Atmospheric Chemistry and Dispersion Modelling of Non-CO ₂ Emissions from Carbon Capture National Carbon Capture Center & Southern Company Energy Center November 21, 2024		
8:00 – 8:30 AM	Check-in and breakfast buffet	
	Moderator: Ron Munson (NETL)	
8:30 – 8:45 AM	Meeting Objectives and Overview DOE-Fossil Energy and Carbon Management (FECM)	
8:45 – 9:30 AM	Overview Atmospheric Chemistry and Dispersion Modelling of Non-CO $_2$ Emissions Activities across Federal Agencies	
 8:45 – 8:55 AM Fossil Energy and Carbon Management (FECM) Activities Dan Hancu (FECM) 8:55 – 9:05 AM Office of Clean Energy Demonstration (OCED) Activities Gokul Vishwanathan (OCED) 9:05 – 9:15 AM Environmental Protection Agency (EPA) Activities Andy Gillespie (EPA/ORD) 9:15 – 9:30 AM Questions & Answers 		
9:30 – 10:00 AM	Case Study: Measurements and Modelling of Non-CO ₂ Emissions at Technology Center Mongstad (Norway) Rouzbeh Jafari (TCM) and Armin Wisthaler (University of Oslo))	
10:00 – 10:30 AM	Case Study: Sustainable Operation of Post-Combustion Capture Plants (SCOPE) Project Anna Korre (Imperial College London)	
10:30 – 10:45 AM	Case Study: Amine-based Carbon Capture Secondary Emissions – A Review of the Regulatory Landscape Rafay Anwar (CCS Knowledge Center)	
10:45 – 11:00 AM	Refreshment Break	
11:00 – 12:00 PM	Panel: Non-CO ₂ Emission Measurements <i>Moderator: Sara Hamilton (DOE-FECM)</i> Gary Rochelle (University of Texas Austin), Armin Wisthaler (University of Oslo), Lauren Burrows (NETL), Tony Wu (NCCC), David Berkowitz (EPA/OAQPS)	

12:00 – 1:00 PM Lunch buffet







1:00 – 2:00 PM	Panel: Environmental Chamber Experiments and Computational Modeling of Atmospheric Degradation Products Moderator: Lynn Brickett (KeyLogic) Sally Ng (Georgia Tech), Claus Nielsen (University of Oslo), Havala Pye (EPA/ORD)
2:00 – 3:00 PM	Panel: Atmospheric Chemistry and Dispersion Modeling of Non-CO ₂ Emissions Moderator: Jeff Hoffmann (DOE-FECM) Eladio Knipping (Electric Power Research Institute (EPRI)), Tim Canty (University of Maryland), Catheryn Price (Cambridge Environmental Research Consultants (CERC))
3:00 – 3:15 PM	Refreshment Break
	Moderator: Tim Fout (DOE-FECM)
3:15 – 3:35 PM	Talk: Sensitivity of Predicted Nitrosamine and Nitramine Concentrations to Model Input Parameters in ADMS6 Brian Dinkelacker (ExxonMobil)
3:35 – 4:00 PM	Talk: Environmental and Health Risk Assessments of Non-CO ₂ Emissions Matt Woody (EPA/OAQPS), Mark Higuchi (EPA/ORD) and Brian Shrager (EPA/OAQPS)
4:00 – 4:25 PM	Talk: Evaluation of Atmospheric Chemistry and Dispersion Models Clint Tillerson (EPA/OAQPS) and Rob Pinder (EPA/ORD)
4:25 – 4:50 PM	Case-Study: Measurements and Modelling of Non-CO ₂ Emissions from Different Amine-based CO ₂ Capture Plants in Australia, Norway, Canada and China Merched Azzi (Department of Climate Change, Energy, the Environment and Water, Australian Government)
4:50 – 5:00 PM	Concluding Remarks and Adjourn





