

Risk-Informed Decision Making (RIDM) RIDM Basics Workshop

Agenda

March 10 - 12, 2014

Target Audience:
Dam Safety Engineers for Licensees and Consultants

Speakers will include:
Messrs. Patrick Regan, David Lord, Eric Gross, and Frank Blackett for the FERC

The Federal Energy Regulatory Commission's Division of Dam Safety and Inspections has historically utilized a criteria-based decision-making framework in its dam safety program. The Commission's 2009-2014 Strategic Plan has a stated objective to minimize risk to the public. One strategy to achieve this goal has been identified as incorporating risk-informed decision-making (RIDM) into the Commission's dam safety program. This course has been designed to both keep the FERC dam safety community apprised of our progress in implementing RIDM and to provide training in basic dam safety risk concepts and procedures and the RIDM Guidelines.



Monday, March 10, 2014

- 1300 Welcome & Introductions of Audience Members
- 1315 Risk-Informed Decision Making (RIDM) Basics
- 1345 RIDM Training Tool (TT) Concepts – Likelihood
- 1415 RIDM TT Concepts – Consequences
- 1445 BREAK (15 min.)
- 1500 RIDM TT Small Group Procedure - Example PFM
- 1530 Break into Small Groups – Brainstorm Example PFMs – Develop list Bring Laptops
- 1645 Questions – Submit PFM List
- 1700 Wrap up

Tuesday, March 11, 2014

- 0800 Comments/Concerns/Questions
- 0830 Small Groups – Refine 2 Example PFMs (selected by RIDM Risk Team) – Develop event tree for these 2 – Estimate Confidence
- 0915 Small Groups - Develop Consequence Categories/Estimate Confidence
- 1000 Break
- 1015 Develop Making the Case Presentation
- 1115 Questions – Submit presentations
- 1130 Reports of All Small Groups (15 minutes max) – Plot 2 Example PFMs on Matrix, Make the Case for PFMs and Consequences
- 1200 LUNCH (1 hr)
- 1300 Reports of All Small Groups (15 minutes max) – Make the Case
- 1415 RIDM Training Tool Exercise PFMs - Discussion
- 1500 BREAK
- 1515 Report on RIDM Engineering Guidelines

- 1615 Risk Analysis
- 1645 Comments/Concerns/Questions
- 1700 Wrap-up

Wednesday, March 12, 2014

- 0800 Comments/Concerns/Questions
- 0815 Event Trees
- 0900 Internal Erosion
- 1000 BREAK (15 min)
- 1015 Concrete and Embankment Dams
- 1045 Probabilistic Flood Hazard Analysis
- 1130 Probabilistic Seismic Hazard Analysis
- 1200 Lunch
- 1300 Dam Break Analysis
- 1325 Consequences – Life Loss
- 1425 Consequences – Economics
- 1445 Break
- 1500 Risk Assessment
- 1600 How to Prepare for a Pilot Risk Analysis
- 1630 Comments/Concerns/Questions
- 1700 Wrap-up

VENUE

Double Tree by Hilton – Madison
525 West Johnson Street
Madison, Wisconsin 53703
608-251-5511

REGISTRATION INFORMATION

Registration is free but will be limited to 70 participants. RIDM Basics workshops are planned for May 6-8, 2014 in Portland, OR, and early summer on the east coast.

REGISTRATION INFORMATION (CONT)

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

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

Contact:

Natalie Leech
FAX: 202-219-2731
Phone: 202-502-6396
Email: Natalie.Leech@ferc.gov

LODGING INFORMATION

The conference is to be held at the Double Tree by Hilton-Madison. Conference lodging cost is \$94, with reference code R1T, or http://doubletree.hilton.com/en/dt/groups/personalized/M/MSNDTDT-R1T-20140309/index.jhtml?WT.mc_id=POG

Final date for conference rate is February 18, 2014

TRAVEL INFORMATION

Dane County Regional Airport-Truax Field

Courtesy Bus	7am-10pm
Rental Car	prices vary-at airport
Taxi	15.00 USD

General Mitchell International Airport

75 miles from Hotel	Drive time: apprx. 90 min.
Bus Service	\$20-25 via Badger Bus
Rental Car	Prices vary - at airport

PRESENTATIONS

Previous presentations available at <http://www.ferc.gov/industries/hydropower/safety/initiatives/risk-informed-decision-making.asp>