

# Risk-Informed Decision Making (RIDM) Level 1

## Preliminary Agenda

### April 10 and 11, 2012

Target Audience:  
Dam Safety Engineers for Licensees and Consultants

Speakers will include:  
Messrs. Patrick Regan, David Lord, Eric Gross, and Doug Johnson, for the FERC; Douglas Boyer for the Corps of Engineers; 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, April 10, 2012

- 0800 Introduction  
Definitions of key terms
- 0830 Why is the FERC moving towards a RIDM approach?  
Benefits for Owners  
Benefits to Consultants
- 0910 What does FERC mean by RIDM and how will it develop its RIDM program?
- 0940 RIDM Development Process  
Opportunity to participate  
Revisions of FERC's Engineering Guidelines and Operating Manual
- 1000 BREAK  
Discuss and bring back Questions or Use Comment Cards and Return
- 1015 Discuss Questions
- 1030 What's involved in Risk Analysis / Risk Assessment?
- 1130 Issues  
Need better PFM descriptions  
Facilitation Certification (ASDSO?)
- 1145 LUNCH – Bring back Questions
- 1300 Discuss Questions
- 1330 Qualitative Risk Analysis – Basic Concepts
- 1415 Quantitative Risk Analysis – Basic Concepts
- 1445 BREAK – Bring back Questions
- 1500 Discuss Questions
- 1515 Risk-Informed Decision-Making

- 1545 Break into small groups of about 10 people and discuss any concerns or issues with risk.
- 1615 Feedback on the small group discussion
- 1630 Day One Wrap –  
Group leaders meet for up to one hour

#### DAY 2, April 11, 2012

- 0800 Summation of Comments/Concerns/  
Questions  
Discussions
- 1000 BREAK
- 1030 Risk Lite  
PFMA and Event Trees
- 1200 – LUNCH – Bring back Questions
- 1300 Discuss Questions
- 1315 Risk Lite (Cont.)  
Probabilistic Loadings
- 1415 Consequences- Life and \$
- 1445 BREAK – Bring back questions
- 1500 Discuss Questions
- 1530 Probabilistic analysis  
Uncertainty/Confidence – How to capture and portray  
Risk Analysis  
Risk Assessment, Making the Case,  
Risk-Informed decision
- 1630 Solicit help/Wrap

#### VENUE

Old Bonneville Power Auditorium  
911 NE 11<sup>th</sup> Avenue, Portland, Oregon 97232

#### REGISTRATION INFORMATION

Registration is free but will be limited to 200 participants. A second training will be held this spring at the FERC HQ in Washington DC, June 12-13, 2012. 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

Doubletree by Hilton – 0.1 mi  
1000 NE Multnomah Street, Portland, OR  
(503) 281-6111 – [doubletreegreen.com](http://doubletreegreen.com)

Red Lion Hotel-Portland – 0.3 mi  
1021 Northeast Grand Ave., Portland, OR  
(503) 235-2100 – [redlion.rdl.com](http://redlion.rdl.com)

Residence Inn Portland Downtown – 0.3 mi  
1710 NE Multnomah Street, Portland, OR  
(503) 288-1400 – [marriott.com](http://marriott.com)

Marriott – 0.4 mi  
435 Northeast Wasco Street, Portland, OR  
(503) 234-3200 – [marriott.com](http://marriott.com)

#### TRAVEL INFORMATION

##### From the Portland International Airport:

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