



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

# District Regulation 9, Rule 7

(amended May 4, 2011)

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Bay Area Air Quality Management District

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## Reg. 9-7 Background

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- Limits NO<sub>x</sub> and CO emissions.
- Applies to boilers, steam generators, and process heaters rated:
  - >2 MMBtu/hr, if fired with gaseous fuel, except for landfill or digester gas.
  - ≥1 MMBtu/hr, if fired with landfill or digester gas, or non-gaseous fuel, or multiple fuel.

# Reg. 9-7 Emission Limits

## Section 9-7-307:

| <b>Emission Limit</b> | <b>Rated Heat Input (million BTU/hr)</b> | <b>Fuel</b>                              | <b>NOx Limit (ppmv, dry at 3% oxygen)</b> | <b>CO Limit (ppmv, dry at 3% oxygen)</b> |
|-----------------------|--|--|---|--|
| 307.1                 | >2 to 5                                  | gaseous, except landfill or digester gas | 30  | 400                                      |
| 307.2                 | >5 to <10                                |  | 15  | 400                                      |
| 307.3                 | 10 to <20                                |  | 15  | 400                                      |
| 307.4                 | 20 or more, load-following unit          |  | 15  | 400                                      |
| 307.5                 | 20 to <75                                |  | 9   | 400                                      |
| 307.6                 | 75 or more                               |  | 5   | 400                                      |
| 307.7                 | 1 or more                                | landfill or digester gas                 | 30  | 400                                      |
| 307.8                 | 1 or more                                | non-gaseous                              | 40  | 400                                      |
| 307.9                 | 1 or more                                | multiple fuels                           | heat-input weighted average limit         | 400                                      |

*(Adopted 7/30/2008; Amended 5/4/2011)*

**Note: BACT limits for CO, if applicable, are more stringent than CO limits in 9-7-307.**



# Exemption from Section 9-7-307

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## Section 9-7-112, Low Fuel Usage:

Device first operated prior to 1/1/2012:

- <10 MMBtu/hr:
  - <10% of annual max heat capacity beginning 1/1/2012.
  - Annual inspection & tune-up.
- ≥10 MMBtu/hr:
  - <10% of annual max heat capacity beginning 1/1/2012.
  - 30 ppmv of NO<sub>x</sub>, dry @ 3% O<sub>2</sub>.
  - 400 ppmv of CO, dry @ 3% O<sub>2</sub>.

## Section 9-7-113, Natural Gas Curtailment & Testing:

Fired w/ non-gaseous fuel: 150 ppmv of NO<sub>x</sub>, dry @ 3% O<sub>2</sub>.

# Other Requirements

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## Section 9-7-403, Initial Demonstration of Compliance:

- For all devices subject to Section 9-7-307.
- By source tests or CEMS.

## Section 9-7-404, Registration:

- For devices  $>2$  &  $<10$  MMBtu/hr.
- Permits not required.

## Section 9-7-506, Periodic Testing:

- For all devices subject to Section 9-7-307.
- May use a portable analyzer.



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# Implementation Assistance

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- District's Rules and Regulations:

<http://www.baaqmd.gov/Divisions/Planning-and-Research/Rules-and-Regulations.aspx>

Questions?

Email Kevin Oei at [koei@baaqmd.gov](mailto:koei@baaqmd.gov)