



Annual Combustion Adjustment Requirements for Boilers and Heaters Over 5 Million BTU/hr but Less Than 10 Million BTU/hr

Who is affected by this initiative?

Any facility in New Jersey that owns or operates an Industrial/Commercial/Institutional boiler(s) and other indirect heat exchanger(s) of the 5 MMBTU/Hr to 10 MMBTU/Hr heat input rate range regulated under N.J.A.C. 7:27-19.7.

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, which require boilers and indirect fired process heaters with a heat input of 5 million BTU/hr or greater to adjust its combustion process 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?

As of January 01, 2010, the Department requires annual combustion adjustments for boilers or heaters 5 million BTU/hr or greater but less than 10 million BTU/hr and maintain adjustment results on site. However, beginning 2012, adjustment results must be submitted to the Department through the DEP online web portal within 45 days after the adjustment of the combustion process is completed. The Department has created an online service, called "NO_x RACT Combustion Adjustment," on the NJDEP Online website. Additional details about the annual adjustment requirements, as well as instructions on how to access the service and electronically submit the annual adjustment results, are available at: <http://www.nj.gov/dep/acpp/adjustment.htm>.

What should I do?

If you own or operate a boiler or process heater affected by the combustion adjustment requirements, you must perform the annual adjustment and keep records on file. However, beginning 2012, you must submit the results as explained in the above web page link.

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.

COMPLIANCE ADVISORY

Who should I contact with questions?

NJDEP Air Quality Permitting	609-292-9258
Air Compliance and Enforcement - Northern Field Office (Bergen, Essex, Hudson, Hunterdon, Morris, Passaic, Somerset, Sussex, Warren, and Union Counties)	973-656-4444
Air Compliance and Enforcement – Central Field Office (Burlington, Mercer, Middlesex, Monmouth, and Ocean Counties)	609-292-3187
Air Compliance and Enforcement – Southern Field Office (Atlantic, Camden, Cape May, Cumberland, Gloucester, and Salem Counties)	856-614-3601

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.