

Response to Identified Dam Deficiencies

If you find deficiencies with any component of your dam, use the following table to guide you to the relevant sub-section of the ***SELF-HELP GUIDE: Identifying Problems and Solutions*** in Section 7 of the Dam Safety Guidelines - Inspection and Maintenance of Dams.

See: http://www.env.gov.bc.ca/wsd/public_safety/dam_safety/cabinet/inspection.pdf

<i><u>IS THERE ANY APPARENT...</u></i>	<i><u>YES</u></i>	<i><u>NO</u></i>	<i><u>IF YES THEN...</u></i>
CRACKS			
• embankment cracks on the crest?	<input type="checkbox"/>	<input type="checkbox"/>	sub-sections 2.4, 2.5 & 2.6
• embankment cracks on the u/s slope?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 3.5
• embankment cracks on the d/s slope?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 4.1
VEGETATION GROWTH AND DEBRIS			
• excessive vegetation growth on the embankments?	<input type="checkbox"/>	<input type="checkbox"/>	sub-sections 2.1, 3.4 & 5.2
• floating debris?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 1.2
• vegetation or debris blocking the spillway channel?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 8.2
STRUCTURAL PROBLEMS			
• settlement on the crest?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 2.7
• slough, slides or bulges on the u/s slope?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 3.6
• slough, slides or bulges on the d/s slope?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 4.2
• slough, slides or bulges on the reservoir shore?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 1.1
• slough, slide or erosion of spillway channel?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 8.1
• sinkhole on crest?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 2.8
• sinkhole on u/s slope?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 3.7
• sinkhole on d/s slope?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 4.4
• displaced or broken down riprap armor?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 3.2
SEEPAGE			
• wet areas or seepage on the d/s slope or toe?	<input type="checkbox"/>	<input type="checkbox"/>	sub-sections 4.3 & 5.1
• ponded water at the downstream toe?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 5.2
• wet areas or seepage along d/s abutments?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 6.1
ANIMAL ACTIVITY			
• signs of livestock traffic across dam embankment?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 4.5
• rodent burrows in dam embankment?	<input type="checkbox"/>	<input type="checkbox"/>	sub-sections 2.2 & 3.3
• beaver dams in reservoir or across spillway channel?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 1.3
OUTLET PROBLEMS			
• outlet operating problems?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 7.1
• deterioration of the outlet conduit?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 7.2
SPILLWAY PROBLEMS			
• spillway blockage?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 8.3
• channel blockage?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 8.2
• inadequate capacity?	<input type="checkbox"/>	<input type="checkbox"/>	sub-section 8.3