

AGENDA

FY15 Carbon Capture Peer Review March 16 – 20, 2015 Sheraton Station Square Pittsburgh, PA

Monday, March 16, 2015 – Ellwood Room

- 7:00 – 8:00 a.m. **Registration – 2nd Floor Foyer**
- 8:00 – 8:45 a.m. **Peer Review Panel Kick-Off Meeting**
Open to National Energy Technology Laboratory (NETL) and
ASM International staff only
- NETL and ASM International Welcome
 - Role of Panel Chair
 - Peer Review Process Overview
 - Meeting Logistics
- 8:45 – 9:15 a.m. **Technology Manager/Office of Performance & Benefits (OPPB) and Panel Q&A** Open
to NETL and ASM International staff only
- Carbon Capture Technology Manager – Lynn Brickett, NETL
 - OPPB
- 9:15 – 9:30 a.m. **BREAK**
- 9:30 – 10:00 a.m. **01 – Project # FE0013118 – Bench-Scale Development of a Hybrid Membrane Absorption
CO₂ Capture Process**
Brice Freeman - Membrane Technology and Research Inc.
- 10:00 – 10:30 a.m. Q&A
- 10:30 – 12:00 p.m. Discussion
- 12:00 – 1:00 p.m. **Lunch (on your own)**
- 1:00 – 1:30 p.m. **02 – Project # FE0012926- – An Advanced Catalytic Solvent for Lower Cost Post-
Combustion CO₂ Capture in a Coal-fired Power Plant**
Kunlei Liu - University of Kentucky
- 1:30 – 2:00 p.m. Q&A
- 2:00 – 3:30 p.m. Discussion

Tuesday, March 17, 2015 – Ellwood Room

- 7:00 – 8:00 a.m. **Registration – 2nd Floor Foyer**
- 8:00 – 8:30 a.m. **03 – Project # FE0013687** – Bench-Scale Process for Low-Cost Carbon Dioxide (CO₂) Capture Using a Phase-Changing Absorbent
Tiffany Westendorf - GE Global Research
- 8:30 – 9:00 a.m. Q&A
- 9:00 – 10:15 a.m. Discussion
- 10:15 – 10:30 a.m. **BREAK**
- 10:30 – 11:00 a.m. **04 – Project # FE0013122** – Supersonic Post-Combustion Inertial CO₂ Extraction System
Vladimir Balepin - Alliant Techsystems Operations LLC
- 11:00 – 11:30 a.m. Q&A
- 11:30 – 12:45 p.m. Discussion
- 12:45 – 1:45 p.m. **Lunch (on your own)**
- 1:45 – 2:15 p.m. **05 – Project # FE0012870** – Sorbent Based Post-Combustion CO₂ Slipstream Testing
Jeannine Elliott - TDA Research Inc.
- 2:15 – 2:45 p.m. Q&A
- 2:45 – 4:00 p.m. Discussion

Wednesday, March 18, 2015 – Ellwood Room

- 7:00 – 8:00 a.m. **Registration – 2nd Floor Foyer**
- 8:00 – 8:30 a.m. **06 – Project # FE0013127** - Bench-Scale Development and Testing of Aerogel Sorbents for CO₂ Capture
Redouane Begag and George Gould - Aspen Aerogels Inc.
- 8:30 – 9:00 a.m. Q&A
- 9:00 – 10:15 a.m. Discussion
- 10:15 – 10:30 a.m. **BREAK**
- 10:30 – 11:00 a.m. **07 – Project # FWP-CC-FY14-T7** – Post-Combustion Membranes
Surendar Venna - National Energy Technology Laboratory (NETL)
- 11:00 – 11:30 a.m. Q&A
- 11:30 – 12:45 p.m. Discussion
- 12:45 – 1:45 p.m. **Lunch (on your own)**
- 1:45 – 2:15 p.m. **08 – Project # FWP-65872** – Accelerating the Development of “Transformation” Solvents for CO₂ Separations
David Heldebrant and Vassiliki-Alexandra Glezakou - Pacific Northwest National Laboratory (PNNL)
- 2:15 – 2:45 p.m. Q&A
- 2:45 – 4:00 p.m. Discussion

Thursday, March 19, 2015 – Ellwood Room

- 7:00 – 8:00 a.m. **Registration – 2nd Floor Foyer**
- 8:00 – 8:30 a.m. **09 – Project # FE0013105 – Pilot Testing of a Highly Effective Pre-Combustion Sorbent-Based Carbon Capture System**
Gokhan Alptekin - TDA Research Inc.
- 8:30 – 9:00 a.m. Q&A
- 9:00 – 10:15 a.m. Discussion
- 10:15 – 10:30 a.m. **BREAK**
- 10:30 – 11:00 a.m. **10 – Project # FE0012965 – Development of a Pre-Combustion Carbon Dioxide Capture Process Using High Temperature Polybenzimidazole Hollow-Fiber Membrane**
Indira Jayaweera - SRI International
- 11:00 – 11:30 a.m. Q&A
- 11:30 – 12:45 p.m. Discussion
- 12:45 – 1:45 p.m. **Lunch (on your own)**
- 1:45 – 2:15 p.m. **11 – Project # FE0012959 – Development of Mixed-Salt Technology for Carbon Dioxide Capture from Coal Power Plants**
Indira Jayaweera - SRI International and Prodip Kundu- OLI Systems
- 2:15 – 2:45 p.m. Q&A
- 2:45 – 4:00 p.m. Discussion

Friday, March 20, 2015 – Ellwood Room

- 7:00 – 8:00 a.m. **Registration – 2nd Floor Foyer**
- 8:00 – 8:30 a.m. **12 – Project # FE0013064 – Robust and Energy Efficient Dual-Stage Membrane-Based Process for Enhanced Carbon Dioxide Recovery**
Richard J. Ciora Jr. - Media and Process Technology Inc.
- 8:30 – 9:00 a.m. Q&A
- 9:00 – 10:15 a.m. Discussion
- 10:15 – 10:30 a.m. **BREAK**
- 10:30 – 11:30 a.m. **Wrap-up Session**