

DAM FAILURE - EXAMPLE MITIGATION PROJECTS

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	<i>Prevention</i>	
1		Develop planning and zoning guidelines for open space preservation within the floodway
2		Consider using dam inundation as criteria for future subdivision review and require disclosure by developers to prospective buyers.
3		Conduct dam safety inspections
4		Drain reservoir when conditions appear unsafe
5		Prepare Emergency Action Plans of High Hazard Dams
6		Implement zoning below and around dams.
	<i>Structural Projects</i>	
7		Install movement sensors on faces of dams to detect pending failure.
8		Construct dam improvements, spillway enlargements
9		Remove unsafe dams
10		Reconstruct rip rap on earthen dams
11		Decommission or modify non-essential dams that present unacceptable risk of failure
	<i>Emergency Services</i>	
12		Develop evacuation plans, including means of transporting people and evacuation routes.
13		Promote installation of early warning systems on high hazard dams to interface with dispatch.
14		Participate in dam owner's table top exercises with emergency response partners.
15		Participate in dam exercises with emergency response partners.
16		Obtain and install real time monitoring and/or telemetry equipment on dams.
17		Investigate early warning systems for residents below dams.
18		Ensure owners of high hazard dams update EAPs and provide copies to DES.
	<i>Public Outreach and Education</i>	
19		Conduct public outreach / education with residents living in inundation areas.
20		Promote the benefit of residents downstream from high hazard dams having NOAA weather radios.
21		Target potentially affected citizens with information about the dam failure risk in their area and include information on exercises.
	<i>Mapping/Analysis/Planning</i>	
22		Revise breach flow projections for dams based on enhanced digital elevation models and improved flood modeling software.