

United States
Environmental Protection
Agency

Research and Development

Hazardous Waste Combustion Sampling and Analysis

A Workshop for Hazardous Waste Combustion Inspectors, Permit Writers and Operators

September 23-24, 1986
Holiday Inn Center City
Philadelphia, Pennsylvania

October 7-8, 1986
The Lincoln Hotel
Dallas, Texas

October 28-29, 1986
McCormick Center Hotel
Chicago, Illinois

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United States
Environmental Protection
Agency

Center for Environmental Research
Information
Cincinnati OH 45268

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CERI-86-17

Sampling and
Analysis Workshops

JACA Corp.
550 Pinetown Road
Fort Washington, PA 19034

PLACE
STAMP
HERE



AGENDA

FIRST DAY

SESSION I – REGULATORY ASPECTS

- 9:00 am - Introductory Remarks
- 9:20 am - RCRA Sampling and Analysis Requirements

SESSION II – SAMPLING METHODS (Session Chairperson: Dennis Wagoner, Radian Corp.)

- 9:40 am - Waste Feed
- 10:00 am - Scrubber Water and Ash Effluent
- 10:40 am - Break
- 11:00 am - Particulates, Metals and HCl (Stack)
noon - Lunch
- 1:30 pm - Organics (Stack)
- 3:00 pm - Break
- 3:30 pm - CO, Velocity, Temperature and Opacity

SECOND DAY

SESSION III – ANALYTICAL TECHNIQUES (Session Chairperson: Ruby James, Southern Research Institute)

- 8:30 am - Waste Feed
- 9:30 am - Scrubber Water and Ash Residue
- 9:50 am - Particulates, Metals and HCl (Stack)
- 10:10 am - Organics (Stack)
- 10:40 am - Break

SESSION IV – PROBLEM SITUATIONS (Session Chairperson: Larry Johnson, U.S. EPA, Air and Energy Engineering Research Laboratory)

- 11:00 am - Sampling Problems: POHC's and other difficult situations
noon - Lunch

SESSION V – QUALITY ASSURANCE AND CONTROL (Session Chairperson: Judith Harris, Arthur D. Little, Inc.)

- 1:30 pm - QA/QC Objectives
- 2:00 pm - Sampling QA/QC
- 2:20 pm - Analysis QA/QC
- 2:40 pm - Calibration Procedures, Blank Preparation, Spiked Samples
- 3:00 pm - Break

SESSION VI – FIELD OBSERVATIONS AND PROCEDURES (Session Chairperson: Walter Smith, Entropy Environmentalists, Inc.)

- 3:30 pm - Field Observations
- 4:15 pm - Case Histories
- 5:00 pm - Adjourn

This EPA workshop, to be held in Philadelphia, Chicago and Dallas, is designed to give Federal, state and local hazardous waste incinerator inspectors, permit writers and operators a framework on which to base their compliance inspections and permit application reviews. Major topics include regulatory requirements, sampling methods, analytical methods, and quality assurance and control. Case histories will be discussed in-depth. Speakers come from government and industry; all have been chosen for their expertise in hazardous waste combustion sampling and analysis.

The workshop is designed to benefit new and experienced inspectors, permit application reviewers, and hazardous waste incinerator operators who want to broaden their knowledge of sampling and analytical technology and procedures.

There is no fee for attending these workshops. Since registration will be limited to the space available, the attached registration card should be completed and mailed as soon as possible. A letter confirming your preregistration at the workshop of your choice will be sent to you.

Room reservations are to be made by you directly with the hotel and should be made early. The reserved block of rooms will only be assured up to three weeks before the date of the workshop; after that, rooms will be assigned by the hotel on a space-available basis. Be sure to mention that you are attending this EPA workshop so that you will qualify for special room rates.

September 23-24, 1986
Holiday Inn Center City
1800 Market Street
Philadelphia, PA 19103
(215) 561-7500

October 7-8, 1986
The Lincoln Hotel
5410 LBJ Freeway
Dallas, TX 75240
(214) 934-8400

October 28-29, 1986
McCormick Center Hotel
Lakeshore Drive at 23rd Street
Chicago, IL 60616
(312) 791-1900



For additional information, call Kathleen Kelly, JACA Corp., Fort Washington, PA (215) 643-5466.

Speakers

Judith Harris, Arthur D. Little, Inc.
Ruby James, Southern Research Institute
John Prohaska, PEI Corp.
Walter Smith, Entropy Environmentalists, Inc.
Dennis Wagoner, Radian Corp.
U.S. EPA Headquarters and Regional speakers

SEMINAR REGISTRATION FORM Hazardous Waste Combustion Sampling and Analysis

Please register me for the following workshop:

- Sept. 23-24, 1986** Holiday Inn Center City Philadelphia, PA
- Oct. 7-8, 1986** The Lincoln Hotel Dallas, TX
- Oct. 28-29, 1986** McCormick Center Hotel Chicago, IL

Name _____

Title _____

Organization _____

Address _____

City _____ State _____ Zip _____

Phone (_____) _____