

FORM INV-2 EMISSION POINT DESCRIPTION

1. Company/Facility Name		ACME CORPORATION			2. Form INV-2 Page		1	of	1	
3. Release Point Identifier		EP-001								
4. Is this release point used as an emergency bypass stack?					No	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>		
If YES, for which release point(s)? List release point identifiers:										
5. Release Point Type										
Downward-facing Vent	<input type="checkbox"/>		Indoor Vented	<input type="checkbox"/>						
Fugitive (specify)	<input type="checkbox"/>		Vertical	<input type="checkbox"/>						
Goose Neck	<input type="checkbox"/>		Vertical with Rain Cap	<input checked="" type="checkbox"/>						
Horizontal	<input type="checkbox"/>									
6. Release Point Description		BOILER STACK								
7. Operating Status		Operating	<input checked="" type="checkbox"/>	Permanently Shutdown	<input type="checkbox"/>	Temporarily Shutdown	<input type="checkbox"/>			
8. Operating Status Date (Please enter the date the shutdown occurred. The status date should be blank if the status above was entered as operating.)										
9. Stack Height Above Ground		35	feet							
10. Stack Shape and Dimensions: (interior dimensions at exit point)										
Circular Diameter:		<input checked="" type="checkbox"/>	2	feet						
Rectangular Dimensions:		<input type="checkbox"/>		feet	x		feet			
Composition Of Exhaust Stream										
Exhaust Stream Characteristics		Release Point Composition of Exhaust Stream			Units of Measure					
11. Temperature		350			Degree Fahrenheit					
12. Flow Rate		6,100			<input checked="" type="checkbox"/> ACFM <input type="checkbox"/> SCFM					
13. Bypass Stacks										
Bypass Stack – Release Point Identifier										
Bypass Stack Description										
Bypass Stack – Release Point Identifier										
Bypass Stack Description										
14. List of Emission Unit Identifiers Venting Through This Release Point Identifier										
Emission Unit Identifier	Emission Unit Identifier	Emission Unit Identifier	Emission Unit Identifier							
EU-001										

**FORM INV-4 PROCESS DESCRIPTION - ACTUAL EMISSIONS**

1. Company/Facility Name		ACME CORPORATION			2. Form INV-4 Page		1	of	1
3. Release Point Identifier		EP-001							
4. Release Point Description		BOILER STACK							
5. Emission Year		2017							
6. Emission Unit Identifier		EU-001							
7. SCC Number		10200502							
8. Description of Process		FUEL OIL COMBUST							
<b>Annual Throughput</b>									
9. Annual Throughput		5							
10. <u>Throughput Unit of Measure</u>		1,000 GALLONS							
11. Throughput Type (Input, Output, or Existing)		I							
12. <u>Throughput Material</u>		FUEL OIL							
<b>Actual Operating Rate/Schedule</b>									
13. Average Hours/Day		24							
14. Average Days/Week		7							
15. Average Weeks/Year		38							
16. Actual Hours For Year		6,384							
<b>Seasonal Operations</b>									
17. January, February & December (%)		35							
18. March, April & May (%)		21.7							
19. June, July & August (%)		15							
20. September, October & November (%)		28.3							
<b>Associated Control Devices</b>									
21. Control Device Identifier									
22. Control Device Description									
23. Control Device Identifier									
24. Control Device Description									
<b>ACTUAL EMISSIONS</b>									
25. Air Pollutant	26. Emission Factor	27. Emission Factor Units of Measure	28. Source of Emission Factor	29. Ash or Sulfur %	30. Combined Control Efficiency	31. Transfer Efficiency	32. Actual Estimated Emissions (Tons)		
PM-2.5	1.55	LBS/1000GAL	WEBFIRE				0.00		
PM-10	2.3	LBS/1000GAL	WEBFIRE				0.01		
SO <sub>2</sub>	142	LBS/1000GAL	WEBFIRE	0.4			0.14		
NOX	20	LBS/1000GAL	WEBFIRE				0.05		
VOC	0.2	LBS/1000GAL	WEBFIRE				0.00		
CO	5	LBS/1000GAL	WEBFIRE				0.01		
Lead									
Ammonia	0.8	LBS/1000GAL	WEBFIRE				0.00		

**ACTUAL EMISSIONS – Individual HAPs and additional regulated air pollutants – list each individual pollutant name in Column 25**


**\*Calculation Methods: CEMS – Engineering Judgment – Manufacturer’s Specification – Material Balance – Other (Specify) – State or Local Speciation Profile – Site Specific – Stack Test – Trade Group – US EPA - Vendor**

**FORM INV-5 CALCULATIONS**

<b>1. Company/Facility Name</b>	ACME CORPORATION	<b>2. Form INV-5 Page</b>	1	<b>of</b>	1																
<b>3. Release Point Identifier</b>	EP-001																				
<b>4. Emission Unit Identifier</b>	EU-001																				
<b>5. SCC Number:</b>	10200502																				
<b>Calculations are provided in support of information reported on Form INV – 4 for the SCC Number listed above.</b>																					
<b>6. Emissions Calculations</b>																					
PROCESS: FUEL OIL COMBUSTION																					
FUEL: FUEL OIL																					
ACTUAL THROUGHPUT: 5 1,000 GALLONS																					
<table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">POLLUTANT</td> <td style="width: 75%;">EMISSION FACTORS FROM AP-42 (SCC NUMBER 10200502)</td> </tr> <tr> <td>PM-2.5</td> <td>1.55 LBS PER 1,000 GALLONS BURNED</td> </tr> <tr> <td>PM-10</td> <td>2.3 LBS PER 1,000 GALLONS BURNED</td> </tr> <tr> <td>SO2</td> <td>142S (S = 0.4) LBS PER 1,000 GALLONS BURNED</td> </tr> <tr> <td>NOX</td> <td>20 LBS PER 1,000 GALLONS BURNED</td> </tr> <tr> <td>VOC</td> <td>0.2 LBS PER 1,000 GALLONS BURNED</td> </tr> <tr> <td>CO</td> <td>5 LBS PER 1,000 GALLONS BURNED</td> </tr> <tr> <td>NH3</td> <td>0.8 LBS PER 1,000 GALLONS BURNED</td> </tr> </table>						POLLUTANT	EMISSION FACTORS FROM AP-42 (SCC NUMBER 10200502)	PM-2.5	1.55 LBS PER 1,000 GALLONS BURNED	PM-10	2.3 LBS PER 1,000 GALLONS BURNED	SO2	142S (S = 0.4) LBS PER 1,000 GALLONS BURNED	NOX	20 LBS PER 1,000 GALLONS BURNED	VOC	0.2 LBS PER 1,000 GALLONS BURNED	CO	5 LBS PER 1,000 GALLONS BURNED	NH3	0.8 LBS PER 1,000 GALLONS BURNED
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ACTUAL PM-2.5 TONS																					
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