



Illinois Environmental Protection Agency

Solvent Cleaning – ConveyORIZED Degreaser

Illinois Environmental Protection Agency
Bureau of Air – Permit Section (MC 11)
2520 West Iles Ave
P.O. Box 19276
Springfield, IL 62794-9276

Date Form Received

General Information

Source Name: _____

Source ID Number: _____

CAAPP Permit Number: _____

Environmental Contact Name: _____

Environmental Contact Email: _____

Environmental Contact Phone Number: _____

Name of Emission Unit: _____

Name of Process: _____

Description of Process: _____

Description of Product/Activity: _____

Flow Diagram Designation of Emission Unit: _____

Manufacturer of Emission Unit (if known): _____

Model Number (if known): _____

Serial Number (if known): _____

Actual or Planned Construction Date (Month/Year): _____

Actual or Planned Operation Date (Month/Year): _____

Actual or Planned Latest Modification Date (Month/Year): _____

Briefly Describe Modification (if applicable):

The Illinois EPA is authorized to require, and you must disclose, the requested information on this form pursuant to the Environmental Protection Act (“Act”), 415 ILCS 5/1 et seq., and its implementing regulations. This information shall be provided using either this form or in an alternative manner at your discretion. Failure to disclose the information may result in an incomplete application and other penalties as provided for in the Act, 415 ILCS 5/42-45. Intentional falsification of the information in this form may result in significant criminal and civil penalties as provided by law.

If the emission unit has more than one mode of operation, explain and identify which mode is covered by this form (note: a separate 366-CAAPP form must be completed for each mode):

Provide the name and designation of all air pollution control equipment controlling this emission unit, if applicable (form 260-CAAPP and the appropriate 260-CAAPP addendum form must be completed for each item of air pollution control equipment):

Provide any limitations on source operation affecting emissions or any work practice standards (e.g., only one unit is operated at a time):

Operating Information

Attach associated calculations and label as Exhibit 366-1.

Operating Hours	Maximum	Typical
Hours Per Day		
Hours Per Week		
Weeks Per Year		

Throughput	Dec-Feb(%)	Mar-May(%)	Jun-Aug(%)	Sep-Nov(%)
Annual Throughput				

Material Usage Information

Attach associated calculations and label as Exhibit 366-1.

Raw Materials	Maximum Rates (lbs/hr)	Maximum Rates (tons/year)	Typical Rates (lbs/hr)	Typical Rates (tons/year)

Operating and Equipment Requirements

Is the degreaser equipped with a drying tunnel, rotating (tumbling) basket, or other equipment sufficient to prevent cleaned parts from carrying out solvent liquid or vapor?

Yes No

Is the degreaser equipped with a device which shuts off the sump heat source if the amount of condenser coolant is not sufficient to maintain the designed vapor level?

Yes No

Is the degreaser equipped with a device which shuts off the spray pump or the conveyor if the vapor level drops more than 10 cm (4 in) below the bottom condenser coil?

Yes No

Is the degreaser equipped with a device which shuts off the sump heat source when the vapor level exceeds the design level? Yes No

Is the degreaser equipped with openings for entrances and exits that silhouette workloads so that the average clearance between the parts and the edge of the degreaser opening is less than 10 cm (4 inches), or less than 10 percent of the width of the opening?

Yes No

Is the degreaser equipped with downtime covers for closing off entrances and exits when the degreaser is shut down? Yes No

If the air/vapor interface is larger than 2.0 m² (21.6 ft²), is the degreaser equipped with a carbon adsorption system with ventilation greater than or equal to 15 m³/min per m² (50 ft³/min per ft²) of air/vapor area when downtime covers are open, and exhausting less than 25 ppm of solvent by volume averaged over a complete adsorption cycle? Yes No

If the air/vapor interface is larger than 2.0 m² (21.6 ft²), is the degreaser equipped with any other equipment or system of equivalent emission control as approved by the agency and further processed consistent with 35 IAC 218.108 or 219.108? (such equipment or system may include a refrigerated chillier?)

Yes No

If an exhaust ventilation is used that exceeds 20 m³/min per m² (65 ft³/min per ft²) of area of loading and unloading explain:

Are solvent carryout emissions minimized by racking parts for best drainage?

Yes No

Are solvent carryout emissions minimized by maintaining the vertical conveyor speed at less than 3.3 m/min (11 ft/min)?

Yes No

Are waste solvents stored in covered containers only? Yes No

Are waste solvents disposed of in such a manner that no more than 20% of the waste solvent (by weight) is allowed to evaporate into the atmosphere? Yes No
 Explain:

Are solvent leaks repaired immediately? Yes No

Is the solvent exiting from the water separator visually free of water? Yes No

Are downtime covers placed over entrances and exits of conveyORIZED degreasers immediately after the conveyors and exhausts are shut down and not removed until just before start-up? Yes No

Testing, Monitoring, Recordkeeping, and Reporting

List the parameters that relate to air emissions for which records are being maintained to determine fees, rule applicability or compliance:

Operating Parameter to be monitored (e.g. flow rate)			
Method of measurement			
Unit of measurement			
The monitoring frequency			
Description of the location of each monitor (e.g., in stack monitor 3 feet from exit)			
Verification procedures to confirm the operational status of the monitoring			
Method of Recordkeeping (e.g. data logger, manual readings)			

If each monitor is not operated at all times the equipment is in operation, explain:

Provide information on the most recent tests, if any. If additional space is needed, attach and label as Exhibit 366-3:

Test Date	Test Method	Testing Company	Operating Conditions	Summary of Results

Describe all reporting requirements and provide the title and frequency of report submittals to the Agency:

Emission Information

Provide the controlled emissions (e.g. the emissions that would result after all control and capture efficacies are accounted for).

Name of Regulated Air Pollutant	Example: Particulate Matter			
Typical Emission Rate (lbs/hr)	4.00			
Maximum Emission Rate (lbs/hr)	5.00			
Typical Emission Rate (ton/year)	14.4			
Maximum Emission Rate (ton/year)	21.9			
Typical Emission Rate Other Terms (ppm, gr/dscf, etc.) _____	0.24 gr/dscf			
Maximum Emission Rate Other Terms (ppm, gr/dscf, etc.) _____	0.3 gr/dscf			
Applicable Rule	35 IAC 212.321			

Hazardous Air Pollutant Emission Information

Provide the controlled HAP emissions (e.g. the emissions that would result after all control and capture efficacies are accounted for).

Name of HAP Emitted	Example: Benzene			
Chemical Abstract Service (CAS) Number	71432			
Typical Emission Rate (lbs/hr)	8.0			
Maximum Emission Rate (lbs/hr)	10.0			
Typical Emission Rate (ton/year)	0.8			
Maximum Emission Rate (ton/year):	1.2			
Typical Emission Rate Other Terms (ppm, gr/dscf, etc.) _____				
Maximum Emission Rate Other Terms (ppm, gr/dscf, etc.) _____				
Applicable Rule	40 CFR 61.302(b), (d)			

Exhaust Point Information

This section should not be completed if emissions are exhausted through air pollution control equipment (form 260-CAAPP and the appropriate 260-CAAPP addendum form must be completed for each item of air pollution control equipment).

Flow Diagram Designation of Exhaust Point: _____

Description of exhaust point (stack, vent, indoors, etc.): _____

If the exhaust point discharges indoors, do not complete the remaining items.

Distance to Nearest Plant Boundary from Exhaust Point Discharge (ft): _____

Discharge Height Above Grade (ft): _____

Good Engineering Practice (GEP) Height, If Known (ft): _____

Diameter of Exhaust Point (ft): _____

For a non-circular exhaust point, the diameter is 1.128 times the square root of the area.

Parameter	Maximum	Typical
Exit Gas Flow Rate (acfm)		
Exit Gas Temperature (degree Fahrenheit)		

Direction of exhaust (vertical, lateral, downward): _____

List all emission units and control devices served by this exhaust point:

Name	Flow Diagram Designation

The following information need only be supplied if readily available.

Latitude: _____

Longitude: _____

UTM Zone: _____

UTM Vertical (KM): _____

UTM Horizontal (KM): _____