

United States
Environmental Protection
Agency

Center for Environmental
Research Information

Technology Transfer

WORKSHOP on Quality Assurance Quality Control (QA/QC) Procedures for Hazardous Waste Incineration

August 9-10, 1989
San Francisco, CA

August 14-15, 1989
Kansas City, MO

August 17-18, 1989
Atlanta, GA

655R89006

United States
Environmental Protection
Agency

Center for Environmental Research
Information
Cincinnati, OH 45268

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EPA
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CERI-89-142

EPA QA/QC Workshop
c/o Trisha Hasch
Eastern Research Group, Inc.
6 Whittemore Street
Arlington, MA 02174

Place
Postage
Here

These workshops are sponsored by the Center for Environmental Research Information, Cincinnati, OH.

Background and Purpose

The workshops are being presented to introduce the "Handbook on QA/QC Procedures for Hazardous Waste Incineration" being developed for EPA by one of its contractors. The primary audience for the handbook and subsequently the workshops is EPA RCRA permit writers and permit applicants for hazardous waste incinerators. Additionally, however, the workshop potentially will have a diverse audience -- engineers, chemists, environmental scientists, plant managers, and EPA staff of all levels. The workshops on QA/QC Procedures for Hazardous Waste Incineration will involve explanations of, and exercises in, process monitoring, sampling, and analytical activities, after first defining the Data Quality Objectives (DQOs) needed for testing and sampling hazardous waste incinerators, including procedures during the trial burns. QA/QC procedures shall be defined for those pollutants normally associated with emissions from an incinerator, such as POHCs, PICs, metals, particulates, dioxins, furans, acid gases, and combustion gases.

Workshop Registration

There is no fee for workshop registration. To register, complete the registration blank on the back of this announcement indicating the workshop(s) you wish to attend and return to the address shown. For further information on the workshops contact Trisha Hasch (617) 648-7811.

Hotel Accommodations

A block of rooms has been reserved at the hotel listed below, and will be issued on a first-come, first-served basis. The reserved rooms will be held until the cut-off date, which is 3 weeks prior to the start of each workshop. Room reservations are to be made directly by you with the hotel. Reference the "EPA Workshop" to receive the special workshop rate.

Seminar Dates and Locations

August 9-10, 1989

Cathedral Hill Hotel
Van Ness and Geary
San Francisco, CA 94109-6986
(415) 776-8200

Govt. and Non-Govt. Rates
Single: \$78.00 Double: \$100.00

August 14-15, 1989

The Adam's Mark
9103 E. 39th Street
Kansas City, MO 64133
(816) 737-0200
Govt. and Non-Govt. Rates
Single: \$54.00 Double: \$67.00

August 17-18, 1989

Hyatt Regency in Peachtree Center
265 Peachtree Street, NE
Atlanta, GA 30301
(404) 577-1234
Govt. and Non-Govt. Rates
Single: \$64.00 Double: \$84.00

Workshop Agenda

Day One

- 12:00 Noon Registration/Check-In
1:00 p.m. Welcome - USEPA
1:15 p.m. Overview
Larry Johnson, USEPA
● Relationship between QA/QC and Data Validity
● Necessity of QA/QC
1:45 p.m. Regional Overview
Regional Representative
● Pitfalls to Avoid
● Examples of QA/QC Plan

State Overview
State Representative
● Pitfalls to Avoid
● Examples of QA/QC Plan

- Questions/discussion
2:30 p.m. **Break**
2:45 p.m. Introduction/Overview
Andrew Trenholm and Thomas Dux,
Midwest Research Institute
● Purpose of QA
● Data Quality Objectives (DQO)
● Description of Handbook
3:45 p.m. Questions/Discussion
4:00 p.m. **Adjourn**

Day Two

- 8:30 a.m. ● General Topics
● Sample Handling
● Calibration
● Audits
● Evaluation of Data
10:15 a.m. **Break**
10:30 a.m. ● Sample Collection QA/QC
● Methodology (General)
● Fuel
● Waste
● Water
● Air
12:00 Noon **Lunch**
1:30 p.m. ● Sample Analysis QA/QC
● Instrumentation - Advantage/Disadvantage
● Gases
● Organic (POHC)
● Combustion
● Particulates
● Metals
● Precision and Accuracy
3:30 p.m. **Break**
3:45 p.m. ● Class Exercise
4:30 p.m. Questions/Discussion/Evaluation
5:00 p.m. **Adjourn**

WORKSHOP on Quality Assurance/Quality Control (QA/QC) Procedures for Hazardous Waste Incineration REGISTRATION FORM

USEPA Technology Transfer
Center for Environmental
Research Information
Cincinnati, OH 45268

Indicate the workshop you wish to attend:
 San Francisco, August 9-10, 1989
 Kansas City, August 14-15, 1989
 Atlanta, August 17-18, 1989

Name _____
Title _____
Organization _____
Address _____
City, State, Zip Code _____
Telephone Number _____
State Government _____
Local Government _____
Consultant _____
College or University _____
Federal Agency _____
Other (Specify) _____