

Risk-Informed Decision Making (RIDM) Level 1

Preliminary Agenda

December 4 and 5, 2012

Target Audience:
Dam Safety Engineers for Licensees and Consultants

Speakers will include:
Messrs. Patrick Regan, David Lord, and Eric Gross, for the FERC; an owner, and a consultant to be announced

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 an introductory training in Risk concepts for dam safety.



Day 1, December 4, 2012

- 0800 Welcome and Introductions
- 0820 Benefits to Owners
- 0845 Definitions of key terms
- 0915 What does FERC mean by RIDM?
Why is the FERC moving towards RIDM?
- 0945 Thought of a Consulting Engineer
- 1000 BREAK
- 1015 Owner's Perspective
- 1030 How will it develop its RIDM program?
Revisions of FERC's Engineering Guidelines and Operating Manual
- 1115 Qualitative Risk Analysis - Concepts
- 1200 LUNCH
- 1315 Quantitative Risk Analysis – Basic Concepts
- 1330 Consequences
- 1400 What's involved in Risk Analysis / Risk Assessment? A simplistic example
- 1530 BREAK
- 1545 Overview of Southern California Edison Risk Assessment Program
- 1600 Overview of Mid-Columbia Pilot Risk Analyses.
- 1615 Probabilistic Analyses (concrete dam example)
- 1700 Day One Wrap

DAY 2, December 5, 2012

- 0800 Summation of Comments /Concerns/Questions
- 0930 Risk Light – Failure Modes/Event Trees and Reservoir Exceedance
- 1000 Internal Erosion
- 1015 BREAK
- 1030 Revisit West Pass Dike for Internal Erosion PFM
- 1100 Operational Failure Modes
Probabilistic Seismic Hazard Assessment
- 1130 Flood Frequency Analyses
- 1200 – LUNCH
- 1315 Uncertainty/Confidence
- 1330 Risk Assessment, Making the Case
Risk-Informed Decision Making
- 1400 BREAK
- 1415 What Owners Can Do
- 1500 Comments/Concerns/Questions
- 1630 Solicit help/Wrap

VENUE

Renaissance Blackstone Chicago Hotel
636 South Michigan Ave
Chicago, Illinois 60605 USA
Inspiration Studio

REGISTRATION INFORMATION

Registration is free but will be limited to 100 participants. Another Level 1 workshop will be held in February 2013 the San Francisco, CA area, date TBD. To register, please go to the event listing on the FERC Calendar at: <http://www.ferc.gov/EventCalendar/>

Contact:

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LODGING INFORMATION

Renaissance Blackstone Chicago Hotel
636 South Michigan Ave
Chicago, Illinois 60605 USA
Conference Rate \$130 per night, Cutoff Date 11/12/12
800-266-9432

TRAVEL INFORMATION

Chicago O'Hare International Airport - ORD

Hotel direction: 19 mile(s) SE
This hotel does not provide shuttle service.

Alternate transportation: Airport Express; fee: \$27 (one way), Estimated taxi fare: \$40 (one way);

Subway service, fee: \$2.25 (one way) – Blue Line to LaSalle, walk half mile, or Blue Line to Monroe (Blue) walk one block to Monroe (Red) get off at Harrison and walk 4 blocks.

Chicago Midway International Airport - MDW

Transportation similar but with Orange Line

Subway Information

<http://www.transitchicago.com/>

PRESENTATIONS

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