



Leveraging PFMA's to Perform SQRA's

5-Day Virtual Course, March 22-26, 2021

Daily Times: Pacific 0830-1330
 Mountain 0930-1430
 Central 1030-1530
 Eastern 1130-1630

Note: Participants are encouraged to read the Evans Creek Dam data package prior to the workshop

Agenda

Day 1

Time (minutes)	Topic	Presenter
15	Introduction	USSD
45	Risk Assessment Framework	John France
30	Review of the PFMA process	Gregg Scott
30	SQRA Process Including Portfolio Considerations	Gregg Scott
15	Preparing for a PFMA/SQRA and Most Significant PFM's	Bill Fiedler
30	Break	
60	Evans Creek Dam Exercise	Gregg Scott
60	Life Safety Consequence Categorization	Bill Fiedler
15	Screening Level Seismic Loading	John France

Day 2

Time (minutes)	Topic	Presenter
60	Screening Level Hydrologic Loading (Introduction)	Mel Schaefer
45	Strategies for Facilitating and Efficiently Estimating Failure Likelihood	John France
30	Non-Life Safety Consequences	Bill Fiedler
30	Break	
60	Potential Failure Mode Development Part 1 Concrete Dam Foundations	Gregg Scott

60	Potential Failure Mode Development Part 2 Flood Overtopping	Bill Fiedler
15	Discussion and Questions	All

Day 3

Time (minutes)	Topic	Presenter
90	Potential Failure Mode Development Part 3 Internal Erosion Failures with Case Histories	John France
45	Building the Case	Gregg Scott
30	Break	
60	Potential Failure Mode Development Part 4 Operational Failures with Case Histories	Bill Fiedler
60	Screening Level Hydrologic Loading (methodology)	Mel Schaefer
15	Discussion and Questions (on anything so far)	All

Note: Participants should have read the Tributary Dam data package prior to Day 4

Day 4

Time (minutes)	Topic	Presenter
30	Preparation for Practicum	Gregg Scott
270	Practicum – Participants to complete SQRA for example dam in small groups (“breakout rooms”). A “facilitator” is appointed for each group. Teams will take a 30-minute break as needed.	Facilitators

Day 5

Time (minutes)	Topic	Presenter
180	Breakout teams continue to work. Teams will take a 30-minute break as needed. Teams will report back to the “main room” at the end of 3 hours.	Facilitators
90	Breakout Teams Report on Their Results	Teams
30	Panel Q and A and wrap-up	4 Instructors