

## Process Heater MACT Compliance Solutions for Major Sources

### Unmatched Experience and Expertise to Get You Ready

As a leading combustion technology and equipment provider, John Zink Hamworthy Combustion (JZHC) is uniquely qualified to help you comply with your MACT rule requirements. Only JZHC can leverage the experience of our thousands of installations worldwide to develop and implement effective solutions for your facility. Whether our equipment or another manufacturer's, your inspection will be conducted by some of the most experienced field service technicians in the industry backed by the JZHC team of engineers who design process burners.

We make it easy to get your MACT inspection completed. As required in the standard, we inspect your burners and flame patterns, help you optimize your CO emissions, and provide tune-up documentation. We can also provide valuable services beyond MACT compliance issues to optimize your equipment performance and operating costs.

- + Troubleshooting for heater problems
- + Upgrade of combustion equipment
- + Modifications to control emissions
- + Operating procedure optimization
- + Energy efficiency improvements
- + Ongoing preventative maintenance
- + Installation and support for effective emissions-reduction solutions including:
  - Low and Ultra-low NOx burners
  - O<sub>2</sub> trim systems
  - Burner Management Systems (BMS)



*We've completed MACT inspections  
on more than 850 heaters and can put  
that experience to work for you.  
**That's smart. That's JZHC.***

## 24-Hour Parts and Service Hotline

**+1 800 755 4252**  
*(U.S. & Canada)*

**+1 918 234 2751**  
*(Western Hemisphere)*

**+352 51 89 92 59**  
*(EMEA)*

## Turnaround Pre-Inspection

Our experts perform thorough inspection – or combustion survey – prior to shutdown, providing concise reports that clearly identify parts that need to be replaced and any other services needed for optimum system performance. By scheduling this inspection at least 3 months to a year in advance of a planned turnaround, you will ensure the availability of the components needed to maintain the function of your equipment. You will also be able to more accurately report the timing and budget of your turnaround.

## On-Site Training

Thousands of professionals have attended the John Zink Institute<sup>SM</sup> to learn from the industry leaders. But you don't have to travel. We can bring a customized course to your facility. Our instructors will tailor the curriculum to your actual operating conditions and equipment – providing focused study for practical implementation of our improvement suggestions.

## Spare Parts Supply and Identification

By using genuine John Zink Hamworthy Combustion parts, you are guaranteed interchangeability, and the permanent availability of the parts you need. We offer a vast inventory of spares and replacement parts ready for immediate shipment, and our clear, convenient packing means you won't waste time trying to identify parts.



## The EPA's Major Source Process Heater MACT Rule.

*Enforcement of the new rule started January of 2013 or upon startup for new installations that began operation on or after June 2010. All existing units were to be in compliance by January 31, 2016.*

Contact us today at  
[burnerparts@johnzink.com](mailto:burnerparts@johnzink.com)

to learn how our comprehensive parts and service solutions can improve the ongoing performance of your systems and meet work practice standards listed in Process Heater MACT compliance requirements.



### GLOBAL REACH

JZHC has locations all over the map, with thousands of employees worldwide.



#### Global Headquarters

johnzinkhamworthy.com  
+1 918 234 1800

Tulsa, Oklahoma | United States

To locate an office in your region,  
visit [johnzinkhamworthy.com/contacts/office-locator](http://johnzinkhamworthy.com/contacts/office-locator)