



Texas Industries of the Future



Houston  
Business  
Roundtable

## Industrial Source NO<sub>x</sub> Reduction Technologies and Strategies

Tuesday, August 24, 2004

Brady's Landing

8505 Cypress St., Houston , Texas

### Program Information

This one-day conference is specifically designed for **facilities with process heaters, boilers, and turbines** in areas affected by **State Implementation Plan** NO<sub>x</sub> reduction requirements.

- Learn from case studies of NO<sub>x</sub> reduction strategies and technologies from the Houston/Galveston area.
- Learn how projects have increased energy efficiency, while reducing NO<sub>x</sub> and fuel costs.
- Hear the latest technical developments from process heater and boiler experts.
- Learn how to access tools, training, best practices, technologies and funding from DOE to reduce your fuel costs and NO<sub>x</sub> emissions.

### Agenda

- 7:00 a.m. *Registration.* Continental Breakfast. Visit with Exhibitors.
- 8:00 a.m. *Welcome and Announcements*  
Conference Chair, Doug Deason, ExxonMobil Chemical
- 8:05 a.m. *Industries of the Future: Tools, Training, Technologies and Funding*  
Kathey Ferland, Texas Industries of the Future, University of Texas
- 8:20 a.m. *Update: NO<sub>x</sub> Reduction Issues Along the Texas Gulf Coast*  
Doug Deason, ExxonMobil Chemical
- 8:35 a.m. *Session 1: Existing Source Improvements and Modifications*
- “Induced Flue Gas Recirculation for NO<sub>x</sub> Control: Application on Boilers and Process Heaters”, Steve Wood, Entropy Technology and Environmental Consultants and Nolan Frederick, Entergy.
  - “Application of Lean-Premix Burners to Reduce NO<sub>x</sub> in Ethylene Furnaces”, Richard Waibel, John Zink and Chell Chellappan, Equistar
  - “Lean Premix Emissions Solutions for the HGA”, Mark Hannum, North American Manufacturing, Mustafa Saleh, US Gypsum, and Geoffrey Qualls, Shin-tech.

- 10:05 a.m. *Break. Visit with Exhibitors*
- 10:30 a.m. *Session 2: Existing Source Improvements and Modifications*
- “Performance Testing of Next Generation Low NO<sub>x</sub> Burners”, Kurt Kraus, Callidus Technologies and George Stephens, ExxonMobil Chemical Company
  - “ULN Retrofit at Lubrizol”, Gerry Hamilton, Coen and Norm Thompson, Lubrizol.
  - “Texas Genco’s NO<sub>x</sub> Reduction Program”, Ben Carmine, Texas Genco.
- 12:00 noon *Luncheon Visit with Exhibitors*
- 1:00 p.m. *Session 3: Efficiency Improvements*
- “CO Monitoring Technology and NO<sub>x</sub> Reductions”, Gary Faagau, Valero Energy
  - “Waste Oxidizing Boiler Fuel Management”, Jane Arnold, Sterling
- 2:00 p.m. *Break. Visit with Exhibitors*
- 2:30 p.m. *Session 4: CHP and Multi-Site Cost-Effective Approaches*
- “Bayer Polymers and Calpine Win-Win Strategy for NO<sub>x</sub> Compliance”, Jeff Kovacs, Bayer Polymers
  - TBD, Rich Rapagnani, GE
  - "Case Study For A Large Company Regional Multi-Site Program Approach", Dennis Jones, Dow Chemical Company
  - “Savings Still Achievable at Mid-Point of Texas NO<sub>x</sub> SIP for Companies Operating in the Houston Galveston Area”, Beth Brandes Jenkins and Richard McAllister, Air Products
- 4:30 p.m. *Adjourn*

**Hosts:**

- Texas Industries of the Future
- Houston Business Roundtable
- US Department of Energy Industrial Technologies Program

**Sponsors:**

- South Texas Section of the American Institute of Chemical Engineers
- State Energy Conservation Office
- Texas Commission on Environmental Quality

**Lodging:**

Hotels near Hobby Airport are 5.5 miles from the conference site, which is on the Houston Ship Channel. The Hilton Hobby offers a \$99/night special as well as a federal and state rate. Phone is 713-645-3000 and mention the Houston Business Roundtable to receive the special rate. Other hotels near Hobby Airport include the Marriott, Holiday Inn, Drury Inn and Hampton Inn.

## Registration Form

### “Industrial Source NO<sub>x</sub> Reduction Technologies and Strategies”

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Brady’s Landing  
8505 Cypress St., Houston , Texas  
8 am-4:30 pm

Texas Industries of the  
Future and the Houston  
Business Roundtable

Aug. 24, 2004

Fee: \$50. Includes  
continental breakfast,  
lunch and two breaks.

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Fax reservation to 713-645-2812 or Email [houbrt@msn.com](mailto:houbrt@msn.com)

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Name \_\_\_\_\_

Company \_\_\_\_\_

Telephone \_\_\_\_\_

Address \_\_\_\_\_

E-mail \_\_\_\_\_

Title \_\_\_\_\_

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Members Only**) \_\_\_\_\_

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**We accept VISA/MasterCard/American Express Only**

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To cancel a reservation, please contact HBR no later than August 21<sup>th</sup> or you will be charged.