

Emissions Inventory EXAMPLE: Roofing Asphalt (You may use this form for reporting.)

General Process Form 2018

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						
15	16	17	18	19	20	21	22	23	24	25
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 × column #16=column #25, Estimated emissions.

Example: 100 tons of asphalt × 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