

Dam Surveillance and Monitoring Workshop

Agenda

August 12-13, 2015

Target Audience:
Dam Safety and Instrumentation Engineers for Licensees and Consultants

Speakers will include:
FERC staff including Messrs. Justin Nettle, Will Brown, Eric Kennedy, and Owner(s) to be determined.

2015 is the ten year anniversary of the establishment of the Dam Safety Performance Monitoring Program (DSPMP)/Potential Failure Modes Analysis (PFMA), as published in Chapter 14 of the Engineering Guidelines. In the ten year history of the formal program, many lessons have been learned through success and failure, of the importance of a robust, targeted surveillance and monitoring program, based on a dam's unique potential failure modes. This workshop will focus on the why and what of FERC's guidelines on DSPMP, including recent changes, best practice review and presentation methods for DSSMR's, the importance of defining threshold and action levels based on a dam's expected performance, and case histories documenting the good and bad of the last ten year's of surveillance. Two sessions will allow the audience to participate in developing and evaluating monitoring. A session is reserved for open discussion on any proposals to revise the guidelines, and to develop a process to review and recommend proposed revisions.



Wednesday, August 12, 2015

- 0800 Welcome & Introductions of Audience Members
- 0815 Objectives of This Workshop
- 0830 Why Surveillance and Monitoring? To Prevent a Dam Failure
- 0900 Elements and Design of Dam Safety Surveillance and Monitoring Program (DSSMP) – Use of Visual and Instrumental Surveillance
- 0930 BREAK (15 min.)
- 0945 Overview of FERC SMP Guidelines, Chapters 9 and 14, Appendices J and K
- 1030 Recent Changes to DSSMP and DSSMR
- 1100 FERC Expectations in Owner Review of DSSMP/DSSMRs
- 1130 Questions
- 1145 Lunch (1 hr 30 min)
- 1315 Threshold and Action Levels – Definitions And Meanings
- 1345 Exercise – Develop a DSSMP with PFMs In Mind
- 1515 BREAK (15 min.)
- 1530 Best Practices in Dam Safety Surveillance and Monitoring Programs
- 1615 Questions and Wrap up

Thursday, August 13, 2015

- 0800 Questions from Day One
- 0815 CEATI-DSIG
- 0830 Exercise – DSSMR Review\Critique
- 1000 BREAK (15 min)
- 1015 Wanapum Case Study – Mixed Success
- 1045 Leaburg-Waltermville – Successful Monitoring
- 1115 Cushman #1
- 1145 Lunch (1 hr 30 min)
- 1315 1. Chilhowee Embankment
2. Northfield Mtn.
3. Dam Safety Surveillance for the People
- 1500 BREAK (15 min)
- 1515 Possible Process for Revisions to Guidelines – Participation by Licensees and Consultants
- 1600 Questions and Wrap up

VENUE

911 Building Auditorium
(Old Bonneville Power Building)
911 NE 11th Avenue
Portland, Oregon 97232

REGISTRATION INFORMATION

Registration is free but will be limited to 80 participants.

To register, please go to the event date on the FERC Calendar at:

<http://www.ferc.gov/EventCalendar/>

REGISTRATION INFORMATION (CONT)

Contact:

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Phone: 202-502-6396
Email: Natalie.Leech@ferc.gov

LODGING INFORMATION

Doubletree by Hilton – 0.1 mi
1000 NE Multnomah Street, Portland, OR
(503) 281-6111 – <http://www.doubletreereportland.com/>

Residence Inn Portland Downtown – 0.3 mi
1710 NE Multnomah Street, Portland, OR
(503) 288-1400 –
<http://www.marriott.com/hotels/travel/pdxlc-residence-inn-portland-downtown-lloyd-center/>

TRAVEL INFORMATION

From the Portland International Airport:

Board the TriMet light rail Red Line toward Beaverton at PDX. Exit train at the Lloyd Center/11th Ave Station. Venue will be ½ block south on 11th Ave on the west side of the street.

PRESENTATIONS

Presentations will be made available to attendees after the workshop.