

## **AGENDA –Safety Evaluation and Visual Inspection of Existing Dams International Technical Seminar and Study Tour, August 20-28, 2012**

**Lodging will take place at the Embassy Suites Denver, 1420 Stout Street, Denver, CO 80202**

**Seminar will take place at the Denver Federal Center, Rio Grande Room**

**NOTE: PHOTO IDENTIFICATION (PASSPORT) IS REQUIRED PRIOR TO ENTRANCE ON THE DENVER FEDERAL CENTER.**

### **Monday, August 20**

- 7:20 a.m. Board motor coach for transport to the Denver Federal Center, Reclamation Offices (Angela Medina will meet you in the lobby of the Hotel - Boarding time 7:20 a.m.)
- 8:00 – 8:05 **Leanna Principe**, Team Leader, International Affairs - Denver
- 8:05 – 8:15 Welcome –Director, Technical Resources or Technical Service Center-  
**Lowell Pimley**
- 8:15 – 9:15 Participant’s Introduction, Overview of the Bureau of Reclamation, Delivering Water to the West Video  
**Leanna Principe, Jeanne Major, DeWayne Campbell, Dave Fisher**
- 9:15 – 9:45 Historical Background on Dam Safety -**Betty Dinneen**
- 9:45 – 10:15 Security Program Overview-**Rusty Schuster**
- 10:15 – 10:20 Break
- 10:20 – 11:30 Operation and Maintenance Perspectives and Considerations – **Darrel Krause/Stu Hirai**
- 11:30 – 12:15 Lunch
- 12:15 – 1:30 Lessons from Dam Incidents- **DeWayne Campbell**  
**(introduce risk context and potential failure modes in the case histories)**
- 1:30 – 1:45 Group photo (1:45pm)
- 2:00 – 3:30 Tour of the Bureau of Reclamation Engineering and Research Laboratories and Concrete Cylinder Test in Building 56.
- 3:45 Board onto motorcoach for return to hotel.  
Breakfast and Lunch provided

**Tuesday, August 21**

*Moderator-*

- 7:30 a.m. Board motorcoach for transport to the Denver Federal Center (Photo ID)
- 8:00 – 9:45 Risk Analysis and Risk Assessment for Dam Safety – **Bill Fiedler**
- 9:45 – 10:00 Break
- 10:00 – 12:00 Identification of Failure Modes for Dam Safety Monitoring and Evaluation – **Jay Stateler**  
**(break at 11:00)**
- 12:00 – 12:45 LUNCH
- 12:45 – 1:45 Hydrologic Hazard Analysis for Dam Safety-**John England**
- 1:45 – 1:50 Break
- 1:50 – 2:50 Overview of the Role of Geologists in a Dam Safety Program- **Jared Vauk**
- 2:50 – 3:00 Break
- 3:00 –4:00 Nonlinear Finite Element Analysis of Concrete Dams and Appurtenant Structures - **Roman Koltuniuk**
- 4:15 Board onto motorcoach, short ride to 240 Union Grill
- 4:30 Welcoming Reception-240 Union Grill  
Appetizers and drinks provided
- 6:00 pm Board motorcoach-return to hotel  
Breakfast and Lunch provided/light appetizers

**Wednesday, August 22**

*Moderator-*

- 7:30 a.m. Board motorcoach for transport to the Denver Federal Center (Photo ID)
- 8:00 –9:00 a.m. Structural Modifications – Concrete Dams and Appurtenant Structures-**Walt Heyder**
- 9:00 – 9:05 a.m. Break
- 9:05 – 9:45 a.m. Standing Operating Procedures/Operation and Maintenance Manuals/Dam Tender Operator Training- **DeWayne Campbell**
- 9:45 – 10:00 a.m. Break
- 10:00 – 12:00 Instrumented Monitoring of Dams – **Jay Stateler**  
(Break at 11:00am)
- 12:00 – 12:45 Lunch
- 1:00 p.m. Concurrent Workshops

### Earthquake Hazards Workshop

1 hour 15 minutes Seismic Hazard Studies for Dam Safety-**Dan Levis**

1 hour 15 minutes Seismic Design and Analysis of Dams-**Dave Gillette**

1 hour 15 minutes Strong Motion Monitoring-**Chris Wood**

### Emergency Management Workshop

1 hour 15 minutes Early Warning System Implementation-**Lex Kamstra**

1 hour 15 minutes Emergency Action Planning, Exercises and Reporting-**Lisa Krest**

1 hour 15 minutes Inundation Modeling-**Bruce Feinberg**

### Seepage and Piping

1 hour Seepage and Erosion Control- **Chris Slaven**

1 hour Failure Modes-**Chris Slaven**

1 hour Case Histories-**Chris Slaven**

45 minutes Breaching of Irrigation Canal Embankments-**Tony Wahl**

4:45 p.m. Closing of 1<sup>st</sup> week

5:00 p.m. Return to the hotel  
Breakfast and lunch provided

### Thursday, August 23

7:30 a.m. Board motorcoach for transport to the Denver Federal Center (Photo ID)

8:00 – 8:45 Examination of Appurtenant Structures- **Ernie Hall**

8:45 – 9:00 Break

9:00 – 10:00 Examination Maintenance, and Testing of Mechanical Equipment-**Don Read**

10:00 – 11:00 Examination of Concrete Dams-**Kevin Gagner**

11:00 – 11:05 Break

11:05 –12:15 Examination of Embankment Dams-**Kevin Gagner**

12:15 – 1:00 Lunch

1:00 – 2:30 **PLACE HOLDER-Study tour presentation**

2:30 – 2:45 Break

2:45 – 4:15 Participant Presentations

4:15pm Board motorcoach-return to hotel  
Breakfast and Lunch provided

**Friday, August 24** **STUDY TOUR BEGINS**

7:30 a.m. Check out of Hotel - Board motorcoach

Travel to Green Mountain Dam  
Simulated Exam

Travel to Granby Dam  
Simulated Exam

Overnight Breckenridge, Colorado  
Lodging TBD  
Breakfast and Lunch included

**Saturday, August 25**

9:30 a.m. Check out of Hotel -board motorcoach

Motorcoach Tour of Rocky Mountain National Park

Overnight Estes Park  
Lodging at The Stanley Hotel  
330 Wonderview Ave , Estes Park, CO, 1-970-586-3371/1-800-976-1377

Breakfast, Lunch and Dinner on your own

**Sunday, August 26**

12:00 p.m Check out of Hotel -board motorcoach-Transport to Denver International Airport

Travel to Las Vegas, Nevada  
Airline and Flight information TBD, Ticket provided by Reclamation

Overnight SpringHill Suites, Las Vegas, Nevada  
Breakfast, Lunch and Dinner on your own

**Monday, August 27**

8:30 a.m. Board motorcoach-Transport to Hoover Dam

9:00 – 11:00 Overview of Boulder Canyon Project and Law of the River

11:00 – 12:00 Lunch at the Dam

12:00 – 2:00 VIP Tour of Hoover Dam

6:00 pm Board motorcoach –  
Close our dinner, Location TBD

Overnight Springhill Suites  
Breakfast, Lunch and Dinner Provided

End of Reclamation Program