

Final Agenda
**Interagency Steering Committee on Performance and Risk Assessment
Community of Practice (P&RA CoP) Annual Technical Exchange Meeting**

October 17-19, 2017
Albuquerque and Los Alamos, New Mexico

OCTOBER 17, 2017 (TUESDAY)

LANL Site Field Trip (Optional)

Hosts: David Rhodes, Hai Shen, Steven Horak, and George Rael (DOE EM-LA) and Pete Maggiore (DOE NA-LA).

8:00 am	SNL vans depart from the front of the SNL CGSC Building (located at 10600 Research Rd., SE, Albuquerque, NM 87123) for the LANL site.
10:30 am	All trip participants to meet at the DOE Environmental Management Los Alamos (EM-LA) Field Office (located at 1900 Diamond Drive, Los Alamos, NM 87544).
10:30 – 11:00 am	LANL Site Badging inside the EM-LA Field Office. Meet with the DOE EM-LA Site Manager Doug Hintze.
11:00 am	Tour bus departs EM-LA Field Office for Otowi Cafeteria
11:10 am - Noon	Lunch at Otwoi Cafeteria
Noon	Tour bus departs Otowi Cafeteria for Pajarito Road near Area G
12:15 – 1:00 pm	Drive around Area-G from Pajarito Road, see domes from a distance, discuss cliff retreat, and discuss PA/CA needs. May stop along road turnout for presentation.
1:00 pm	Tour bus departs for Mortandad Canyon
1:15- 2:15 pm	Chromium Project overview at the overlook
2:15 pm	Tour bus departs for TA-21
2:30-3:15 pm	Technical Area 21 Material Disposal Area (MDA)-T for a project discussion on Nuclear Environmental Site and the buried shaft wastes.
3:15-3:30 pm	Tour bus returns to EM-LA Field Office
3:30 – 5:30 pm	Field Trip ends. SNL vans return to SNL CGSC Building in Albuquerque.

SNL PFLOTRAN Training Workshop (Optional)**Trainers:** Glenn Hammond, Jennifer Frederick, and Emily Stein (SNL).

8:00 am Meet at the SNL Badge Office, Room 1248 in the IPOC Building (located at 1611 Innovation Parkway SE, Albuquerque, NM 87123).

8:00 am – 5:00 pm Training

OCTOBER 18, 2017 (WEDNESDAY)

8:00 am Attendees without HSPD-12 badge pick up badge from the SNL Badge Office in the IPOC Building (located at 1611 Innovation Parkway SE, Albuquerque, NM 87123). (HSPD-12 badge holders go straight to the SNL CGSC Building).

8:00 – 8:30 am All participants register in Rooms 1154 & 1155 of the SNL CGSC Building (located at 10600 Research Rd., SE, Albuquerque, NM 87123).

8:30 – 8:35 am Opening Remarks, Ming Zhu (DOE EM)

8:35 – 8:45 am Host Remarks, Bob MacKinnon (SNL)

Keynote Presentations:

8:45 - 9:15 am DOE Management Remarks, Betsy Connell (DOE EM)

9:15 - 10:00 am Recent Developments in Disposal of the High Level Waste and Spent Nuclear Fuel, Peter Swift (SNL)

10:00 – 10:15 am Break

Session 1: Waste Isolation Pilot Plant (WIPP) Updates

10:15 - 10:45 am WIPP PA Sensitivity Studies in Support of CRA-2014 Completeness Determination & Compliance Decision, Todd Zeitler (SNL)

10:45 – 11:15 am PFLOTRAN Code Development for Waste Isolation Pilot Plant Performance Assessment, Glenn Hammond & Todd Zeitler (SNL)

11:15 – 11:30 am Impact of Drift Closure Length on the Long-Term Performance at WIPP, James Bethune (SNL)

11:30 am – 12:00 pm Panel Discussion, Todd Zeitler (SNL), Kathy Economy (EPA), and Ricardo Maetas (NMED)

12:00 – 1:00 pm Lunch

Session 2: NRC and DOE Regulatory Updates

1:00 – 1:15 pm Update on Current 10 CFR Part 61 Low-Level Waste Activities, Chris McKenney (NRC)

1:15 – 2:00 pm DOE Order 435.1 Disposal Authorization and Tank Closure Technical Standard, Roger Seitz (SRNL)

2:00 – 2:30 pm Examples of Special Analysis, Kent Rosenberger (SRR)

Session 3: Waste Disposal and Tank Farm Closure

2:30 – 3:15 pm Erosion Analysis for Los Alamos National Laboratory Material Disposal Area G, Philip Stauffer, Adam Atchley, and Kay Birdsell (LANL) and Kelly Crowell (Neptune)

Cliff Retreat Monitoring at Technical Area 54, Los Alamos National Laboratory, Elizabeth Miller, Kay Birdsell, Phil Stauffer, Adam Atchley, Sean French, and Brent Goehring (LANL)

3:15 – 3:30 pm Break

3:30 – 3:45 pm Requirements for the Vadose Zone Modeling in Making Regulatory Decisions, Dib Goswami and Cheryl Whalen (WA Ecology)

3:45 – 4:15 pm Central Plateau Vadose Zone Geoframework for the Hanford Site Composite Analysis Revision Scope, Alaa Aly (INTERA), Doug Hildebrand (DOE RL), and Will Nichols, Bruce Williams, Sarah Springer, Craig Arola, Travis Hammond, and Terry Tolan,(INTERA)

4:15 – 5:00 pm Hanford Integrated Disposal Facility Performance Assessment Technical Approach, Bob Andrews (INTERA), Kearn Pat Lee (WRPS) and Gary Pyles (DOE ORP)

5:00 – 5:30 pm Panel Discussion, Philip Stauffer (LANL), Dib Goswami (WA Ecology), Alaa Aly (INTERA), Bob Andrews (INTERA), Gary Pyles (DOE ORP), and Scott Kirk (BWXT)

OCTOBER 19, 2017 (THURSDAY)

Rooms 1154 & 1155 of the SNL CGSC Building (located at 10600 Research Rd., SE, Albuquerque, NM 87123)

Session 4: International Activities

8:30 – 9:00 am Overview of IAEA MODARA II Working Group 1, Tamara Yankovich (IAEA) and Ming Zhu (DOE EM)

9:00 – 9:30 pm Stakeholder Engaged, Risk-Informed Decision Making Framework, Paul Black (Neptune)

9:30 – 9:45 am Modeling of Resuspension: Prediction and Validation of Radioactive Dust Emissions from Contaminated Areas, Jeff Whicker (LANL)

9:45 – 10:00 pm Break

Session 5: Performance of Engineered Barriers

10:00 – 10:30 am Performance of Landfill Covers at Grand Junctions and Monticello Sites, Craig Benson (UVA)

10:30 – 11:00 am Cover System Differential Settlement Modeling, Te-Yang Soong (CTI)

11:00 – 11:30 am Panel Discussion, Craig Benson (UVA), Te-Yang Soong (CTI), Steve Dwyer (Dwyer), and George Alexander (NRC)

11:30 am – 12:30 pm Lunch

Session 6: Integration of Monitoring and Modeling

12:30 – 12:45 pm Waste Receipt during Operations of Disposal Facilities, Ed Winner (KY DEP)

12:45 – 1:15 pm Environmental Monitoring and Modeling at Former Mill Tailing Sites, Josh Linard (DOE LM)

1:15 – 1:45 pm Define End-State and Optimize Monitoring Program Using High-Performance Computing, Haruko Wainwright (LBNL)

1:45 – 2:15 am Panel Discussion, Ed Winner (KY DEP), Josh Linard (DOE LM), Haruko Wainwright (LBNL), Vicky Freedman (PNNL), and George Alexander (NRC)

Session 7: Environmental Remediation

2:15 – 2:30 pm Los Alamos National Laboratory Groundwater Projects, Michael Dale (NMED)

2:30 – 3:00 pm Machine Learning, Uncertainty Quantification, and Decision Analyses related to the LANL Groundwater Contaminant Remediation Projects, Monty Vesselinov (LANL)

3:00 – 3:15 pm Break

3:15 – 3:45 pm Panel Discussion: Monty Vesselinov (LANL) and Michael Dale (NMED)

Session 8: Other Program Updates and Open Discussion

3:45 – 4:15 pm Technology Readiness Assessment Process Applied to Post-closure Performance of Deep Geologic Repositories, Dave Sevougian (SNL)

4:15– 5:00 pm Discussions, All Participants

5:00 – 5:15 pm Summary and Future Activities, Ming Zhu (DOE EM)