



FACT SHEET

R307-344 Paper, Film and Foil Coatings

Overview

The Utah Division of Air Quality, R307-344, was adopted as part of a package of rules designed to help minimize pollution along the Wasatch Front. The rule applies to paper, film, and foil coating operations in Box Elder, Cache, Davis, Salt Lake, Tooele, Utah and Weber counties. The rule is designed to limit volatile organic compound (VOC) emissions from operations that have the potential to emit 2.7 tons per year or more of VOC, including related cleaning activities.

Requirements

You have the option of either limiting the amount of VOC coatings applied or limiting VOCs by using a add on control system. Work practices to be followed are also outlined.

VOC Content Limits

Paper, Film, and Foil Coating Limitations values in pounds VOC per pound of coating, minus water and exempt solvents, as applied

COATING CATEGORY	VOC EMISSION RATES
Paper, film and foil	0.08
Pressure sensitive tape and label	0.067

Add-On Controls Systems

An incinerator, carbon adsorption, or any other add-on emission control system operated and maintained:

- In accordance with the manufacturer recommendations.
- To achieve and maintain at least 90% capture and control efficiency.

Continuous emission reduction during all operational periods.

Document:

- Rule requirements are attained.
- Records of key system parameters are maintained, including;
- temperature, pressure and flow rates and operator inspection schedule.
- Monitoring and recordkeeping, as required by rule.

Utah Division of Air Quality

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

This fact sheet provides general information concerning the Paper, Film and Foil Coatings rule. See <http://www.rules.utah.gov/publicat/cod e/r307/r307-344.htm> for the entire rule.

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Work Practices to be Followed

Control techniques including:

- Store all VOC-containing coatings, thinners, and cleaning materials in closed containers;
- Minimize spills; clean up immediately;
- Convey any coatings, thinners, and cleaning materials in closed containers or pipes;
- Close mixing vessels and other materials except when specifically in use; and
- Minimize usage of solvents during cleaning of storage, mixing, and conveying equipment.

Coating application method:

- Achieve a minimum of 65% transfer efficiency.
- The following applications achieve this requirement:
 - Flow coater;
 - Roll coater;
 - Dip coater;
 - Foam coater
 - Hand application methods;
 - High-volume, low-pressure (HVLP) spray
 - Other methods may be used if the transfer efficiency is met.
 - Operated in accordance with the manufacturers specifications:

Solvent cleaning operations:

- Cleaning material with VOC content of 0.21 pounds per gallon or less.
- Excluding compounds not classified as VOC.

Record Keeping

Maintain records, for a minimum of two years, demonstrating compliance.

