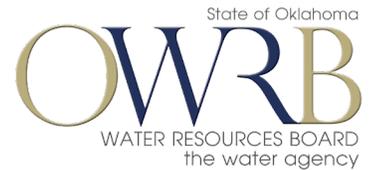


OKLAHOMA WATER RESOURCES BOARD DAM SAFETY QUARTERLY

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NEWSLETTER OF THE OKLAHOMA DAM SAFETY PROGRAM

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Structural damage to an Oklahoma dam caused by recent flooding. Photos by OWRB staff.

Dam Watch Software & Workshop

Wednesday August 12, 2015
Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
9:00 a.m. to 11:00 a.m.

The OWRB Dam Safety program is pleased to announce the launch of the Dam Watch software furnished by US Engineering Solutions to our high hazard dam owners. This software-as-a-service application enables authorized users to securely monitor their dams and access their Emergency Action Plan, inspection reports, and other documents through an intuitive interface.

To help potential Dam Watch users familiarize themselves with the software and its capabilities, the OWRB will host a free Dam Watch workshop in Oklahoma City on August 12. We encourage all dam owners, emergency managers, and public works directors to attend. Dam owners will collaborate with OWRB staff to determine who will be given authorized user access for their dam.

Please call OWRB Dam Safety staff at (405)530-8800 for details and reservations.

OWRB Workshop: Common Repair Methods & Upgrades for Dams

Wednesday, September 30, 2015
Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118
8:00 a.m. to 3:30 p.m.

This six-hour course hosted by the OWRB and presented by Frees and Nichols will cover the following topics:

I. Evaluation of Existing Dams

- Visual Inspections
- Monitoring/Instrumentation
- Basics of Geotechnical Investigations

II. Failure Modes, Risk Factors & Consequences

- Earthen Embankment Basics
- Concrete/Gravity Dam Basics
- Slab-and-Buttress Dam Basics
- Types of Failure Modes & Analysis
- Seismic Potential

III. Common Repair Methods & Upgrades

- Seepage
- Uplift/Heave
- Slides/Stability/Erosion
- Hydraulic Upgrades
- Construction Considerations

The course is presented by Marc Miller and Mike Shiflett of Frees and Nichols, Inc. Mark Miller, P.E. is a Senior Geotechnical Engineer with the company's Water Resources Design Group. Mr. Miller has over 20 years of experience in geotechnical investigations, laboratory testing, analysis, design, and construction of heavy civil infrastructure projects. He specializes in the evaluation and design of earthen dams, levees, and embankments, including seepage modeling, slope stability modeling, and failure modes analyses.

Mike Shiflett, P.E. is a Senior Geotechnical Engineer in Freese and Nichols, Inc.'s Water Resources Design Group. Mr. Shiflett has over 40 years' experience serving as the principal investigator, project manager, and design engineer for numerous geotechnical projects including dam, levee system, transportation, facilities, and water/wastewater projects. His technical expertise includes slope stability analyses, lateral load analyses, high capacity pier/pile analyses, failure mode analyses, and risk assessments.

The workshop fee is \$30 for attendees who reserve their seat by Monday, September 28. Breakfast and lunch will be provided. Please call OWRB Dam Safety staff at (405)530-8800 for details and reservations.

Upcoming Events

August 11	ASDSO Webinar: Dam Construction Quality Control - Dos, Don'ts and Lessons Learned
August 11-13	ASDSO Technical Seminar: Inspection and Assessment of Dams , Pittsburg, PA
August 12	OWRB Workshop: Dam Watch , Oklahoma City, OK
September 13-17	ASDSO 2015 National Conference
September 30	OWRB Workshop: Common Repair Methods & Upgrades for Dams , Oklahoma City, OK

J.D. Strong, Executive Director
Oklahoma Water Resources Board

Julie Cunningham, Chief
Planning & Management Division

Yohanes Sugeng, P.E., Manager
Dam Safety Program

The Oklahoma Dam Safety Act recognizes that properly constructed, operated, and maintained dams used to impound water and create reservoirs for public and private beneficial uses constitute vital parts of the State of Oklahoma's water resources, and authorizes the Oklahoma Water Resources Board to regulate the construction, operation, and maintenance of dams to protect lives and property. Please e-mail comments and article ideas to pubinfo@owrb.ok.gov.