## Source Category

<table>
<thead>
<tr>
<th>Source:</th>
<th>Revision:</th>
<th>Document #:</th>
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<tbody>
<tr>
<td>Heater - Refinery Process, Forced Draft</td>
<td>3</td>
<td>94.2.1</td>
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<td>Class:</td>
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<tr>
<td>5 MMBtu/hr to &lt;50 MMBtu/hr Heat Input</td>
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<td>Date:</td>
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<td>08/12/94</td>
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## Determination

<table>
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<tr>
<th>POLLUTANT</th>
<th>BACT</th>
<th>TYPICAL TECHNOLOGY</th>
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<tbody>
<tr>
<td></td>
<td>1. Technologically Feasible/ Cost Effective</td>
<td>1. n/d</td>
</tr>
<tr>
<td></td>
<td>2. Achieved in Practice</td>
<td>2. Good Combustion Practice&lt;sup&gt;a&lt;/sup&gt;</td>
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</tbody>
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### POC

1. n/d
2. n/s

### NOx

1. 10 ppmv @ 3% O<sub>2</sub> Dry<sup>a,b,c,e</sup>
2. 20 ppmv @ 3% O<sub>2</sub> Dry<sup>a,b,e</sup>

1. Selective Catalytic Reduction (SCR) + Low NO<sub>x</sub> Burners<sup>a,b,c</sup>
2. Low NO<sub>x</sub> Burners; + Flue Gas Recirculation; or Low NO<sub>x</sub> Burners + Selective Non-Catalytic Reduction (SNCR); or Selective Catalytic Reduction(SCR)<sup>a,d</sup>

### SO<sub>2</sub>

1. Natural Gas or Treated Refinery Gas Fuel w/ ≤50 ppmv Hydrogen Sulfide and <100 ppmv Total Reduced Sulfur<sup>a</sup>
2. Natural Gas or Treated Refinery Gas Fuel w/ ≤100 ppmv Total Reduced Sulfur<sup>a</sup>

1. Fuel Selection<sup>a</sup>
2. Fuel Selection<sup>a</sup>

### CO

1. n/d
2. 50 ppmv @ 3% O<sub>2</sub> Dry<sup>a,f</sup>

1. n/d
2. Good Combustion Practice<sup>a</sup>

### PM<sub>10</sub>

1. n/d
2. Natural Gas or Treated Refinery Gas Fuel<sup>a,b</sup>

1. n/d
2. Fuel Selection<sup>a,b</sup>

### NPOC

1. n/a
2. n/a

### References

- a. BAAQMD
- b. BAAQMD A #30783
- c. BAAQMD A #3318
- d. BAAQMD A #8407
e. \( \text{NO}_x \) determination by BAAQMD Source Test Method ST-13A or B (average of three 30-minute sampling runs); or Continuous Emission Monitor (3-hour average); or BAAQMD approved equivalent.

f. \( \text{CO} \) determination by BAAQMD Source Test Method ST-6 (average of three 30-minute sampling runs); or Continuous Emission Monitor (3-hour average); or BAAQMD approved equivalent.