

## Preface

The Superfund Amendments and Reauthorization Act of 1986 (SARA), Section 118 (1) established the Gulf Coast Hazardous Substance Research Center (GCHSRC) to conduct research, evaluation, testing, development, and demonstration of alternative or innovative technologies which may be utilized in response actions or in normal handling of hazardous wastes to achieve better protection of human health and the environment.

GCHSRC recognizes that incineration is at this time and for the foreseeable future the most important and widely used method of disposing of organic hazardous wastes, and one of the highest profile topics from both technology and regulatory aspects.

Therefore, GCHSRC, with sponsorship by Chemical Waste Management, Inc. and Sandoz Crop Protection, held their First Annual Symposium, "Hazardous Waste Incineration: Current Practices and Future Directions", at Lamar University, Beaumont, TX on February 23-24, 1989.

The conference focussed on establishing answers to the following questions regarding current practices and future trends in the testing and operating of hazardous waste incinerators:

- What process performance measurements, e.g. POHCs, PICs, DRE, etc., are, can, or should be made during trial burns and operations, both steady state and start up?
- What does this data tell us in real time and later about how the unit is operating? Is this data now available optimal for effective control, and if not, what is needed?
- What are the characteristics of incinerator ash, both bottom and fly ash, and how should it be tested?
- What are we doing to improve our ability to obtain needed performance data to assure protection of human health and the environment?
- What are the impacts of technology on permitting?

In addition to technical paper presentations, there were 23 posters on display, outlining the research program of the Center.

Over 350 people from the regulated community were in attendance.

These proceedings consist of 10 of the technical paper presentations as well as abstracts of the poster displays. We hope the reader will find them useful and informative.

The GCHSRC is having its Second Annual Conference on February 15-16, 1990 at Lamar University, Beaumont, TX. The topic of this conference is Solidification/Stabilization.

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