



# Annual Dam Safety Report

Dam Name: \_\_\_\_\_

Dam Owner: \_\_\_\_\_ Date: \_\_\_\_\_

**Dam Failure Consequence Classification:** Extreme Very High High Significant Low

Describe Changes to Conditions Downstream of Dam (increased development, population at risk, etc.):

## DAM SAFETY PROGRAM ELEMENTS

	Yes	No	N/A	Follow up?
Any recent alterations to the dam?				
Any critical incidents or hazards occurred?				
Critical incidents or hazards reported?				
Consequence classification assessment completed?				
Dam break flood inundation study and mapping completed?				
Dam owner inspections undertaken?				
Inspection frequency adequate?				
OMS plan prepared and submitted?				
EPRP prepared and submitted?				
EPRP updated (contact information)?				
Dam safety review status acceptable?				
Maintenance suitable?				
Surveillance and monitoring suitable?				
Public safety risk assessment and plan complete?				
Public safety measures taken (signs posted)?				
Hazard identification and failure mode analysis undertaken?				
Outlets, gates and other mechanical components tested?				
Reservoir or tailings impoundment operation as per OMS manual?				
Design and operation of tailings dam as per current phase?				

General comments and site observations (Please provide pictures):

### DAM DEFICIENCIES

	Yes	No	Potential	N/A
IDF appropriate?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EDF appropriate?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spillway or discharge works capacity adequate?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slope stability adequate?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Freeboard adequate?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sliding safety factor adequate?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Geotechnical deficiencies observed? (internal erosion, slumping, external erosion, sinkhole, settlement, cracks, bulges, lateral movement)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Structural deficiencies observed? (cracks, misalignment, settlement, concrete deterioration, lateral movement)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rip rap deficiencies observed? (displaced, broken down)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Debris deficiencies observed? (floating debris, spillway blocked)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Animal activity observed? (burrowing, beavers)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Excessive vegetation growth observed? (embankments, spillway)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Seepage observed? (location, quantity, clarity)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Description of deficiencies (Please provide pictures):

Printed name of Dam Safety Consultant	Signature	Date
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Printed name of Dam Owner/Agent	Signature	Date
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**Glossary**

CDA - Canadian Dam Association  
 DSR - Dam Safety Review  
 EDF - Environmental Design Flood  
 EPRP - Emergency Preparedness and Response Plan

IDF - Inflow Design Flood  
 OMS - Operation, Maintenance and Surveillance  
 WRMD - Water Resources Management Division