

June 2004

FACT SHEET For ORGANIC SOLVENT CLEANING AND DEGREASING OPERATIONS

This fact sheet has been written to advise those facilities that have organic solvent cleaning and degreasing operations of rule changes that may affect their operation. On December 13, 2003, the Placer County Board of Directors amended Rule 216, <u>Organic Solvent Cleaning And Degreasing Operations</u>. The effective date for the new provisions is December 13, 2004 - 12 months from the date the amended rule was adopted.

Rule 216, <u>Organic Solvent Cleaning And Degreasing Operations</u>, regulates solvent cleaning operations that are used in the production, repair, maintenance or servicing of parts, products, tools, machinery or equipment, and storage and disposal of Volatile Organic Compound (VOC) containing materials used in solvent cleaning operations. Degreasers (also known as part cleaners) are widely used by automotive repair shops, manufacturing operations, small printing shops, electric and electronic components repair and manufacturing facilities, and miscellaneous repair and maintenance operations. This rule is applicable to operations in all of Placer County.

New and lower VOC limits were set for solvent cleaning activities. These lower limits are consistent with the limits currently in place in Sacramento and other jurisdictions in the state and are proven to be feasible. Partial or complete exemptions are allowed in numerous cases as listed in Section 104 of the rule.

This rule regulates VOC emissions from solvent degreasing operations. The amended rule:

- Requires non-vapor degreasing operations (also referred to as cold degreasing) to be preformed using cleanup material that contains no more than 50 grams per liter of VOCs.
- Uses an air pollution control device or airtight/airless cleaning system as an alternative to complying with the 50 grams per liter VOC limit.
- Increases the required freeboard ratio for vapor degreasers from 0.75 to 1.0.
- Adds new control requirements for vapor degreasers, and operating requirements applicable to remote reservoir cleaners.

EXEMPTIONS:

A number of exemptions were also adopted including:

• Solvent degreasing operations using exempt compounds mixed with volatile organic compounds provided where the mixture does not contain more than two (2) percent volatile organic compounds by weight.

- Non-vapor degreasers which have an air-solvent interface area less than or equal to 1.0 ft², except
 for the requirements that cleaners shall be covered when work is not being processed, or to
 remote reservoir degreasers using a non-volatile solvent spray which is drained into the remote
 reservoir concurrently with the degreasing operation.
- Non-vapor degreasers which use solvents that contain 50 grams per liter or less VOCs including water and exempt compounds.
- Open-top vapor degreasers where solvent flow is kept at least 4 inches below the air-vapor interface and liquid solvent does not splash above the air-vapor interface.
- Solvent degreasing operations that are subject to the NESHAP requirements of 40 CFR Part 63
 Subpart T Halogenated Solvents Emissions from Solvent Cleaning.
- Allows the use of solvents with VOC content higher than 50 grams per liter for degreasing of
 electronic components and other components which require higher VOC solvents if the solvents
 comply with the VOC limits in Rule 240 Surface Preparation and Cleanup.
- Products subject to the California Air Resources Board Consumer Products Regulations as set forth in Subchapter 8.5, Article 2, Section 94507-94517 of Title 17 of the California Code of Regulations.
- Wipe cleaning where the requirements are specified in Rule 240, <u>Surface Preparation And Cleanup</u>.

RECORDKEEPING:

Additionally the recordkeeping requirements were expanded due to the increased number and type of materials in the rule.

- Maintain a list of materials including the cleaning material type by name/code/manufacturer, the VOC content including water and exempt compounds, and the mixing ratio as applied.
- <u>Monthly</u> records, for cleaning materials usage, must be updated and maintained listing the total
 applied volume in gallons for each cleaning material used, solvent cleaning activity with each
 solvent used and records of waste solvent or residue removal from the facility for disposal.
- <u>Daily</u> records, for those using emission control equipment, must be kept on key operating
 parameters including hours of operation, and routine and non-routine maintenance, in addition to
 records required as part of the Operation and Maintenance Plan and records of testing.

For further information, Rule 216, <u>Organic Solvent Cleaning And Degreasing Operations</u> is available on the District's website at www.placer.ca.gov/apcd or feel free to contact District staff at 530-889-7130.