

San Diego APCD  
Emissions Inventory Request Form Instructions

**ETHYLENE OXIDE STERILIZATION**

Please refer to the general instructions for guidance regarding the following sections: Reporting Year, Facility Identification, Permit Information, Device Information, Stack / Ducted Emissions and Fugitive Release Emissions.

**MATERIAL/ PROCESS INFORMATION**

Fill in all the data fields. Complete all blanks using the specified units. Use a separate form to report each material used for each device. Copy the blank form as needed to report each material used. On forms with pre-printed process information from a previously submitted inventory, asterisks (\*) highlight data fields that must be updated.

**Sterilant Name:** The sterilant gas may be comprised of 100% ethylene oxide (EtO), or EtO mixed with a diluent gas. Please provide the name of the sterilant gas used at this facility.

**Sterilant Manufacturer:** Please provide the name of the manufacturer of the gas used.

**Annual Gas Usage (lbs/yr):** Report the total number of pounds of sterilant gas used.

**Gas Usage per Load (lbs/load):** Report the pounds of sterilant gas used for one load.

**Loads per Year (loads/yr):** Report the number of the loads conducted by each sterilizer during the reporting year.

**Material Information – Ethylene Oxide (wt %):** Report the weight percent of the EtO in the sterilant gas.

**Material Information – Diluent Gas Name:** Provide the name of the diluent gas(es) in the sterilant gas (i.e., carbon dioxide, chlorofluorocarbons, etc. ).

**Material Information – Diluent Gas (wt %):** Report the weight percent of the diluent gas in the sterilant gas.

**Device Operating Schedule:**

**Daily Operation (hours/day):** Report the average amount of hours the device operates in a typical day.

**Weekly Operation (days/week):** Report the average number of days the device operates in a typical week.

**Annual Operation (days/year):** Report the number of days the device operated during the Reporting Year.

**POLLUTANT NAME (lbs emitted/lb sterilant used)**

The District uses mass balance to determine the emissions factors in most cases. Control devices are assumed to meet Rule 1203 control efficiency requirements. Site-specific emission factors must incorporate the device control efficiency, be reported in units of pounds of pollutant released per pound of sterilant gas used, and include supporting documentation.

San Diego APCD  
Emissions Inventory Request Form  
ETHYLENE OXIDE STERILIZATION

REPORTING YEAR:

EIF ID : SITE RECORD ID :
------------------------------

--

PERMIT INFORMATION :

DEVICE INFORMATION :

STACK (DUCTED EMISSIONS)
Diameter (ft): Exhaust Gas Temperature (F): Exhaust Gas Flowrate (CFM): Height Above Ground (ft): Control Device Description: Capture Efficiency (%): Volatile Control Efficiency (%): Non-Volatile Control Efficiency (%):

RELEASE (FUGITIVE EMISSIONS)
Emission Control Method: Volatile Control Efficiency (%): Non-Volatile Control Efficiency (%): Additional Information: Capture Efficiency (%):

MATERIAL/PROCESS INFORMATION
Sterilant Name: Sterilant Manufacturer: Annual Gas Usage (lbs/year): Gas Usage per Load(lbs/load): Loads per Year (loads/yr): Material Information: - Percent Ethylene Oxide (wt %): - Diluent Gas Name: - Percent Diluent Gas (wt %): Device Operating Schedule: - Daily Operation (hours/day): - Weekly Operation (days/week): - Annual Operation (days/year):

POLLUTANT NAME	lbs emitted/lbs sterilant used

EIF ID: , SITE RECORD ID: , PERMIT: , DEVICE:

Prepared By: \_\_\_\_\_

Date: \_\_\_\_\_