

TITLE 326 AIR POLLUTION CONTROL DIVISION

Rule Information Sheet

Cold Cleaning Degreasing Alternative
LSA Document #18-542

Overview

Cold cleaning is one of four types of degreasing operations in which industrial sources dip or spray machinery parts with a solvent. Emissions of volatile organic compounds (VOC) occur as a result of evaporation from the storing and handling of fresh and spent solvents. VOCs contribute to the formation of ground level ozone under certain situations, and can be hazardous to the health of certain vulnerable populations like the young or elderly, as well as those with existing respiratory problems. The United States Environmental Protection Agency (U.S. EPA) regulates VOC emissions to reduce ozone levels in order to maintain compliance with ground level ozone standards under the National Ambient Air Quality Standards at 40 CFR 50. The Indiana Department of Environmental Management (IDEM) intends to submit these amendments to U.S. EPA for approval into the Indiana State Implementation Plan.

Indiana's current state rule at 326 IAC 8-3-8 requires sources operating cold cleaner degreasers to utilize a low vapor pressure solvent for cleaning or degreasing machine parts. The current rule does not provide an option for sources to use a higher vapor pressure solvent with a control device as an alternative to using a low vapor pressure solvent. However, low vapor pressure solvents do not clean well in certain situations, such as the printing industry, and require duplication of the cleaning process. They may also contaminate print ink, cause loss of product, and produce large amounts of hazardous waste.

Therefore, IDEM is proposing to amend 326 IAC 8-3-1, 326 IAC 8-3-2, 326 IAC 8-3-3, 326 IAC 8-3-4, and 326 IAC 8-3-8 to allow for the use of an add-on control device for solvents with a higher vapor pressure, in order to control emissions from cold cleaning degreasing activities for users currently required to use a low vapor pressure solvent to comply with the state rule. Additional changes to the rule language include updating language in each section to ensure rule clarity and consistency, and exempting spray gun cleaners in 326 IAC 8-3-1 from the control equipment, operating, and material requirements of cold cleaner degreasers. Spray gun cleaners are not considered to be cold cleaner degreasers because they are a flushing system that are not used to clean parts and are not immersed in solvent.

Affected Persons

Sources that operate cold cleaning degreasers in Indiana.

Reasons for the Rule

This rulemaking is a state-only update that is consistent with federal regulations and allows sources that would otherwise be required to utilize a low vapor pressure solvent for cleaning and

degreasing machine parts to utilize an add-on control device for solvents with a higher vapor pressure.

Economic Impact of the Rule

There is a positive economic impact associated with this rulemaking. Allowing sources to use a higher vapor pressure solvent with a control device would enable them to clean parts more quickly and efficiently, which would reduce operating costs and help them to remain competitive with businesses from other states.

Scheduled Board Action and Hearings*

First Public Hearing: January 8, 2020, at 1:30 p.m., at the Indiana Government Center South, 10 North Senate Avenue, Conference Center Room A, Indianapolis, IN 46204.

IDEM Contact

Additional information regarding this rulemaking action can be obtained from Keelyn Walsh, Rules Development Branch, Office of Legal Counsel, (317) 232-8229, (800) 451-6027 (in Indiana), or kwalsh@idem.in.gov.