

Federal Operating Permit Program (40 CFR Part 71)

EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES (EUD-2)

A. General Information

Emissions unit ID _____ Description _____

SIC Code (4-digit) _____ SCC Code _____

B. Emissions Unit Description

Equipment type _____ Temporary source: ___Yes ___No

Manufacturer _____ Model No. _____

Serial No. _____ Installation date ___/___/___

Articles being coated or degreased

Application method

Overspray (surface coating) (%) _____ Drying
method _____

No. of dryers _____ Tank capacity (degreasers) (gal) _____

C. Associated Air Pollution Control Equipment

Emissions unit ID _____ Device Type _____

Manufacturer _____ Model No _____

Serial No. _____ Installation date ___/___/___

Control efficiency (%) _____ Capture efficiency (%) _____

Air pollutant(s) controlled _____ Efficiency estimation method

D. Ambient Impact Assessment

This information must be completed by temporary sources or when ambient impact assessment is an applicable requirement for this emissions unit (this is not common).

| | |
|-------------------------------------|-------------------------------------|
| Stack height (ft) _____ | Inside stack diameter (ft) _____ |
| Stack temp (F) _____ | Design stack flow rate (ACFM) _____ |
| Actual stack flow rate (ACFM) _____ | Velocity (ft/sec) _____ |

E. VOC-containing Substance Data

List each VOC-containing substance consumed, processed or produced at the emissions unit that is emitted into the air. In the name column, if providing a brand name, include the name of the manufacture; if the substance contains HAP, list the constituent HAP.

| Substance Name (Chemical, Brand Name) | CAS No. | Substance Type | Actual Usage (gal/yr) | Max Usage (gal/day) | Max Usage (gal/year) | VOC Content (lb/gal) |
|--|---------|----------------|-----------------------|---------------------|----------------------|----------------------|
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INSTRUCTIONS FOR EUD-2 EMISSIONS UNIT DESCRIPTION FOR VOC EMITTING SOURCES

Use this form to describe emissions units that use, process, store or produce substances containing VOC and that primarily emit VOC, such as painting or coating operations and printers.

In addition, this form may also be useful for certain HAP emitting sources. The purpose of this form is to help you collect and organize technical data, including operational characteristics, applicable requirements, compliance terms, and emissions.

Section A - The emissions unit ID should be consistent with the one used in section I of form **GIS**. Enter the four-digit SIC code for the unit, which may be different from that used to describe the facility as a whole. In addition, enter the Source Classification Code (SCC), if known or available, but this is not mandatory.

Section B - There may be other information that the permitting authority will need to know that is not specifically requested on the forms and that should be included on attachments. Such information would include information needed to adequately identify the emissions unit and to determine its applicable requirements.

Section C - Identify and describe any associated air pollution control device for the unit described above. If data (such as control efficiency) provided by the vendor, attach documentation (if available); If other basis, indicate how determined (e.g., AP-42).

Section D - Complete this section only if ambient impact assessment is an applicable requirement or the facility is a temporary source. This is not common.

Section E - VOC content and usage values are typically used to calculate emissions. Actual usage will be multiplied by VOC content to calculate actual emissions, while maximum usage will be multiplied by VOC content to calculate PTE. Explain the basis for the usage and VOC content values on an attachment (e.g., material safety data sheet or MSDS). Also, EPA Reference Method 24 of 40 CFR Part 60, Appendix A, can also be used to determine VOC content but this is not required solely for these application purposes. When VOC Content is determined through testing or calculation by the applicant, the applicant must attach test data and calculations.