



U.S. DEPARTMENT OF
ENERGY

Fossil Energy and
Carbon Management



Workshop on Measurement, Monitoring and Controlling Potential Environmental Impacts from the Installation of Point Source Capture

Agenda

National Carbon Capture Center &
Southern Company Energy Center

Birmingham, AL

June 7-8, 2023

Wednesday, June 7

1:30 PM National Carbon Capture Center Tour

Thursday, June 8

7:30 – 8:00 AM Registration Open

8:00 – 8:15 AM Introduction

8:15 – 8:45 AM Keynote

Dr. Jennifer Wilcox, U.S. Department of Energy, Office of Fossil
Energy & Carbon Management (DOE-FECM) (Virtual)

Dr. Sally Benson, Office of Science and Technology Policy, Executive
Office of the President (Virtual)

8:45 – 9:00 AM Objectives and Deliverables

Dan Hancu, DOE-FECM

- 9:00 – 9:30 AM** **State of the Knowledge: Emission Measurements and Mitigation Methods for Amine Chemistry**
Gary Rochelle, University of Texas – Austin (UT – Austin)
- 9:30 – 10:30 AM** **Panel 1: Baseline measurements & procedures: Past Pilots & Demos**
Moderator: Andrew HLasko, DOE-FECM
- 1. Demos:**
 Jenny McCahill, Carbon Engineering
 Cole Maas, Mitsubishi Heavy Industries
- 2. Large Pilots**
 Jak Tanthana, RTI
 Larry Baxter, Brigham Young University
- 10:30 – 10:45 AM** **Break**
- 10:45 – 12:00 PM** **Panel 2: Current Small/Large Pilots**
Moderator: Ron Munson, National Energy Technology Laboratory (NETL)
Matthew Stevenson, Svante
Erik Meuleman, ION Clean Energy
Minish Shah, Linde
Heather Nikolic, University of Kentucky
- 12:00 – 1:00 PM** **Lunch**
- 1:00 – 2:00 PM** **Panel 3: Analytical Methods to Measure Emissions**
Moderator: Michelle Corser, Southern Company Services
Eirik Falck da Silva, SINTEF
Tony Wu, Southern Company Services
Gary Rochelle, UT – Austin
David Luebke, NETL
- 2:00 – 2:45 PM** **Environmental Control Methods & Normal, Abnormal, and Emergency Operations**
Moderator: Lynn Brickett, Keylogic
Landon Lunsford, Southern Company Services
Rouzbeh Jafari, Technology Center Mongstad (TCM)
Jak Tanthana, RTI
Minish Shah, Linde
- 2:45 – 3:00 PM** **Break**
- 3:00 – 3:20 PM** **Analytical Method to Measure Total Amine Emissions**
William “Bill” Mitch, Stanford (virtual)

- 3:20 – 3:50 PM** **Atmospheric Dispersion Plume Modelling –**
Moderator: Jose Benitez, DOE-FECM
Eladio Knipping, EPRI / Prakash Karamchandani, Ramboll (virtual)
Rouzbeh Jafari, TCM
- 3:50 – 4:20 PM** **Environmental Impact of Capture Technology: A Review of
DOE-Sponsored FEED Studies**
Sally Homsy, Keylogic
- 4:20 – 4:50 PM** **Environmental Health Considerations**
Lee Ann Hill, PSE Healthy Energy
- 4:50 – 5:50 PM** **Breakout Sessions**
- 5:50 – 6:00 PM** **Wrap-up**