

Regulation 9, Rule 7: Compliance Extension

This Advisory supersedes the January 20, 2011 Advisory. It is provided to inform you about Air District activities that may affect your operation. It will help you achieve and maintain compliance with applicable air quality rules and regulations.

ATTENTION: OWNERS AND OPERATORS OF BOILERS, STEAM GENERATORS AND PROCESS HEATERS

SUBJECT: AIR POLLUTION EMISSION LIMITS AND REQUIREMENTS FOR BOILERS, STEAM GENERATORS AND PROCESS HEATERS

On May 4, 2011, the Bay Area Air Quality Management District (District) amended Regulation 9, Rule 7: **Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional and Commercial Boilers, Steam Generators and Process Heaters**. The amendments provide more time to meet the new emission limits for smaller boilers, steam generators and process heaters (collectively termed “boilers” or “devices”) and extend the date for requiring only certified boilers are sold within the District. The purpose of this advisory is to inform owners and operators of boilers subject to Regulation 9, Rule 7 of the emission limits for Nitrogen Oxides (NOx) and Carbon Monoxide (CO) that will go into effect on **January 1, 2012** and **January 1, 2013** and other requirements. These lower emissions limits reduce air pollution that causes significant public health effects to Bay Area residents and other environmental impacts.

To learn more about this regulation and determine whether it applies to your boilers, including possible exemptions, see the **Frequently Asked Questions (FAQ) for Boilers** at: www.baaqmd.gov/advisories.

- **Existing Boilers Fired with Natural Gas or Liquefied Petroleum Gas (LPG) with a Heat Rating Greater Than (>) 2 Million BTU per hour (MM BTU/hr) and Less Than (<) 10 MM BTU/hr:**
 - **Emission Limits Effective January 1, 2013**

Heater Input Rating (MM BTU/hr)	NOx Limit (at 3% O ₂)	CO Limit (at 3% O ₂)	Compliance Date ¹
>2 to 5	30	400	1/1/2013
>5 to <10	15	400	1/1/2013

Note: If you have a newer device that was *manufactured* less than **10 years** ago and have one of or more of these newer boilers at any facility, you have a longer time to comply (Refer to **Section 308**).

- **Registration Requirement:** Operators of these boilers must **register** them with the District and pay a registration fee. All boilers subject to Regulation 9, Rule 7 in this size category are required to be registered unless the device has a District Permit to Operate. If you have a BAAQMD permit and your boiler is listed on the permit as an exempt source, the District will initiate the registration process for you. Otherwise, to register your boiler use the Small Boiler Registration form which can be found at www.baaqmd.gov/registration.
- **New Boilers Fired with Natural Gas or LPG with a Heat Rating >2 MM BTU/hr and <10 MM BTU/hr**
Certification Requirement: Effective **January 1, 2012**, only boilers certified to meet the applicable NOx and CO emission limits may be sold within the District. A list of certified boilers is available on the District website (Refer to the [June 13, 2011 Manufacturers and Distributors Advisory](#) for certification program information).

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¹ For facilities with multiple devices, at least 33% of devices must meet the emission limits by the **1/1/2013** compliance date above; 66% of devices by **1/1/2014**; and 100% of devices by **1/1/2015**.

Retrofit burners do not require certification. Certification is not required for boilers rated >10 MM BTU/hr, or other boilers that must have a District Permit to Operate. For requirements on District permits, please see **Regulation 2, Rule 1** at: www.baaqmd.gov/rules.

New boilers must comply with all of the requirements applicable to existing boilers, *except* for an initial demonstration of compliance.

➤ **Existing Boilers with a Heat Rating of 10 MM BTU/hr or More, or >1 MM BTU/hr Using Other Fuels**

- **Emission Limits:** The NOx and CO limits and compliance dates are shown in the table below:

Heater Input Rating (MM BTU/hr)	Fuel	NOx Limit (at 3% O2)	CO Limit (at 3% O2)	Compliance Date ²
10 to <20	Gaseous, except landfill or digester gas (See Below)	15	400	1/1/2012
20 or more ("load-following")		15	400	1/1/2012
20 to <75		9	400	1/1/2012
75 or more		5	400	1/1/2012
1 or more	landfill or digester gas	30	400	1/1/2013
1 or more	non-gaseous	40	400	1/1/2013
1 or more	multiple fuels	heat-input weighted avg. limit	400	1/1/2013

Note: If you have a newer device that was *manufactured* less than **5 or 10 years** ago and have one of or more of these newer boilers at any facility, you have a longer time to comply (Refer to **Section 308** of the Rule for specific details).

Permit Requirement: Boilers with heat input ratings of 10 MM BTU/hr and greater, fired with any fuel and boilers with a heat input rating of greater than 1 MM BTU/hr up to less than 10 MM BTU/hr that are fired with any fuel other than natural gas and LPG require a District Permit to Operate.

➤ **Other Requirements for Boilers, Steam Generators and Process Heaters**

- In addition to NOx and CO emission limits, existing boilers and steam generators (but not process heaters) are subject to the **insulation** and **stack gas temperature** requirements (refer to **Sections 311 and 312**).
- Existing boilers, steam generators, and process heaters are subject to the amended **initial demonstration of compliance, record keeping, and periodic emissions monitoring** requirements (refer to **Sections 403, 503, and 506**).

² For facilities with multiple devices, at least 33% of devices must meet the emission limits by the compliance date indicated above; 66% of devices by **one year** from the compliance date above, and 100% of devices by **two years** from the compliance date above.

More information can be obtained from the following sources:

- ☎ For a copy of all District rules, including Regulation 9, Rule 7, go to: www.baaqmd.gov/rules.
- ☎ For District boundaries, go to: www.baaqmd.gov/The-Air-District/Jurisdiction.aspx
- ☎ Operators may register heaters at: www.baaqmd.gov/registration.
- ☎ For questions or compliance assistance, call the Compliance Counselor Hotline at (415) 749-4999 or Michael Wall at mwall@baaqmd.gov, or (415) 749-4903.
- ☎ For questions about Air District Permits, call the Engineering Division at (415) 749-4990.