

## Emissions Inventory EXAMPLE: Roofing Asphalt

(You may use this form for reporting.)

### General Process Form 2015

Permit number(s) \_\_\_\_\_

Place an X in any gray cell to mark data requested to be held confidential. See Instructions for requirements for information to be deemed confidential.

1- Process ID \_\_\_\_\_

2- Process Type/Description: Asphalt used for roofing

3- Stack ID(s) (only if required on Stack Form) NA

4- Process TIER Code: 080602 SOLVENT USE: NONINDUSTRIAL - OTHER ASPHALT

5- SCC Code 49099999 (8 digit number) PETROLEUM SOLVENT EVAP.: ORGANIC SOLVENT - MISC. VOC EVAP.

6- Seasonal Throughput Percent: Dec-Feb \_\_\_\_\_% Mar-May \_\_\_\_\_% Jun-Aug \_\_\_\_\_% Sep-Nov \_\_\_\_\_%

7- Normal Operating Schedule: Hours/Day \_\_\_\_\_ Days/Week \_\_\_\_\_ Hours/Year \_\_\_\_\_ Weeks/Year \_\_\_\_\_

8- Typical Hours of Operation (military time) Start \_\_\_\_\_ End \_\_\_\_\_

9- Emissions based on (name of material or other parameter) (e.g. "rock", "diesel", "vehicle miles traveled") roofing asphalt

10-  Used (input) or  Produced (output) or  Existing (e.g. VMT, acres)

11- Annual Amount (a number) \_\_\_\_\_ 12- Fuel Sulfur Content (in percent) \_\_\_\_\_

13- Unit of Measure (for example: tons, gallons, 1000 cu ft, acres, units produced, etc.) tons

14- Unit Conversion Factor (if needed to convert Unit of Measure to correlate with Emission Factor Unit) \_\_\_\_\_

| Emission Factor (EF) Information |                               |                               |                          |                          | Control Device Information |                           |                             |                                |                             | 25                         |
|----------------------------------|-------------------------------|-------------------------------|--------------------------|--------------------------|----------------------------|---------------------------|-----------------------------|--------------------------------|-----------------------------|----------------------------|
| 15                               | 16                            | 17                            | 18                       | 19                       | 20                         | 21                        | 22                          | 23                             | 24                          |                            |
| Pollutant                        | Emission Factor (EF) (number) | Emission Factor Unit (lb per) | Controlled EF? Yes or No | Calculation Method Code* | Capture% Efficiency        | Primary Control Device ID | Secondary Control Device ID | Control Device(s) % Efficiency | Efficiency Reference Code** | Estimated Actual Emissions |
| VOC                              | 6.2                           | ton                           | No                       | 5                        |                            |                           |                             |                                |                             | lb                         |
|                                  |                               |                               |                          |                          |                            |                           |                             |                                |                             |                            |
|                                  |                               |                               |                          |                          |                            |                           |                             |                                |                             |                            |
|                                  |                               |                               |                          |                          |                            |                           |                             |                                |                             |                            |

**How to calculate emissions:** Multiply line #11 x column #16=column #25, Estimated emissions.

**Example:** 100 tons of asphalt x 6.2 lb/ton = 620 lb of VOC emissions

**\*Calculation Method Codes**

- 1 = Continuous Emissions Monitoring Measurements
- 2 = Best Guess/ Engineering Judgment
- 3 = Material Balance
- 4 = Source Test Measurements (Stack Test)
- 5 = AP-42/ FIRE Method or Emission Factor

- 6 = State or Local Agency Emission Factor
- 7 =Manufacturer Specifications
- 8 =Site-Specific Emission Factor
- 9 =Vendor Emission Factor
- 10 =Trade Group Emission Factor

**\*\*Control Efficiency Reference Codes**

- 1 = Tested efficiency / EPA reference method
- 2 = Tested efficiency / other source test method
- 3 = Design value from manufacturer
- 4 = Best guess / engineering estimate
- 5 = Calculated, based on material balance
- 6 = Estimated, based on a published value