

6.3 WIPE CLEANING OPERATION

by M.K. Carol Lee
February 8, 2007

Process Description

Wipe Cleaning is defined in [Regulation 8-16-232](#) as that method of cleaning which utilizes a material such as a rag wetted with a solvent, coupled with a physical rubbing process to remove contaminants from surfaces. Any wipe cleaning operation, which uses 20 or more gallons per year of solvent and having emissions greater than 150 pounds per year, is subject to permitting requirements, per [Regulation 2-1-118.9](#). Wipe cleaning operations may be combined together as one facility-wide source or other convenient groupings per [Regulation 2-1-401.4](#).

Wipe cleaning operations that are associated with coating sources (i.e., cleaning of coating application equipment or cleaning of surfaces prior to their coating) are to be permitted, as part of a coating operation and this permit chapter does not apply -- See [Spray Booths & Spray Guns](#).

Completeness Determination

The following District forms should be completed and fees provided for the wipe cleaning operation. Use the [Completeness Determination Checklist](#) to verify completeness. Use the [Data Form Guidance](#) to ensure that the forms are completed correctly. Use the [Fee Calculation Guidance](#) to ensure that the fees are calculated accurately.

1. [Form 101-B](#) (one for facility).
2. [Form S](#) (one per source).
3. [Form SC](#) (one per source).
4. Material Safety Data Sheet for each solvent used, if it is a mixture of compounds.
5. If wipe cleaning operation exhausts into add-on abatement device, [Form A](#) (one per device).
6. If Health Risk Screening is triggered, [Form HRSA](#) (one per source).
7. Fees, calculated per [Regulation 3 \(Schedule E\)](#).

Emission Calculations

Any organic solvents used for wipe cleaning are assumed to be 100 percent volatile and emitted into the atmosphere. Annual emissions are calculated by multiplying the annual gross solvent usage by the density of the organic solvent.

Applicable Requirements

District Rules and Regulations

Wipe cleaning operations are subject to the storage and disposal requirements of [Regulation 8-1-320, 321, and 322](#) and the recordkeeping requirements of [Regulation 8-16-501](#) and [Regulation 8-4-501](#). In addition, each wipe cleaning operation is subject to either 1) [Regulation 8-4-302.1](#) (≤ 5 TPY/source) OR 2) [Regulation 8-4-302.2](#) (85% overall control) AND 3) the evaporative loss minimization requirements of [Regulation 8-4-312](#). Moreover, wipe cleaning operations for 1) the cleaning of surfaces prior to Regulation 8-4 coating operations OR 2) further treatment, sale, or intended use are subject to the VOC standards of [Regulation 8-4-313](#), unless specifically exempt by [Regulation 8-4-116](#). The District permit evaluator should ensure that the applicant is exempt per Regulation 8-4-116 prior to approval of any wipe cleaning permit application.

Best Available Control Technology (BACT)

BACT for Wipe Cleaning is specified in the [BACT/TBACT Workbook](#). The following are applicable BACT requirements for:

- Wipe Cleaning
- [Wipe Cleaning Operation](#)
- [Solvent Reclamation](#)

Inform the [BACT Coordinator](#) of updates to the BACT/TBACT Workbook.

California Environmental Quality Act (CEQA)

Permit applications which are reviewed following the specific procedures, fixed standards and objective measurements set forth in this chapter (6.3) are classified as ministerial and will accordingly be exempt from CEQA review per [Regulation 2-1-311](#).

In addition to the above-mentioned source-specific applicable requirements, other requirements may also be applicable depending on the facility, its application emissions, and its source location:

- Offsets
- School Notification
- Prevention of Significant Deterioration
- Risk Screening Analysis

Permit Conditions

Standardized conditions for wipe cleaning operations are available from the [Permit Condition Guidance](#). Refer to the [Evaluation Report Template Guidance](#) to obtain the Microsoft Word formatted permit conditions for this source category.