

AGENDA

FY14 Gasification Systems Peer Review

May 21 – 23, 2014

**Sheraton Station Square
Pittsburgh, PA**

Wednesday, May 21, 2014 – Ellwood I & II

- 7:30 – 8:30 a.m. **Registration – 2nd Floor Foyer**
- 8:30 – 9:00 a.m. **Peer Review Panel Kick-Off Meeting**
Open to National Energy Technology Laboratory (NETL) and
ASM International staff only
- Review of ASM International Process – Stanley C. Theobald, ASM International
 - Role of ASM International Panel Chair – James C. Sorensen, Sorensenergy, LLC
 - Peer Review Process Overview – David Wildman, Leonardo Technologies, Inc. (LTI)
 - Meeting Logistics – David Wildman, LTI
- 9:00 – 9:15 a.m. **Technology Manager and Panel Q&A** Open to NETL and ASM International staff only
- Gasification Systems Technology Manager – Jenny Tennant, NETL
- 9:15 – 9:30 a.m. **BREAK**
- 9:30 – 10:15 a.m. **Office of Program Performance & Benefits (OPPB) Support to the Gasification Systems
Program – Overview**
Kristin Gerdes, National Energy Technology Laboratory
- 10:15 – 10:35 a.m. Q&A/Discussion
- 10:35 – 11:20 a.m. **01 – Project # OPPB/PD-2 – IGCC Low Rank Coal Pathway Study**
Kristin Gerdes, National Energy Technology Laboratory
- 11:20 – 11:40 a.m. Q&A/Discussion
- 11:40 – 12:45 p.m. **Lunch (on your own)**
- 12:45 – 1:15 p.m. **02 – Project # FE0007859 – Feasibility Studies to Improve Plant Availability and Reduce Total
Installed Cost in IGCC Plants**
Christine Zemsky and Tom Leininger, General Electric Company
- 1:15 – 1:45 p.m. Q&A
- 1:45 – 3:00 p.m. Discussion
- 3:00 – 3:15 p.m. **BREAK**
- 3:15 – 4:00 p.m. **03 – Project # FWP-2012.03.03 Tasks 2, 3 and 4 – Advanced Gasification: Task 2, Refractory
Improvement; Task 3, Conversion and Fouling; Task 4, Low Rank Coal Optimization**
James Bennett and Chris Guenther, National Energy Technology Laboratory
- 4:00 – 4:30 p.m. Q&A
- 4:30 – 5:45 p.m. Discussion

Thursday, May 22, 2014 – Ellwood I & II

- 7:00 – 8:00 a.m. **Registration – 2nd Floor Foyer**
- 8:00 – 8:30 a.m. **04 – Project # FE0012122 – Hybrid Molten Bed Gasifier for Production of High Hydrogen Syngas**
David M. Rue, Gas Technology Institute
- 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. **05 – Project # FE0004895 – Engineering Design of Advanced H₂ CO₂ PD and PD/Alloy Composite Membrane Separations and Process Intensification**
Yi Hua Ma, Worcester Polytechnic Institute
- 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. **06 – Project # FE0012065 – Development of Ion Transport Membrane Oxygen Technology for Low-Cost and Low-Emission Gasification and Other Industrial Applications**
Lori L. Anderson, Air Products and Chemicals, Inc.
- 2:15 – 3:00 p.m. Q&A
- 3:00 – 4:15 p.m. Discussion
- 4:15 – 4:30 p.m. **BREAK**
- 4:30 – 5:00 p.m. **NETL Model Mapping Effort – Technical Gap Assessment in Support of Strategic Development and Application of Gasification Modeling Tools**
Open to NETL and ASM International staff only
Briggs White, National Energy Technology Laboratory
- 5:00 – 5:30 p.m. Q&A/Discussion

Friday, May 23, 2014 – Ellwood I & II

- 7:00 – 8:00 a.m. **Registration – 2nd Floor Foyer**
- 8:00 – 8:30 a.m. **07 – Project # FE0012066 – Benefits of Integrating Aerojet Rocketdyne and RTI Advanced Gasification Technologies for Hydrogen-Rich Syngas Production**
Brian Turk and David Denton, Research Triangle Institute
- 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**