



SCDES Detailed Inspection Training Presentation

Proposed Agenda

Date: Nov 4th, 2026
Time: 8:30am – 5:00pm
Location: SCDES Peeples Auditorium
Prepared by: Heather Hyde

Presentation Agenda and Timeline:

Part 1: Detailed Dam Safety Inspections

Duration: ~120 minutes including 20 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
15	Detailed Inspection Process Phase 2: Field Inspections & Investigations	9:10 AM	9:25 AM
10	Q&A	9:25 AM	9:35 AM
10	BREAK	9:35 AM	9:45 AM
20	Detailed Inspection Process Phase 3: Analysis, Alternatives, and Reporting	9:45 AM	10:05 AM
10	Considerations for South Carolina and Key Takeaways	10:05 AM	10:15 AM
10	Best Practices and Lessons Learned	10:15 AM	10:25 AM
5	Conclusion and Resources	10:25 AM	10:30 AM
10	Q&A	10:30 AM	10:40 AM

Part 2 – Hydrology and Hydraulics

Recommended duration: ~150 minutes including 30 minute Q&A (2.5 PDH). Added 60 minute lunch

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
15	Q&A	11:35 AM	11:50 AM
60	LUNCH	11:50 AM	12:50 PM
25	Dam Breach Analysis	12:50 PM	1:15 PM
15	Incremental Consequence Analysis	1:15 PM	1:30 PM
25	Detailed Example of ICA	1:30 PM	1:55 PM
15	Q&A	1:55 PM	2:10 PM
10	BREAK	2:10 PM	2:20 PM

Part 3 – Geotechnical and Structural Evaluations

Recommended duration: ~150 minutes including 30 minute Q&A (2.5 PDH). Added 10 minute break

Duration	Topic	Start	End
5	Introduction and Design Objectives	2:20 PM	2:25 PM
10	Field Investigations and Site Characterization	2:25 PM	2:35 PM
15	Geophysical Survey Methods	2:35 PM	2:50 PM
15	Borings, Sampling, CPT, SPT, VST	2:50 PM	3:05 PM
10	Q&A	3:05 PM	3:15 PM
10	BREAK	3:15 PM	3:25 PM
15	Structural Testing Methods	3:25 PM	3:40 PM
15	Instrumentation and Monitoring Programs	3:40 PM	3:55 PM
15	Laboratory Testing and Parameter Development	3:55 PM	4:10 PM
10	Geotechnical and Structural Analyses	4:10 PM	4:20 PM
10	Mitigation Planning and Transition to Discussion	4:20 PM	4:30 PM
20	Q&A	4:30 PM	4:50 PM
10	Closing Statements	4:50 PM	5:00 PM