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Background
Background

History

*Cal OES*

- Program started in 1972 following a near failure of the Lower San Fernando Dam
- Responsible for reviewing and housing dam inundation maps

*No Emergency Action Plan requirement*

*Only needed to submit inundation map for main dam*

*No enforcement of submitting inundation maps to the state*

Oroville Incident
Legislation
Legislation

Water Code Sections 6160 and 6161

• Owners of state-regulated, jurisdictional dams must submit an Emergency Action Plan (EAP) to Cal OES and DWR, unless dam is low hazard.
  • EAP: identifies the potential emergency conditions at a dam
    • specifies preplanned actions to be followed to minimize damage and loss of life
  • EAP be based on a DWR-approved inundation map
• Deadlines for submissions
• Review timelines
• Owners must update the EAP, including the map, at a minimum every 10 years
Legislation

Government Code Section 8589.5

• EAP must be developed in consultation with local public safety agencies.
• EAP must adhere to FEMA’s Guidelines
  • 6 Elements of an EAP
    • Emergency Notification Flowcharts
    • Response Process
    • Responsibilities
  • Preparedness Activities
    • Inundation Maps
    • Additional Info in Appendices
• Dam owner must conduct an EAP notification exercise with local public safety agencies once a year
Dam Safety Planning Division
Program Overview

- Review and Approve Dam Emergency Action Plans
- Technical Assistance
- Division Outreach
California Jurisdictional Dams

Extremely High: 204
• Deadline: on or before January 1, 2018

High: 447
• Deadline: on or before January 1, 2019

Significant: 268
• Deadline: on or before January 1, 2021

EAPs Received: 409 (as of August 22, 2019)
• Extremely High: 164
• High: 222
• Significant: 23
Products

- Sample EAP (Santa Luisa)
- EAP Review Tool
- Letter Templates
- EAP and Inundation Map Tracking Database
- Information Sharing Protocols
- Webpage: http://www.caloes.ca.gov/dams
Continued Efforts and Coordination

- Collaborative Technical Assistance Program with FEMA
  - Ventura County
- Established an internal working group
  - Advise/provide input on tools and procedures
- EAP Guidance (formatting template and FAQs)
Outreach plan with DSOD
  • Educate dam owners and local public safety agencies on new requirements
  • Dam Owner Workshops January 2018 and January 2019

Other outreach
  • Dam Safety class with FEMA December 2018 and April 2019

Provide technical assistance
  • Ventura County Planning for Dam Emergencies: FEMA Technical Assistance
  • Ad hoc with Dam Owners and Public Safety Agencies
Guiding Principles
Planning

- Awareness
- Hazard
- Actions
- Relationships

The planning process is as important as the product, itself.
Information Sharing

- Public
  - Inundation Maps
- Intra-Agency
  - NDA obstacles

Information sharing is the cornerstone of emergency management.
Relationships

- Integration of responsibilities
  - Dam owner
  - Local public safety agencies
  - Local jurisdiction
  - Multi-level coordination
  - Notification procedures

Dam safety requires us all, to work together to increase the community’s preparedness and resiliency
Support

- State
  - Direct outreach
  - FEMA classes
- Federal
  - FEMA CTA

The state is here to support the locals
QUESTIONS?

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