Agenda for NWTRB Briefing at SNL on July16, 2015 Deep Borehole Disposal Field Test

8:00 a.m.	Introductions Introductory Remarks by DOE and NWTRB Overview of the Agenda (MacKinnon)
8:15 a.m.	 Overview of the Deep Borehole Disposal Concept (MacKinnon) Why deep borehole disposal? Wastes being considered for Deep Borehole Disposal Previous work related to the deep borehole disposal concept Objectives of the Deep Borehole Field Test (DBFT) Elements and Organization of the Field Test DOE Procurement of Site and Contracting Services and Status Schedule and Key Milestones International and Nuclear Energy University Program Activities
9:15 a.m.	 Geological Conditions and Site Evaluation (Sassani) Hydrogeology and Geochemistry of fluids at depth Site Evaluation Status Site Evaluation Process Technical Siting Guidelines Evaluation of Technical Siting Guidelines using the Regional Geology GIS Database
10:15 a.m.	Break
10:30 a.m.	 DBFT Site Characterization (Kuhlman) Deep drilling experience in crystalline rocks Characterization Borehole (CB) Characterization Targets and Methods CB Profiles Borehole Breakouts Environmental Tracers Hydrogeologic Testing
11:30 a.m.	Break and Working Lunch
11:45 a.m.	 DBFT Engineering (Hardin) Borehole Emplacement Concepts Borehole Environment Disposal Overpack/Waste Package Design Concepts Safety of Emplacement Operations Borehole and Overpack Tradeoffs Waste Canister – Overpack Design Interface

	Borehole Seals
	DBD Requirements and Assumptions Flowdown
12:45 p.m.	Deep Borehole Emplacement Mode Hazard Analysis (Sevougian)
	Main purpose of Emplacement Mode Hazard Analysis
	Assumed limitation on event consequences
	Choice of hazard/risk analysis technique
	• Event Tree Analysis and Fault Tree Analysis
	 Potentially hazardous events for wireline emplacement
	 Preliminary fault tree for wireline emplacement
	Accident/failure databases
	• Future work
1:15 p.m.	Licensing and Post-Closure Safety Assessment (Freeze)
	Basis for long-term isolation
	Licensing Considerations
	Potential Regulatory Topics
	DBD Conceptual Model
	Coupled Process Models
	DBD Performance Assessment Model
	Sensitivity Analyses
	Performance Assessment Results
2:00 p.m.	Discussion
4:00 p.m.	Adjourn