



MONTEREY BAY
Unified Air Pollution Control District
serving Monterey, San Benito, and Santa Cruz counties

SUBJECT: CLARIFICATION OF PERMIT REQUIREMENTS FOR NATURAL GAS/LIQUEFIED PETROLEUM GAS(LPG) BOILERS

This summary contains clarification of the permit requirements for natural gas and/or LPG fired boilers, to be operated within Monterey, Santa Cruz or San Benito Counties. They do not apply to boilers with any fuel oil capability. Please refer to the District Rules for full requirements.

Equipment Applicability

The information contained herein is focused on boilers, but may be used in the evaluation of steam generators, steam superheaters, water heaters, and other closed heat transfer systems.

Permit Requirements

District Rule 201 exempts from permit any natural gas and/or LPG fired boiler with an individual heat input of less than 2 MMBTU/Hr.

Best Available Control Technology (BACT)

An individual boiler with a potential to emit 25 lbs/day or greater of NO_x is subject to the BACT requirement of District Rule 207. In addition any boiler required to have a District permit located at a source with a net emissions increase since July 15, 1976 of 150 lbs/day or greater of NO_x is subject to the BACT requirement of District Rule 207.

The District has deemed the following NO_x exhaust concentrations as Best Available Control Technology:

<u>Burner Size Input (MMBTU/Hr)</u>	<u>NO_x (as NO₂) @ 3 percent O₂ (ppmvd)</u>
Less Than 29 MMBTU/Hr	30
29 MMBTU/Hr Or Greater But Less Than 40 MMBTU/Hr	20
40 MMBTU/Hr Or Greater But Less Than 86 MMBTU/Hr	15
86 MMBTU/hr Or Greater	10

These emission levels may be achieved through the use of low NO_x burners in combination with flue gas recirculation and/or other technologies.

BACT/Offset Exceptions

Any boiler exempt from permit requirements at the time of installation which has subsequently relinquished its permit exemption status due to District Rule 201 changes is not classified as a "new emissions" source for purposes of Federal New Source Review BACT and offset emission calculations.

Should you have any questions regarding the permit applicability or BACT requirements for your natural gas/LPG fired boilers, please contact the District office at (831) 647-9411.

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