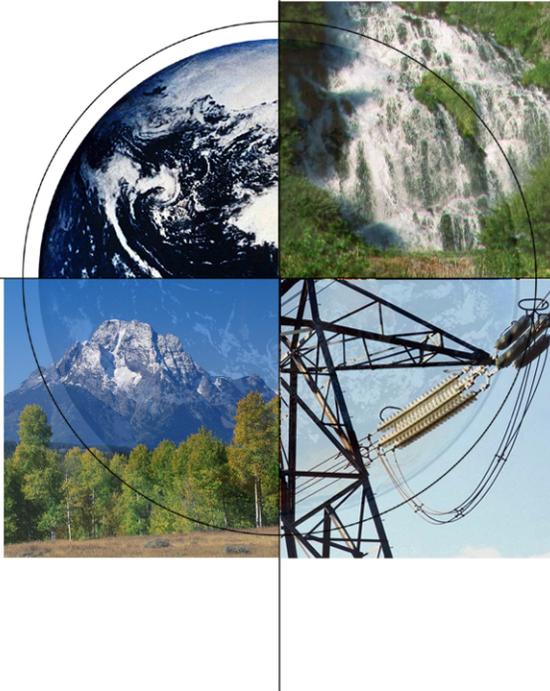


DOE / NETL Mercury Control Research



*Hyatt Hotel
Pittsburgh, PA*

July 14-15, 2004

Lynn A. Brickett

National Energy Technology Laboratory



Previously Discussed Hg R&D Challenges

- **By-product use and disposal**
- **Capture effectiveness with low rank coals**
- **Longer-term removal**
- **Balance-of-plant impacts**
- **Continuous emission monitors**



Existing Hg R&D Questions

- **Need longer term field tests to better define costs and performance**
- **Issues:**
 - Balance of Plant Issues
 - Texas Lignites
 - Downtime for startup
 - Optimized performance
 - Sorbent costs
 - CEMs



State Hg Regulations

- **Massachusetts**

- Phase I – Jan. 2008 – 85% or .0075 lbs /net GW hour

- Phase II – Oct 2012- 95% or .0025

Lbs /net GW hour

- **Connecticut**

- Phase I – July 2008 - .6 lbs./tbtu

- 2012- DEP revisit

- **Wisconsin**

- Same as Connecticut



Solicitation Update

- **Hg – Phase II, Round II**
 - Closed April, 2004
 - Proposals received and reviewed
 - Announcements...
Not Today
 - Selections & Awards:
September, 2004
- **CUBs – Hg field testing materials analyses**
 - Solicitation expected July
 - Due – August 30, 2004
 - Selections: End of September
 - Awards: End of 2004

Fundamental Hg Research – ARTD



Future Hg R&D

- **Competitive solicitation in FY 06**
 - Long-term Field Testing Key Research Need
 - 90% removal
- **Seeking stakeholder input:**
 - Coal types
 - Plant size and configuration
 - Testing duration



Mercury Project Managers



Sorbent Injection – EERC
Sorbent Technologies
Other:
CONSOL
Powerspan

Lynn Brickett



Oxidation catalysts- URS

Bruce Lani



Sorbent Injection – ADA ES

Andy O'Palko



MerCAP – URS
Plume Work - EPRI

Bill Aljoe



Mercury Project Managers



Sorbent Injection- URS

Dawn Chapman



Combustion Mod-
GE

Peter Botros



Texas Lignite - EERC

Bob Patton



Calcium Sorbent-
SRI

Barbara Carney



Mercury Project Managers – New Faces



Hg measurement- EERC

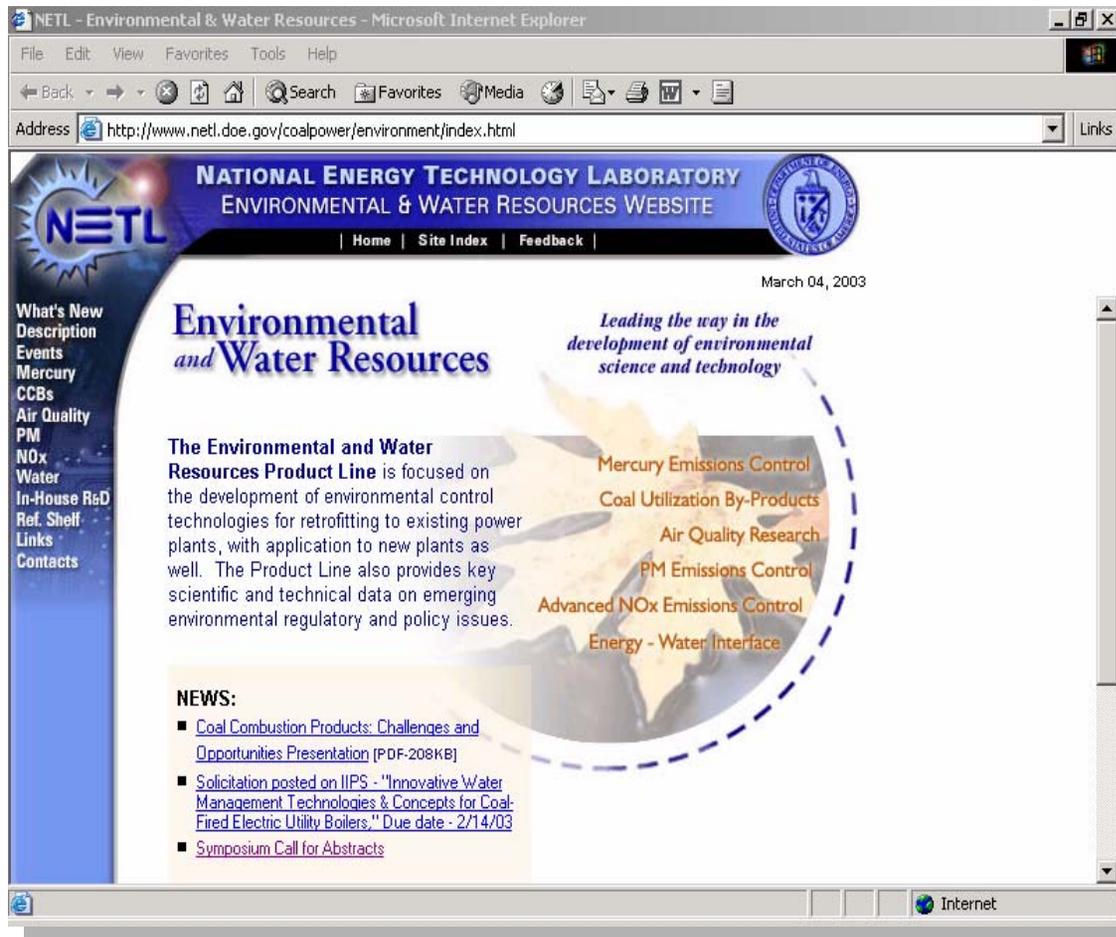
Sara Pletcher



Hg/wallboard-
URS

Chuck Miller

Website and Hg Listserve



To find out more about DOE-NETL's Hg R&D activities visit us at:
www.netl.doe.gov/coalpower/environment

