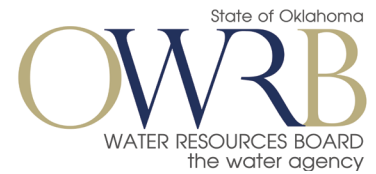


# OKLAHOMA WATER RESOURCES BOARD DAM SAFETY QUARTERLY

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## NEWSLETTER OF THE OKLAHOMA DAM SAFETY PROGRAM

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### Program Activities

#### OWRB WORKSHOPS FOR THE OKLAHOMA REAL ESTATE COMMISSION

Last summer, OWRB Dam Safety, Floodplain Management, and Well Drillers program staff conducted workshops in Woodward, Lawton, Durant, and McAlester. The workshops were attended by 98 licensed realtors. Dam Safety staff focused on the responsibilities of dam ownership and how realtors can assist their clients to avoid or ease associated liabilities. Staff also discussed the hazard-potential reclassification process and its impact on real estate sales.

#### 2016 ASDSO CONFERENCE

In September, Yohanes Sugeng attended the ASDSO 2016 National Conference in Philadelphia, PA, where he was elected as the west region's representative on the ASDSO Board of Directors.

#### 2016 OFMA CONFERENCE

In September, Dam Safety engineers attended the Oklahoma Floodplain Managers Association's annual

conference in Tulsa and gave a presentation on the hazard-potential reclassification process with an emphasis on dam breach modeling. Staff explained the simplified and detailed study analysis for dam breach modeling along with their computational requirements, involved assumptions, and preliminary results. The Holdenville Lake breach analysis map was used to demonstrate HEC-RAS 2D modeling, and participants were allowed to share their technical opinions or contest the assumptions and outcomes of the model.

#### SEISMICITY WORKSHOP

Last November, the Dam Safety program hosted a seismicity workshop in Oklahoma City conducted by Freese and Nichols, Inc. Topics included evaluating the safety of existing municipal infrastructure, designing new infrastructure to withstand earthquakes, and communicating safety efforts to the public. At the end of the workshop, experts representing the Oklahoma Geological Survey, Oklahoma Department of Transportation, Oklahoma Conservation Commission, Natural Resources Conservation Service, US Army Corps of Engineers, and the Oklahoma Department of Environmental Quality conducted an interactive panel discussion.



*Freese and Nichols, Inc. conducts a seismicity workshop in Oklahoma City hosted by the Oklahoma Water Resources Board.*

#### LOW HAZARD DAM INSPECTIONS

Dam Safety staff began conducting low hazard-potential dam inspections in December. This free on-site inspection performed by state engineers provides dam owners with a complete inspection report and breach inundation map. In addition to demonstrating the inspection process, this program provides an opportunity for dam owners to obtain guidance and learn easy maintenance techniques that may improve dam operation and ease liabilities associated with dam ownership. For more information about this free program, please contact our dam safety staff at (405) 530-8800 or visit [www.owrb.ok.gov/damsafety](http://www.owrb.ok.gov/damsafety).

### Upcoming Events

- April 11 ASDSO Webinar: [Introduction to Nature-like Fishways for Dams](#)
- April 11-13 OWRB Technical Workshop: HEC-RAS 2D
- April 25-26 ASDSO Seminar: [Interactive Preparedness: Emergency Action Planning for Dams and Levees](#), Baltimore, MD
- May 9 ASDSO Webinar: [HEC-RAS 2D Modeling](#)
- May 16-18 ASDSO Seminar: [Dam Failures and Lessons Learned](#), Chicago, IL
- June 13 ASDSO Webinar: [Introduction to Embankment Dams](#)
- June 27-29 ASDSO Seminar: [HEC-HMS](#), Austin, TX

Julie Cunningham, Executive Director  
Oklahoma Water Resources Board

Kent Wilkins, 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](mailto:pubinfo@owrb.ok.gov).*