

Subsurface Investigation Workshop
August 1-3, 2011
National Renewable Energy Laboratory, Golden, Colorado
Agenda

Monday, August 1, 2011 - 8:00-5:00

Time	Topic	Presenter
8:00-8:30	Introduction	Sferrazza (NREL)
8:30-8:45	Background	Luhring (SRS)
8:45-9:00	Excavation Incidents	Inskeep (INL)
9:00-9:15	Best Practice # 78	Oldham (Y12)
9:15-9:30	Best Practice# 75	Luhring (SRS)
9:30-9:45	Best Practice # 84	Inskeep (INL)
9:45-10:00	BREAK	
10:00-10:30	Program Summary	INEL
10:30-11:00	Program Summary	ORNL
11:00-11:30	Program Summary	Sandia
11:30-1:00	LUNCH	
1:00-1:30	Program Summary	Y12
1:30-2:00	Program Summary	NREL
2:00-2:30	Program Summary	SRS
2:30-2:45	Break	
2:45-3:15	Program Summary	Pantex
3:15-3:45	Program Summary	Livermore
3:45-5:00	Day 1 Recap and Day 2 Agenda	Sferrazza (NREL)

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Tuesday, August 2, 2011 - 8:00-5:00

Time	Topic	Presenter
8:00-8:30	Day 1 Recap	Sferrazza (NREL)
8:30-9:00	Marker Balls/Arc Pro	INL
9:00-9:30	Trimble Total Station	INL
9:30-10:00	Trimble GEO XT6000 GPS Receiver	NREL's contractor SiteWise
10:00-10:15	BREAK	
10:15-10:45	Mala – Mira	INL
10:45-11:15	Mala – CX11/CX12	INL
11:15-11:45	EM61	INL
11:45-1:15	LUNCH	
1:15-1:45	RF Overview - Hilti Ferrosan	INL
1:45-2:15	GSSI Model SIR 3000 GPR	Bennie Brewer (broadcast from ORNL)
2:15-2:45	Campus Info Modeling	David Belcher (ORNL)
2:45-3:00	Break	
3:00-3:30	Vacuum Excavation	NREL's contractor SiteWise
3:30-4:30	Sandia Tools/ Techniques	Israel Martinez(Sandia)
4:30-5:00	Day 2 Recap and Day 3 Agenda Group Discussion – “Big Deals”	Sferrazza (NREL)
6:00	Group BBQ (optional)	Sferrazza (NREL)

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Wednesday, August 3, 2011 - 8:30-5:00

OVERVIEW DAY 3

Day 3 will be a field demonstration. NREL will be replacing their main service entrance electrical feeder at NREL's wind site. This feeder extends for a ½ mile, and is very near other site utilities at various locations. We will locate this feeder according to best practices. INL will be demonstrating how to best perform a subsurface utility utilizing some of the tools discussed and demonstrated on Day 2.

Time	Topic	Presenter
8:30	Day 3 Agenda / Orientation	Sferrazza (NREL)
8:30-9:30	Location Equipment #1	S Williams (INL)
9:30-9:45	BREAK	
9:45- 11:00	Location Equipment #2	S Williams (INL)
11:00-12:30	LUNCH	
12:30-1:30	Location Equipment #3	S Williams (INL)
1:30-2:30	Location Equipment #4	
2:30-2:45	Break	
2:45-3:45	Location Equipment #5	S Williams (INL)
3:45-5:00	General Group Discussion	Sferrazza (NREL)
	Workshop Closure	

Participating sites:

Site	Representative	Email
Y12	Virginia Oldham	oldhamva@y12.doe.gov
SRS	James Luhning	james.luhning@srs.gov
ORNL	Mark Matthews	mathewsme@ornl.gov
INL	Dave Inskeep	David.Inskeep@inl.gov
Livermore	Gary Dreifuerst	dreifuerst1@llnl.gov
Sandia	Marc Williams	mwilli4@sandia.gov
Pantex	Heath Garrison	hgarriso@pantex.com
Los Alamos	Rick Baca	Rick_b@lanl.gov
AEC (EFCOG member)	Scott Rogers	Scott.Rogers@aecom.com