

Safe Dams Inspection List

Embankment (Earth) Dam Inspection Form

Name of Dam:	Date:							
Location of Dam (County):	Weather:							
Inspected by (Print Name):								
If an inspection item requires further action on your part, place a check mark to the left of the	ne number of the item							
A. <u>Crest</u> (refer to Glossary for description)								
1. How would you describe the vegetation on the crest? (Check all that apply)								
Recently Mowed Overgrown Good Cover	Sparse							
Other/Corrective Action (describe):	1							
2. Are there any trees or other inappropriate or excessive vegetation on the crest?	Yes No							
If yes, describe (type of vegetation, size, location, etc.)/Corrective Action:								
3. Is there a paved road or driveway on the crest? Yes No								
If yes, describe the condition (for example, good condition, numerous cracks, ne	wly paved)/Corrective Action:							
4. Are there any depressions, ruts or holes on the crest? Yes No								
If yes, describe (size, location, etc)/Corrective Action:								
5. Are there any cracks on the crest? Yes No								
If yes, describe (length and width, location, direction of cracking, etc.)/Correctiv	e Action:							
If yes, describe (length and width, location, direction of cracking, etc.)/Correctiv	e Action							
6. Other observations on the crest/Corrective Action:								
B. <u>Upstream Slope</u> (refer to Glossary for description)								
1. What is the reservoir level today? At Normal Pool Above Normal Pool	Feet Below Normal PoolFeet							
2. How would you describe the vegetation on the upstream slope? (Check all that app	ly)							
Recently Mowed Overgrown Good Cover	Sparse							
Other/Corrective Action (describe):								
3. Are there any trees or other inappropriate or excessive vegetation on the slope?								
If yes, describe (type of vegetation, size, location, etc.)/Corrective Action:								
4. Are there any depressions, bulges, ruts or holes (such as animal burrows) on the slop								
If yes, describe (size, location, etc.)/Corrective Action:								
5. Are there any eroded areas on the slope (such as wave erosion along the shoreline)?	Yes No							
If yes, describe (size of area, location, severity, etc.)/Corrective Action:								
6. Are there any cracks, sloughs or slides (vertical cliffs) on the slope? Yes	No							
If yes, describe (length, width, height, location, etc.)/Corrective Action:								

	Upstream Slope (continued)									
	Is there any type of slope protection along the shoreline (such as riprap)? Yes No									
		If yes, describe what type and its condition (for example, riprap - adequate, inadequate, sparse)/Corrective Action:								
	8.	Other observations on the upstream slope/Corrective Action:								
C .	Do	wnstream Slope (refer to Glossary for description)								
	1.	How would you describe the vegetation on the downstream slope? (Check all that apply)								
Recently Mowed Overgrown Good Cover Sparse										
		Other/Corrective Action (describe):								
	•									
	2.	Are there any trees or other inappropriate or excessive vegetation on the slope? Yes No								
		If yes, describe (type of vegetation, size, location, etc.)/Corrective Action:								
	3	Are there any depressions, bulges, ruts or holes (such as animal burrows) on the slope? Yes No								
	5.	If yes, describe (size, location, etc.)/Corrective Action:								
	4.	Are there any eroded areas on the slope (such as along abutment contacts)? Yes No								
		If yes, describe (size of area, location, severity, etc.)/Corrective Action:								
	5.	Are there any cracks, sloughs or slides (vertical cliffs) on the slope? Yes No								
		If yes, describe (length, width, height, location, etc.)/Corrective Action:								
	6.	Are there any wet areas or areas of hydrophilic (lush, water-loving) vegetation? Yes No								
		If yes, describe (size of area, location, etc.)/Corrective Action:								
	7.	Do any wet areas indicate seepage through the dam (such as rust-colored, stained water)? Yes No N/A								
		If yes, describe (for example, new area of seepage, no change from past observations, size of area, location) /Corrective								
_		Action:								
	8.	Are there any leaks (flowing water) from the slope or beyond the toe of the dam? Yes No								
		If yes, describe (location, rate of flow, turbidity of flow)/Corrective Action:								
	0	Other shear stiens on the downstream clone/Corrective Action.								
	9.	Other observations on the downstream slope/Corrective Action:								
D.	Ph	inge Pool (refer to Glossary for description)								
		Is there any type of erosion protection around the plunge pool (such as riprap)? Yes No								
		If yes, describe what type and its condition (for example, riprap - adequate, inadequate, obstructed by vegetation)								
		/Corrective Action:								
	2.	Is there any erosion and or seeps around or going into the plunge pool? Yes No								
		If yes, describe (size of area, location, severity, etc.) /Corrective Action:								
	3.	Other observations around the plunge pool/Corrective Action:								

Embankment (Earth) Dam Inspection Form (continued)

Nai	ne	of Dam: Date:
E.	1.	ncipal and Emergency Spillways (refer to Glossary for description) What types of spillways does the dam have (such as corrugated metal, concrete or siphon pipe; concrete or earth channel)? Principal Spillway
	3.	If yes describe (date(s) of flow, reason for activation, depth of flow) /Corrective Action:
	4.	For pipe spillways, what is the condition of any trash racks (for example, adequate, inadequate, damaged)? /Corrective Action:
	5.	For pipe spillways, are there any visible cracks, separations or holes in the pipe(s) (intake or outlet)? Yes No If yes, describe (location, width of crack or separation, etc.)/Corrective Action:
	6.	For pipe spillways, are there any apparent leaks in the pipe(s)? Yes No If yes, describe (location, rate of flow from leak, etc.)/Corrective Action:
		For pipe spillways, how would you describe the overall condition of the pipe(s)? (Check all that apply) Functioning Normally Not Functional Deteriorated Damaged Adequate Inadequate For concrete or earth channel spillways, is the entrance or channel obstructed in any way? Yes No If yes, describe (type of obstruction, location, etc.)/Corrective Action:
	9.	For earth channel spillways, how would you describe the vegetation in the spillway? (Check all that apply) Recently Mowed Overgrown Good Cover Sparse Other (describe)/Corrective Action:
	10.	For earth channel spillways, are there any trees or other inappropriate vegetation in the spillway? Yes No If yes, describe (type of vegetation, size, location, etc.)/Corrective Action:
	11.	For earth channel spillways, are there any eroded areas in the spillway? Yes No If yes, describe (size of area, location, severity, etc.)/Corrective Action:
	12.	For concrete channel spillways, are there any cracks or holes in the spillway? Yes No If yes, describe (width of crack or hole, location, etc.)/Corrective Action:
	13.	For concrete channel spillways, are there any leaks or evidence of undermining (flow under the concrete)? Yes No If yes, describe (location, rate of flow from leak, indicators of undermining, etc.)/Corrective Action:

Principal and Emergency Spillways (continued)

F	For earth or concrete channel spillways Functioning Normally Not Func Other observations on the spillways/Co	tional Deteriorate	d Damaged Ade	equate Inadequate	
	umentation (refer to Glossary for desore there any toe drains at the downstrear If yes, describe the condition (for ex	um toe or any other seepa	-		
2. Fc	or drains, is an animal guard installed a If no, which drains lack animal guar				
□ 3. Fo	3. For drains, measure the rate of flow from each drain and record below (use additional pages if necessary): Turbidity of Flow Designation/Location of Drain Flow Rate Flow Rate in GPM* (describe – clear, muddy, etc.)				
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□ 4. Aı	If yes, describe the condition (for ex		o damaged, etc.)/Corrective Act	ion:	
□ 5. Fo	or piezometers, does each piezometer h If no, which piezometers need caps Action:	(to prevent rain water in	Yes No trusion) and/or locks (to preve		
_	or piezometers, are you able to take a n If yes, record depth to water (in feet) in each piezometer, rec	ord on a separate page, and a	Yes No ttach to this form.	
□ /. Ai	re there any other monitoring devices of If yes, describe what type and the co			on, damaged) /Corrective Action:	
□ 8. Ot	ther observations on instrumentation/C	orrective Action:			
	ographs minimum, photographs should be taken of photographs (be sure to date stamp t	•		•	

*GPM (gallons per minute): to convert from oz/sec multiply by 0.4688; to convert from ml/sec multiply by 0.01585

↑ Check if corrective action is noted/required.