



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

ASDSO Peer Review

Michigan Dam Safety Program

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Association of State Dam Safety Officials

- ASDSO Founded in 1983.
- >3,000 members from local, state, and federal governments; academia; dam owners; consultants; others.
- **Mission**: Improve the condition and safety of dams through education, support for state dam safety programs and fostering a unified dam safety community.
- <https://damsafety.org/>

Association of State Dam Safety Officials

- **What Does ASDSO do to Improve Dam Safety?**
- **Support** state dam safety programs
- **Develop** a cohesive and engaged community committed to the ASDSO mission.
- **Advance** and expand the technical expertise of dam and levee safety practitioners
- **Promote** innovative approaches to funding dam rehabilitation at the state and federal level
- **Increase** public awareness of the role of dams in society, the risks they present and the importance of dam safety and preparedness
- **Advocate** for laws, policies and government programs that serve to improve the safety of dams and reduce the risk to the public
- **Strengthen** and support a coordinated effort to improve the safety of levees

ASDSO Peer Review Program

- The objective of an ASDSO Peer Review is to provide professional guidance to improve the performance and management of dam safety programs. A Peer Review evaluates the mission, objectives, policies and procedures of a dam safety agency or company/organization. The program is evaluated relative to the organization's own governing regulations, and other guidelines such as the Model State Dam Safety Program (FEMA 316), the FERC dam safety program guidelines for licensees, or the Federal Guidelines for Dam Safety (FEMA 2004), as well as commonly accepted standards of practice.
- <https://damsafety.org/resource-center/peer-review-program>

ASDSO Peer Review Program

- Established in 1989 as a pilot for State Dam Safety programs.
- Cooperative effort of ASDSO, the federal Interagency Committee of Dam Safety (ICODS), and the American Society of Civil Engineers (ASCE)
- Developed the Peer Review for Dam Safety Organizations Manual.

ASDSO Peer Review Program

Peer Review for Dam Safety Organizations



Association of State Dam Safety Officials
(ASDSO)

ASDSO Peer Review Program

- Completed 49 peer reviews of state dam safety programs.
 - Including Michigan in 2006 and 2020.
- Completed 4 peer reviews of private owner dam safety programs.
- Completed 18 reviews of federal dam safety programs.

ASDSO Peer Review Program

- Pool of 24 dam safety experts.
 - Teams of 3 to 4 assigned for each review, typically consisting of:
 - a state or federal regulator,
 - a consultant, and
 - a dam owner.

Michigan's Peer Review Team

- Team Lead
 - Bob Dalton, P.E., Veenstra & Kimm, Inc – Consultant (former IL Dam Safety Manager, ASDSO President & National Dam Safety Review Board)
- Additional Team Members
 - Bill Bingham, P.E., Retired Dam Practice Leader, Gannett Fleming (former USSD President & National Dam Safety Review Board)
 - Ken Smith, P.E., Assistant Director, Division of Water, Indiana Department of Natural Resources (former ASDSO President & National Dam Safety Review Board)
 - Denny Dickey, P.E., Consultant (also former PA Dam Safety Manager, California DWR ODSP Audit Team Lead & DHS Dams Sector Government Coordinating Council)
- **Over 140 years of combined dam safety experience!**

What's been done so far?

- The Peer Review Team reviewed numerous documents furnished EGLE including:
 - Act 184 of 1963 (amended 1971) Dam Construction Approval Act
 - Act 302 of 1945 Emergency Powers of Governor
 - Act 390 of 1976 Emergency Management Act
 - Act 451 of 1994 Part 13 Permits
 - Act 451 of 1994 Part 307 Inland Waters
 - Act 451 of 1994 Part 315 Dam Safety
 - Admin Code Dam Safety Rules
 - EGLE Organization Chart
 - WRD EGLE Organization Chart
 - 21st Century Infrastructure Commission Report
 - ASCE Report Card MI 2018 Final
 - 2006 ASDSO Peer Review Michigan Final

What's been done so far?

- The Peer Review Team reviewed numerous documents furnished by EGLE including (cont.):
 - Miscellaneous Info from EGLE Dam Safety Program Website
 - Peer Review Preparation Packet Appendix E Narrative
 - 2020 Woodland Lake Dam EAP Response Letter
 - Heron Dam EAP 2019-03-04
 - Holloway Dam EAP 12-11-15
 - Liberty Dam 2018-12-31 Inspection Report
 - Liberty Dam Compliance Enforcement Correspondence
 - Liberty Dam 2019 Inspection Report Response Letter
 - Argo Dam 2019-11-22 Inspection Report
 - Argo Dam and Geddes Dam 2019-11-22 Inspection Report Cover Letter

What's been done so far?

- The Peer Review Team reviewed resumes, position descriptions, and conducted virtual interviews with the following EGLE Staff:
 - Teresa Seidel, Director, Water Resources Division
 - Amy Lounds, Manager, Field Operations Support Section, WRD
 - Mario Fusco, Supervisor, Hydrologic Studies and Dam Safety Unit, WRD-FOS
 - Dan DeVaun, Environmental Engineer, HSDSU, WRD-FOS
 - Luke Trumble, Environmental Engineer, HSDSU, WRD-FOS
 - Helana Nelson, Environmental Quality Specialist, Enforcement Unit, WRD-FOS
 - Lois Marinangeli, Manger, Administrative Section, WRD
 - Jay Eickholt, EGLE Emergency Management Coordinator
 - Jenifier Boyer, Midland County Emergency Management Coordinator

What's been done so far?

- The Peer Review Team provided preliminary oral report of findings and recommendations to EGLE on August 7, 2020.
- **Submitted a draft written report on September 4, 2020.**

Next Steps

- The Peer Review Team will finalize the written report in September 2020.
- The team, or members of the team, will participate in upcoming meeting(s) of the MI Dam Safety Taskforce, after the final report is submitted.
 - Will present findings to the TF.
 - Will be on-hand to answer questions of the TF.
 - May be available for future consultation.

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