

Solvent Information:

\*Attach SDS to applications for each solvent.

Trade Name: Enter the trade name.

Manufacturer: Enter the solvent manufacturer.

Maximum amount of solvent used: Enter the maximum amount of solvent used in gallons per hour (gal/hr) and gallons per year (gal/yr).

Maximum Volatility at 100°F: Record the maximum volatility at 100 °Fahrenheit in millimeters of mercury (mmHg).

Equipment Design:

Inside dimensions of tank: Record the inside dimensions (width, length, depth, freeboard height) of the tank in feet.

If heated, indicate temperature: Record the temperature in degrees Fahrenheit.

If sprayed, indicate spray pressure: Record the spray pressure in pounds per square inch (psi).

If agitation is utilized, indicate type: Indicate the type of agitation (pumped, air, mechanical, ultrasonic) used.

If drainage board is utilized, indicate type: Indicate whether the drainage board is internal or external.

Is a tank cover utilized? Indicate whether the tank is covered by marking “yes” or “no”.

If external, is drainage returned? Indicate whether the external drainage is returned by marking “yes” or “no”.

Operating Procedure:

Is the degreaser cover closed during degreaser operation? Indicate whether the degreaser cover is closed during the degreaser operation by marking “yes” or “no”.

Is degreaser cover closed when degreaser is not in use? Indicate whether the degreaser cover is closed when degreaser is not in use by marking “yes” or “no”.

Are parts dry before removal from drying rack? Indicate whether the parts are dry before removal from drying rack by marking “yes” or “no”.

Describe disposal of waste solvent and sludge: Describe the methods of disposal of waste solvent and sludge.

Control Devices:

Identify if any are utilized: Indicate each type of control device used.

Other: Specify any other control device used and describe the use.

Section M.2: Open Top Vapor Degreasers

Emission Unit#: Enter the unique number used to identify the emission unit. If the emission unit is currently permitted, use the existing identification number.

Emission Unit Name: Enter the name of the emission unit. Include the descriptor “fugitive” for processes that are fugitive emissions.

Control Device/Stack #: Enter the number of the stack or the control device ID. A detailed description of the stack should be provided on DEP7007N.

Manufacturer: Enter the manufacturer name.

Model/Serial #: Enter the model/serial number.

Proposed/Actual Date of Construction Commencement: Enter the proposed or actual date of construction commencement for the degreaser.

Maximum Operating Schedule: Record the maximum operating schedule for hours/day, days/week, and weeks/year.

Solvent Information:

\*Attach SDS for each solvent.

Trade Name: Enter the trade name.

Manufacturer: Enter the solvent manufacturer.

Maximum amount of solvent used: Enter the maximum amount of solvent used in gallons per hour (gal/hr) and gallons per year (gal/yr).

Maximum Volatility at 100°F: Record the maximum volatility at 100 °Fahrenheit in millimeters of mercury (mmHg).

Equipment Design:

Inside dimensions of tank: Record the inside dimensions (width, length, depth, freeboard height) of the tank in feet.

If sprayed, indicate spray pressure: Record the spray pressure in pounds per square inch (psi).

Type of Safety Switches:

Choose all that apply: Indicate all that apply. A condenser flow switch and thermostat is used to shut off sump heat if condenser coolant is either not circulating or too warm. A spray safety switch is used to shut off spray pump if the vapor level drops more than four inches below the bottom condenser coil in order to prevent spraying above the vapor level. A vapor level control thermostat is used to shut off sump heat if the vapor zone rises above the design level.

Type of Vapor Level Controls:

Choose all that apply: Indicate all that apply.

Temperature of cooling liquid (°F): Record the temperature of cooling liquid in degrees Fahrenheit.

Method of Heating:

Choose all that apply: Indicate all that apply.

Rating: Record the rating and circle either Btu/hr or kW.

Type of Cleaning Action (choose all that apply):

Choose all that apply: Indicate all that apply.

Other: Specify and describe any other cleaning action used.

Tank Cover (choose all that apply):

Choose all that apply: Indicate the type of tank cover.

Is the tank covered when not in use? Indicate whether the tank is covered when not in use by marking “yes” or “no”.

Describe disposal of waste solvent and sludge: Describe the methods of disposal of waste solvent and sludge.

Control Device:

Identify if any are utilized: Indicate if a control device is used.

Other: Specify and describe any other control device used.

Air Flow:

Are the parts to be degreased moved in or out at a vertical speed of less than 11 ft/min? Indicate whether the parts to be degreased moved in or out at a vertical speed of less than 11 ft/min by marking “yes” or “no”.

What is the exhaust air flow? Record the exhaust air flow in cubic feet per minute (cfm).

### Section M.3: Conveyorized Degreasers

Emission Unit#: Enter the unique number used to identify the emission unit. If the emission unit is currently permitted, use the existing identification number.

Emission Unit Name: Enter the name of the emission unit. Include the descriptor “fugitive” for processes that are fugitive emissions.

Control Device/Stack #: Enter the number of the stack or the control device ID. A detailed description of the stack should be provided on DEP7007N.

Manufacturer: Enter the manufacturer name.

Model/Serial #: Enter the model/serial number.

Proposed/Actual Date of Construction Commencement: Enter the proposed or actual date of construction commencement for the degreaser.

Type: Indicate the type of conveyorized degreaser.

Maximum Operating Schedule: Enter the maximum operating schedule for hours/day, days/week, and weeks/year.

Solvent Information:

\*Attach SDS for each solvent.

Trade Name: Enter the trade name.

Manufacturer: Enter the solvent manufacturer.

Maximum amount of solvent used: Enter the maximum amount of solvent used in gallons per hour (gal/hr) and gallons per year (gal/yr).

Maximum Volatility at 100°F: Record the maximum volatility at 100 °Fahrenheit in millimeters of mercury (mmHg).

Equipment Design:

Inside dimensions of tank: Record the inside dimensions (width, length, depth, freeboard height) of the tank in feet.

Is a tank cover utilized when not in use? Indicate whether the tank is covered when not in use by marking “yes” or “no”.

If sprayed, indicate spray pressure: Record the spray pressure in pounds per square inch (psi).

Indicate if any of the following are utilized: Indicate if a “drying tunnel” or “tumbling or rotating baskets” is used.

Describe the workload design specifications: Describe the workload design specifications.

Type of Safety Switches:

Choose all that apply: Indicate all that apply.

Method of Heating:

Choose all that apply: Indicate all that apply.

Rating: Record the rating in either Btu/hr or kW.

Control Device:

Identify if any are utilized: Indicate if any control device is used.

Other: Specify and describe any other control device used.

Operating Parameters:

Actual conveyor speed: Record the actual conveyor speed in feet per minute (ft/min).

Flow rate of exhaust: Record the flow rate of exhaust in cubic feet per minute (cfm).

Maximum vertical conveyor speed at exit or entrance of the degreaser: Record the maximum vertical conveyor speed at exit or entrance of the degreaser in feet per minute (ft/min).

Temperature of solvent bath: Record the temperature of solvent bath. Indicate whether the temperature is in degrees Fahrenheit or degrees Celsius.

Describe disposal of waste solvent, sludge from the still and solvent from the adsorber: Describe the methods of disposal of waste solvent, sludge from the still, and solvent from the adsorber.

#### Section M.4: Notes, Comments, and Explanations

Use this sheet provide additional notes, comments, or explanations on the information provided in Sections M.1, M.2, and M.3.