



Project Summary

Proceedings of the 1982 Joint Symposium on Stationary Combustion NO_x Control

Robert E. Hall, Dennis C. Drehmel, and Michael W. McElroy

The 1982 Joint Symposium on Stationary Combustion NO_x Control was held November 1 through 4 in Dallas, Texas. This was the second symposium on NO_x control jointly sponsored by EPA and EPRI; the first was held in Denver in 1980. The symposium is a consolidation of EPRI's previous NO_x Control Technology Seminars and EPA's Symposia on Stationary Source Combustion. The objective of the symposium is to give attendees the opportunity to exchange information on the latest advances in combustion technology. Such an exchange of information contributes significantly to the development of cost-effective and reliable NO_x control systems.

This Project Summary was developed by EPA's Air and Energy Engineering Research Laboratory, Research Triangle Park, NC, to announce key findings of the research project that is fully documented in two separate reports of the same title (see Project Report ordering information at back).

Proceedings

Over 50 papers were presented, beginning with an update of NO_x regulatory trends; focusing on development of control technology for coal-fired utility boilers, industrial power equipment, and process heaters; and discussing advances in fundamental combustion research. Speakers represented a wide variety of organizations including electric utility compan-

ies, manufacturers of utility boilers and process equipment, research and development groups conducting investigations sponsored by EPRI and EPA, and EPRI and EPA personnel. Representatives from Japanese and West German utilities and boiler manufacturers provided status reports of activities in those countries, lending an international perspective to NO_x control issues.

CoChairmen of the symposium were Robert E. Hall and Dennis C. Drehmel of EPA, and Michael W. McElroy of EPRI. Introductory remarks were delivered by Robert C. Carr, program manager in the Air Quality Control Program of EPRI's Coal Combustion Systems Division. The welcoming address was given by Frances Phillips, Deputy Regional Administrator for EPA Region 6. The symposium proceedings have been published in two volumes:

Volume I—Utility Boiler Applications

- Session I: NO_x Emissions Issues
- Session II: Manufacturer's Update of Commercially Available Combustion Technology
- Session III: Operational and Environmental Issues
- Session IV: Low-NO_x Combustion Development
- Session V: In-Furnace NO_x Destruction (Reburning)
- Session VI: Furnace Limestone Injection

Volume II—Flue Gas Treatment, Fundamental Studies, and Industrial/Commercial/Residential Applications

- Session VII: Flue Gas Treatment
- Session VIII: Fundamental Combustion Studies
- Session IX: Stationary Engines and Industrial Process Systems
- Session X: Small Industrial, Commercial, and Residential Systems

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The complete report consists of two volumes entitled "Proceedings of the 1982 Joint Symposium on Stationary Combustion NO_x Control."

"Volume I. Utility Boiler Applications," (Order No. PB 85-235 604/AS; Cost \$40.00, subject to change).

"Volume II. Flue Gas Treatment, Fundamental Studies, and Industrial/Commercial/Residential Applications," (Order No. PB 85-235 612/AS; Cost \$44.50, subject to change).

The above reports will be available only from:

National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
Telephone: 703-487-4650

The EPA Project Officers can be contacted at:

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U.S. Environmental Protection Agency
Research Triangle Park, NC 27711

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