



New Annual Combustion Adjustment Requirements for Boilers and Heaters Over 5 Million BTU/hr

Who is affected by this initiative?

Anyone who owns or operates an indirect fired heater (boiler or furnace) with a heat input of 5 million BTU/hr or greater will be required to perform an annual combustion adjustment to minimize emissions, and to report the results of the annual adjustment to the Department. In addition to large industrial facilities, this will also include small businesses and organizations such as apartment houses, warehouses and schools if they have a boiler or process heater with a heat input of 5 million BTU/hr or greater.

Why is DEP requiring new annual boiler adjustments?

In December 2005, the Department adopted new requirements, as part of N.J.A.C.7:27-19, that require boilers and indirect fired process heaters with a heat input of 5 million BTU/hr or greater to be adjusted to minimize emissions of nitrogen oxides (NO_x) and carbon monoxide (CO), and to report the results of the annual adjustment to the Department. The Department anticipates that requiring this annual combustion adjustment will reduce pollution from these boilers by as much as 25 percent, including emissions that are precursors of ground level ozone, a significant health concern in New Jersey.

What is DEP doing?

The Department currently requires annual combustion adjustments for boilers or heaters 10 million BTU/hr or greater. Operators of boilers or heaters 5 million BTU/hr or greater but less than 10 million BTU/hr must begin performing combustion adjustments in 2010, so the Department will notify the operators of these boilers of the new requirements in the coming months.

Operators of larger boilers or heaters (20 million BTU/hr or greater) must begin reporting the results of annual combustion adjustments to the Department beginning in 2009. Operators of boilers or heaters 10 million BTU/hr or greater but less than 20 million BTU/hr must begin reporting the results of annual adjustments to the Department beginning in 2010. Operators of smaller boilers or heaters (5 million BTU/hr or greater but less than 10 million BTU/hr) must begin reporting results of annual combustion adjustments to the Department beginning in 2012.

These reports must be submitted to the Department electronically. The Department has created a new online service, called "NO_x RACT Combustion Adjustment," on the NJDEP Online website. Additional details about the new annual adjustment requirements, as well as instructions on how to access the new service and electronically submit the annual adjustment results, are available at:

<http://www.nj.gov/dep/agpp/adjustment.htm>.

COMPLIANCE ADVISORY

What should I do?

If you own or operate a boiler or process heater affected by the new combustion adjustment requirements, you must perform the annual adjustment and submit the results in accordance with the new rules as specified below and explained in the above web page link.

Equipment Size	Perform Adjustment	Submit Results through DEP Online
20 million BTU/hr or greater	Already required	2009
10 million BTU/hr or greater but less than 20 million BTU/hr	Already required	2010
5 million BTU/hr or greater but less than 10 million BTU/hr	2010	2012

Since specialized monitoring equipment is required for this adjustment, many small businesses and organizations may need to hire an outside firm or contractor to perform the required annual adjustment.

Who should I contact with questions?

NJDEP Air Quality Permitting

609-292-9258

Air Compliance and Enforcement - Northern Field Office

973-656-4444

(Bergen, Essex, Hudson, Hunterdon, Morris, Passaic, Somerset, Sussex, Warren, and Union Counties)

Air Compliance and Enforcement – Central Field Office

609-584-4100

(Burlington, Mercer, Middlesex, Monmouth, and Ocean Counties)

Air Compliance and Enforcement – Southern Field Office

856-614-3601

(Atlantic, Camden, Cape May, Cumberland, Gloucester, and Salem Counties)

Where can I get more information?

The following web sites can be accessed for additional information regarding this advisory:

Details and instructions regarding the new requirements and how to submit the required information online: <http://www.nj.gov/dep/aqpp/adjustment.htm>

Division of Air Quality Regulatory Development website (for information about recent rule developments): <http://www.state.nj.us/dep/aqm/>

Specific rule containing the new requirements: <http://www.state.nj.us/dep/aqm/Sub19.pdf>

Visit the following Web site for general information:

Contact NJDEP: <http://www.nj.gov/cgi-bin/dep/contactdep.pl>

To comment on this advisory:

<http://www.nj.gov/dep/enforcement/survey.html>

Please note this advisory is intended to be a summary explanation of a department initiative. It does not include all potentially applicable requirements. If you have any questions related to compliance with this initiative, please contact the Enforcement numbers listed above.