

DAM OWNER'S INSPECTION CHECKLIST

NAME OF DAM:	
DATE INSPECTED:	
INSPECTED BY:	

Reservoir Data at Time of Inspection <i>(Note in comments if unavailable or estimated)</i>	Comments
Water Surface Elevation <i>(feet)</i>	
Distance Below Dam Crest <i>(feet)</i>	
Storage <i>(acre feet)</i>	
Inflow <i>(cfs or gpm)</i>	
Outflow <i>(cfs or gpm)</i>	
General Comments on overall dam condition <i>(excellent, good, fair, poor, maintenance needed)</i>	

Item	Y	N	Remarks
A. Embankment Crest			
(1) Any visual settlements or low areas?	<input type="checkbox"/>	<input type="checkbox"/>	
(2) Any misalignments?	<input type="checkbox"/>	<input type="checkbox"/>	
(3) Any cracking?	<input type="checkbox"/>	<input type="checkbox"/>	
(4) Any traffic damage ruts or puddles?	<input type="checkbox"/>	<input type="checkbox"/>	
(5) Other (describe)			
B. Embankment Upstream Face			
(1) Any erosion?	<input type="checkbox"/>	<input type="checkbox"/>	
(2) Any settlement, sloughing, slumps, depressions or bulges?	<input type="checkbox"/>	<input type="checkbox"/>	
(3) Trees or brush growing on slope?	<input type="checkbox"/>	<input type="checkbox"/>	
(4) Any stone deterioration?	<input type="checkbox"/>	<input type="checkbox"/>	
(5) Sinkholes?	<input type="checkbox"/>	<input type="checkbox"/>	
(6) Debris on the dam face?	<input type="checkbox"/>	<input type="checkbox"/>	
(7) Adequate grass cover?	<input type="checkbox"/>	<input type="checkbox"/>	
(8) Animal burrows?	<input type="checkbox"/>	<input type="checkbox"/>	
(9) Other (describe)			

Item	Y	N	Remarks
C. Embankment Downstream Face/ Toe/Abutments			
(1) Any erosion?	<input type="checkbox"/>	<input type="checkbox"/>	
(2) Any cracking?	<input type="checkbox"/>	<input type="checkbox"/>	
(3) Any visual settlement, sloughing, slumps, depressions or bulges?	<input type="checkbox"/>	<input type="checkbox"/>	
(4) Any traffic or animal damage?	<input type="checkbox"/>	<input type="checkbox"/>	
(5) Adequate grass cover?	<input type="checkbox"/>	<input type="checkbox"/>	
(6) Trees or Brush growing on slope?	<input type="checkbox"/>	<input type="checkbox"/>	
(7) Describe seepage areas.			
(8) Describe amount and type of vegetation on dam			
(9) Other (describe)			

Item	Y	N	Remarks
D. Outlet Works (visible elements)			
(1) Any settlement or tilting of outlet structures?	<input type="checkbox"/>	<input type="checkbox"/>	
(2) Do concrete surfaces show spalling, cracking, erosion or exposed reinforcement?	<input type="checkbox"/>	<input type="checkbox"/>	
(3) Metal components – corrosion or breakage?	<input type="checkbox"/>	<input type="checkbox"/>	
(4) Trash rack condition good? Anchor system secure?	<input type="checkbox"/>	<input type="checkbox"/>	
(5) Seepage, undermining or erosion near conduit?	<input type="checkbox"/>	<input type="checkbox"/>	
(6) Describe condition of conduit.			
E. Gates			
(1) Controls operational?	<input type="checkbox"/>	<input type="checkbox"/>	
(2) Controls lubricated?	<input type="checkbox"/>	<input type="checkbox"/>	
(3) Leakage around gates?	<input type="checkbox"/>	<input type="checkbox"/>	
(4) Other (describe)			

Item	Y	N	Remarks
F. Spillways			
(1) Any problems with spillway? (<i>Alignment, movement, undermining, slides, slumps, erosion, excessive vegetation</i>)	<input type="checkbox"/>	<input type="checkbox"/>	
(2) Any spalling, exposed reinforcement or cracking in concrete (<i>if present</i>)	<input type="checkbox"/>	<input type="checkbox"/>	
(3) Any obstructions in channel or approach area?	<input type="checkbox"/>	<input type="checkbox"/>	
(4) Any problems with discharge area or downstream channel? (<i>obstructions, erosion, undercutting</i>)	<input type="checkbox"/>	<input type="checkbox"/>	
(5) Other (describe)			

Item	Y	N	Remarks
G. Instrumentation and Monitoring			
(1) Is instrumentation read periodically?	<input type="checkbox"/>	<input type="checkbox"/>	
(2) Is data available? Note location of data and frequency of measurement. Attach datasheet if possible	<input type="checkbox"/>	<input type="checkbox"/>	
(3) TOE DRAINS: Describe condition (<i>flowing, recently flowed, dry, damaged, clogged, etc.</i>)			
(4) WEIRS/FLUMES: Describe condition (<i>flowing, recently flowed, dry, damaged, obstructions, vegetation</i>)			
(5) MONITOR WELLS: Describe any problems encountered with obtaining measurements			
(6) Other (describe)			

H. Maintenance Deficiencies

List deficiencies and schedule for repair

I. Operational Problems

List operational problems and recommendations for improvement

J. Summary of Key Items

Notes to follow-up with engineer