

Air Emissions Source Operating Information*

Enter a unique unit identification (ID) number, which will be used to identify these specific emissions throughout the emissions calculation procedure.

| | |
|-----------------------|--|
| Unit ID Number | Unit Description: Include model or serial number, horsepower, etc. as applicable. Please list EACH operating unit individually. |
| | |

Annual Operating Rate. Enter the applicable 8-digit Source Classification Code(s) (SCC) for this process or operation. In some cases, a Process ID number will be necessary as an additional identifier. Enter the annual operating rate and the units of measurement of the annual operating rate.

| Unit # | Process # | Annual Operating Rate | Process Description | Units of Measurement of Annual Operating Rate | Internal Use Only |
|--------|-----------|-----------------------|---------------------|---|-------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

* This form is not necessary for units reported in the CAP or HAP emission inventory.

Emission Factor Method Calculation Form

This worksheet is for Greenhouse Gas emissions using emission factors. If you are not using emission factors to calculate emissions, skip this worksheet.

Enter the unit ID and process ID.

| | |
|---------------|--|
| Unit # | |
|---------------|--|

| | |
|---------------------|--|
| Process ID # | |
|---------------------|--|

For all pollutants that apply in column A, enter the source of the emission factor in column B and the emission factor in column C. Each emission factor should be in units of pounds per unit of measurement. Transfer the operating rate from worksheet 1 to column D. Multiply column C by column D to obtain uncontrolled emissions in units of pounds for each applicable pollutant; enter the emissions in column E. Divide emissions in pounds by 2,000 to obtain emissions in tons, and enter the result in column F. Multiply the carbon dioxide equivalent multiplier by the emissions in column F and enter the result in column H.

| Column A | Column B | Column C | Column D | Column E E = C x D | Column F F = E/2,000 | Column G | Column H H = F x G | Internal Use Only |
|--------------------|---|---|--|-----------------------|-------------------------|--------------------------------------|----------------------------|-------------------|
| Criteria Pollutant | Emission Factor Origin (If use AP-42 list table number) | Emission Factor (lbs per unit of measurement) | Operating Rate (in units of measurement) | Emissions (lbs) | Emissions (tons) | Carbon Dioxide Equivalent Multiplier | Estimated Emissions (tons) | Internal Use Only |
| CO ₂ | | | | | | 1 | | |
| CH ₄ | | | | | | 21 | | |
| N ₂ O | | | | | | 310 | | |
| HFC _s | | | | | | | | |
| PFC _s | | | | | | | | |
| SF ₆ | | | | | | 23,900 | | |

Material Balance Method Calculation Form

Enter the point ID, SCC ID and stack ID numbers from worksheet 1.

| | |
|------------------------|--|
| Point ID Number | |
|------------------------|--|

| | |
|----------------------|--|
| SCC ID Number | |
|----------------------|--|

| | |
|------------------------|--|
| Stack ID Number | |
|------------------------|--|

Enter the total quantity of pollutant that enters the process or operation (Q_{added}) in column B. Enter the total quantity of pollutant that becomes an integral part of the product (Q_{consumed}) in column C. In column D, enter the total quantity of the pollutant recovered for reuse (Q_{recovered}). Subtract Q_{consumed} and Q_{recovered} from Q_{added} to obtain the emissions in pounds, and enter the result in column E. Divide the emissions in pounds by 2,000 to obtain the emissions in tons, and enter in column F. Multiply the carbon dioxide equivalent multiplier by the emissions in column F and enter the result in column H.

| Column A | Column B | Column C | Column D | Column E <small>E = B - C - D</small> | Column F <small>F = E/2,000</small> | Column G | Column H <small>H = F x G</small> |
|--------------------|--------------------------|-----------------------------|------------------------------|--|--|--------------------------------------|--------------------------------------|
| Criteria Pollutant | Q _{added} (lbs) | Q _{consumed} (lbs) | Q _{recovered} (lbs) | Emissions (lbs) | Emissions (tons) | Carbon Dioxide Equivalent Multiplier | Estimated Emissions (tons) |
| CO ₂ | | | | | | 1 | |
| CH ₄ | | | | | | 21 | |
| N ₂ O | | | | | | 310 | |
| HFC _s | | | | | | | |
| HFCS | | | | | | | |
| SF ₆ | | | | | | 23,900 | |