



# FACT SHEET

## R307-335 Degreasing and Solvent Cleaning Operations

### Overview

The Utah Division of Air Quality, R307-335, was adopted as part of a package of rules designed to help minimize pollution along the Wasatch Front. The rule applies to all degreasing or solvent cleaning operations that use Volatile Organic Compounds (VOC) and that are located in Box Elder, Cache, Davis, Salt Lake, Tooele, Utah and Weber counties.

### Requirements

#### ***For Cold Cleaning Facilities***

- An installed cover that remains closed, except during actual loading, unloading or handling.
- An internal draining rack for cleaned parts.
- Storage of waste or used solvent in covered containers.
- Maintaining tanks, containers and all associated equipment in good operating condition.
- Posted O&M procedures in an accessible and conspicuous location near the degreasing or solvent cleaning equipment.
- Use of control devices if the solvent volatility is greater than 4.3 kPa (33 mm Hg or 0.6 psi) measured at 38 degrees C (100 degrees F), or if solvent is heated above 50 degrees C (120 degrees F).
- Any solvent spray used must be a solid fluid stream at a pressure that does not cause excessive splashing. Fine, atomized or shower type sprays are not allowed.

#### ***For Open Top Vapor Degreasers***

In addition to the Cold Cleaning Facilities requirements:

- A cover that can be opened and closed without disturbing the vapor zone.
- A control device.
- Safety switches.
- Minimal solvent carryout.
- Spray parts only in or below the vapor level.
- No ventilation fans near the degreaser opening.
- No degreasing porous or absorbent materials, such as cloth, leather, wood or rope.
- No workloads that occupy more than half of the open top area.
- No solvent visually detectable in water exiting the water separator.

Utah Division of Air Quality

December 2015

#### Contact

(801) 536-4000

General Air Quality information, regulations, and contact information: <http://www.airquality.utah.gov>

This fact sheet provides general information concerning the the Degreasing and Solvent Cleaning Operations rule. See <http://www.rules.utah.gov/publicat/cod/e/r307/r307-335.htm> for the entire rule.

#### DEQ Social Media

##### Blog

[dequtah.blogspot.com](http://dequtah.blogspot.com)

##### Facebook

[facebook.com/udeq](https://www.facebook.com/udeq)

##### Twitter

[twitter.com/UtahDEQ](https://twitter.com/UtahDEQ)

### ***For Conveyorized Degreasers***

- Control devices with an air/vapor interface equal to or greater than two square meters (21.5 square feet).
- Equipment, such as a drying tunnel or rotating (tumbling) basket, sufficient to prevent cleaned parts from carrying out solvent liquid or vapor.
- Downtime covers for closing off the entrance and exit during shutdown hours.
- Racking parts for best drainage.
- Maintaining the vertical conveyor speed at less than 3.3 meters per minute (11 feet per minute).
- Minimize openings.
- Install safety switches.
- No solvent visibly detectable in the water exiting the water separator.

### ***For Industrial Solvent Cleaning***

- Operations with a daily emission of 15 pounds or more of VOCs must reduce emissions from the use, handling, storage, and disposal of cleaning solvents and shop towels by:
  - Using solvents with a VOC limit in Table 1; or
  - Installing an emission control system designed to have an overall capture and control efficiency of at least 85%.

Table 1

<b>Solvent Cleaning Category</b>	<b>VOC Limit (lb/gal)</b>
Coatings, adhesives and ink manufacturing	4.2
Electronic parts and components	4.2
General miscellaneous cleaning	2.5
Medical devices and pharmaceutical Tools, equipment and machinery	6.7
General surface cleaning	5.0
Screening printing operations	4.2
Semiconductor tools, maintenance and equipment cleaning	6.7

- The following operations are exempt: aerospace, wood furniture, shipbuilding and repair, flat wood paneling, large appliance, metal furniture, paper film and foil, plastic parts, miscellaneous metal parts coatings and light autobody and truck assembly coatings, flexible packaging, lithographic and letterpress printing materials, fiberglass boat manufacturing materials, and operations that are exclusively covered by Department of Defense military.

### ***For Add-on Emission Control Systems Operations***

- Continuous emission reduction from the source during all periods that the operations cause emissions from the source.
- EPA-approved methods to determine overall capture and control efficiency.
- Documentation:
- Emission control system attains R307-335-7(2)(c)(ii) requirements.
- Records of key system parameters including temperature, pressure and flow rates.
- Operator inspection schedule, monitoring, recordkeeping, and key parameters in accordance with the manufacturer's recommendations and as required to demonstrate continuous emission reduction during all operational periods.

### **Recordkeeping**

You are required to maintain records of the solvent VOC content applied and the physical characteristics that demonstrate compliance with R307-335-7(2).

