

□ SCDES Detailed Inspection Training Presentation

Proposed Agenda

Date: TBD
Time: 8:30am – 4:30pm
Location/Call in Details: SCDES Peeples Auditorium
Prepared by: Heather Hyde, CDM Smith

Presentation Agenda and Timeline:

Part 1: Detailed Dam Safety Inspections

Recommended duration: 120 minutes includes 15 minute Q&A (2 PDH). Added 10 minute break

Duration	Topic	Start	End
10	Introductions, Purpose and Training Objectives	8:30 AM	8:40 AM
10	Detailed Inspections Overview	8:40 AM	8:50 AM
10	SCDES Dam Inventory and Statewide Challenges	8:50 AM	9:00 AM
10	Detailed Inspection Process Phase 1: Planning & Desktop Study	9:00 AM	9:10 AM
20	Detailed Inspection Process Phase 2: Field Inspections & Investigations	9:10 AM	9:30 AM
20	Detailed Inspection Process Phase 3: Analysis, Alternatives, and Reporting	9:30 AM	9:50 AM
10	BREAK	9:50 AM	10:00 AM
10	Considerations for South Carolina and Key Takeaways	10:00 AM	10:10 AM
10	Best Practices and Lessons Learned	10:10 AM	10:20 AM
5	Conclusion and Resources	10:20 AM	10:25 AM
15	Questions and Answers	10:25 AM	10:40 AM

Part 2 – Hydrology and Hydraulics

Recommended duration: 150 minutes with 25 minute Q&A (2.5 PDH). Added 60 minute lunch break

Duration	Topic	Start	End
5	Introductions and Purpose Training Objectives	10:40 AM	10:45 AM
10	Available Data & Regulatory Requirements	10:45 AM	10:55 AM
15	Hydrologic and Watershed Characteristics	10:55 AM	11:10 AM
25	Dam Hydraulics	11:10 AM	11:35 AM
25	Dam Breach Analysis	11:35 AM	12:00 PM
60	LUNCH	12:00 PM	1:00 PM
15	Incremental Consequence Analysis	1:00 PM	1:15 PM
30	Detailed Example of ICA	1:15 PM	1:45 PM
25	Questions and Answers	1:45 PM	2:10 PM

Part 3 – Geotechnical and Structural Evaluations

Recommended duration: 130 minutes with 20 minute Q&A (2.0 PDH). Added 10 minute break

Duration	Topic	Start	End
5	Introduction and Design Objectives	2:10 PM	2:15 PM
10	Field Investigations and Site Characterization	2:15 PM	2:25 PM
15	Geophysical Survey Methods	2:25 PM	2:40 PM
10	BREAK	2:40 PM	2:50 PM
15	Borings, Sampling, CPT, SPT, VST	2:50 PM	3:05 PM
15	Structural Testing Methods	3:05 PM	3:20 PM
15	Instrumentation and Monitoring Programs	3:20 PM	3:35 PM
15	Laboratory Testing and Parameter Development	3:35 PM	3:50 PM
10	Geotechnical and Structural Analyses	3:50 PM	4:00 PM
10	Mitigation Planning and Transition to Discussion	4:00 PM	4:10 PM
20	Questions and Answers	4:10 PM	4:30 PM