House Ways & Means Committee: Flood Recovery & Assessment

Catherine E. Heigel
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Overview

- Impact of the historic floods on dams
- Emergency response efforts still under way
- Providing regulatory oversight to dams
- Dam safety program improvements
- Additional response and recovery efforts
Flood Impact on Dams

- **36** dams failed in the historic flooding event:
  - 31 regulated, 4 unregulated, and 1 federal

- DHEC and the U.S. Army Corps of Engineers assessed all **652** High and Significant Hazard dams statewide post-flood.

- Of the **2,370** regulated dams statewide:
  - **1.3%** failed as a result of the floods
  - **3%** have been issued Emergency Orders
  - **7%** have been issued non-emergent Repair Orders
DHEC & Army Corps of Engineers Assessments

Class 1 (High Hazard)
- 160 High Hazard
- 10 Orange
- 7 Breached

Class 2 (Significant Hazard)
- 476 Significant Hazard
- 30 Orange
- 16 Breached
- 3 Red

Red = Needs immediate attention, failure possible
Orange = Needs damage repair, could lead to failure
Breached = Has failed
Emergency dam stabilization work is still ongoing:

- DHEC has issued 75 Emergency Orders based on our assessments conducted with the Corps.

- 17 dams have been referred to our outside contractor, HDR Engineering, for evaluation.

- As many as 30 dams may require state intervention for long-term stabilization.
Providing Regulatory Oversight

- DHEC has issued 24 Notices of Violations to dam owners who have not responded to both requirements of their Emergency Order.

- DHEC also issued 167 non-emergent Repair Orders.
  - These are dams that our post-flood assessment with the U.S. Army Corps of Engineers determined needed repairs or maintenance but were not at risk of failure.
  - Owners have until February to respond.
Providing Regulatory Oversight

- We are working with dam owners to help them come into compliance.
- Repair and maintenance plans must be reviewed and accepted by DHEC.
- We will work to expedite reviews of plans and issuance of required repair/reconstruction permits.
Program Improvements

- DHEC is working with HDR to assess the dam safety program and to conduct a complete engineering review and assessment of the Gills Creek Watershed.

- We have submitted our FY 2017 budget request for an additional 7 full-time staffers to sufficiently carry out existing statutory and regulatory duties.

- DHEC is working to draft proposed legislative changes that would enhance our dam safety program and bring it in line with national best practices.
Providing Free Tetanus Vaccines

- **4,568** tetanus vaccinations administered via mobile clinics as of Nov. 1.
  - Conducted at **144** sites in **18** counties.
- **1,391** vaccinations administered in local health department clinics as of Nov. 6.
- **5,959** total vaccinations given as of Nov. 6.
Tetanus Vaccine Clinic Availability

- Mobile van tetanus availability: 667 hours
- Health department tetanus availability: 6,244 hours
- Total (Oct. 19 - Nov. 6): 6,911 hours

DHEC has waived the $25 administrative fee for tetanus vaccines statewide at a cost of $148,975.
Monitoring Boiled Water Advisories

Number of Advisories

- Peak: 46
- Oct. 11: 25
- Oct. 14: 18
- Oct. 19: 9
- Nov. 16: 0

Number of People Impacted

- Peak: 436,045
- Oct. 11: 343,000
- Oct. 14: 122,000
- Oct. 19: 33,000
- Nov. 16: 0
Providing Free Private Well Testing

- Tested **2,306** well water samples from **41** counties as of Nov. 12.
- Distributed more than **5,366** well water testing kits statewide.
- DHEC has waived the fee for well water testing statewide at a cost of **$44,300**.