



## Thermal Oxidizers

### DESIGNED FOR

Engineers, operators, maintenance, safety and training personnel from hydrocarbon and chemical processing plants and production operations that handle hazardous and nonhazardous organic waste disposal in their daily operations.

### COURSE OVERVIEW

This course focuses on gaseous and liquid waste thermal oxidizers and covers a broad range of thermal oxidation topics. Course begins with thermal oxidation and combustion basics and advancing through the fundamental system types — sulfur, low NO<sub>x</sub>, chlorinated and down-fired / salt. The course addresses CFD modeling, pre- and post-treatment, alternative technologies and control systems. Maintenance and service are also discussed. Thermal oxidizer tests and demonstrations will be conducted at our state-of-the-art thermal oxidation test facility.

### SOME TOPICS COVERED DURING COURSE

- Combustion Fundamentals and Design Guidelines
- Equipment Components
- NO<sub>x</sub> Emissions and Control
- Heat Recovery and Energy Efficiency
- Sulfur Plant Equipment
- Fume and Vent Systems
- Chlorinated, Particulate-Laden, Low NO<sub>x</sub>, and Ultra Low NO<sub>x</sub> Systems
- Instrumentation and Controls
- Maintenance, Operation, and Service

### LOCATION, DATES & PRICE

Tulsa, OK / September 26 - 27, 2024 — \$1,795

\* Tuition includes all 3 Volumes of the John Zink Hamworthy Combustion Handbook.



# JZ: TO110

*We've educated thousands of professionals from all over the world.*

## 2-Day Course 1.4 CEUs (IACET) (Continuing Education Units)

*Prerequisite: None*

*Discounts available and dates are subject to change.*

Contact the Koch Engineered Solutions Institute for more details.

[KESInstitute.com](https://www.KESInstitute.com)

**918.234.1800**

## Included

Each participant will receive a hardcopy of a color training manual of the course presentation, the JZHC Handbook Volume 1, 2 and 3, and a certificate of completion. Registration includes a continental breakfast and lunch daily and all-day complimentary beverages.

## Payments/Cancellations

Your registration in a class is not guaranteed until payment in full has been received. Payment is due 30 days before the start of a class.

Cancellations received at least 30 calendar days before the start of a class will be 100% refunded. Cancellations less than 30 calendar days before the start of the class will not be refunded, but the student may attend the same course in the future at a 50% discount. Students who fail to show up for a course will not receive a refund and will not be eligible for the 50% discount. Students may at their option find their own replacement up to 7 calendar days prior to the start of the course to avoid the cancellation fee.

Our company considers the health and safety of all our attendees, guests, and employees of paramount importance. All events shall be held in accordance with all company and venue policies and procedures as well as all local laws, regulations, and guidance in relation to the evolving COVID-19 situation. It is the responsibility of each attendee to abide by all such policies, procedure, laws, regulations, and guidance while attending the event. If an attendee is unable to attend the event and must cancel or postpone their reservation in order to comply with the aforementioned, the company shall endeavor to transfer the reservation to the next available event.

## Policy Statement

It is the policy of the Koch Engineered Solutions Institute that 100% of the tuition must be paid by the student's employer or an affiliate of the employer. Payment for classes may be made only once the students have been approved for admission. We reserve the right to deny admission for any reason permitted by law including, without limitation, the admission of employees of companies that Koch Engineered Solutions deems to be a competitor. All decisions regarding admissions are made without regard to color, race, religion, gender, sexual orientation, national origin, ethnicity, age, disability, pregnancy, veteran status or other legally protected factors.

We reserve the right to cancel the registration of a student at our sole discretion, in such event we will refund the course tuition.

## Thousands of Professionals Educated

Our industry values experience and expertise. That's why thousands trust us for training and education. Each year, professionals from around the globe attend the Koch Engineered Solutions Institute, where they learn from industry leaders in the classroom and at the largest, most advanced combustion testing facility in the world. Let us share our knowledge with you.

## Questions?

**Please contact the Koch Engineered Solutions Institute at 918.234.1800.**

*Disclaimer: This document was prepared for promotional purposes only. Class dates and locations are subject to change without notice. Check the Koch Engineered Solutions Institute website for the most up-to-date information. The Koch Engineered Solutions Institute is not responsible for any costs associated with cancellations. The information provided is neither a guarantee nor a statement of warranty, either expressed or implied.*