



2011 INSPECTION COMPLIANCE FORM FOR OWNERS OF HIGH, VERY HIGH & EXTREME CONSEQUENCE DAMS

SUBMIT FORM TO:

By email at: dam.safety@gov.bc.ca

By Mail at: Dam Safety Section, Water Management Branch
PO Box 9340 Stn Prov Govt
Ministry of Forests, Lands and Natural Resource Operations,
Victoria BC, V8W 9M1

By Fax at: 250-952-6792

OFFICE USE ONLY:
Region: HQ, VI, SR, KM, PN, NL, WL, PG
Consequence: AG, DA

Dam Name:

Please include: Dam Name, contact: name, address, phone # & e-mail:

Name:

Address:

Phone:

E-mail:

Please read the information overleaf (page 2) before completing this form. You will find more information on our website: www.env.gov.bc.ca/wsd/public_safety/dam_safety/.

- Has your Formal Inspection for 2011 been completed? Yes No
Inspected By: Owner , Other - Who?
Comments:
- Have any Dam Safety Concerns been identified? Yes No If yes please elaborate.
- If yes to #2;
Has a plan been prepared to address the safety concern(s)? Yes No N/A
Comments:
- Did you undertake *regular* (see page 2) Site Surveillance? Yes No
Comments:
- Has a Professional Engineer completed your Dam Safety Review? Yes No Started
If "Started DSR"; scheduled completion date is:
- Have you submitted your Dam Safety Review? Yes No
- Do you have a current OMS & EPP? Yes No
- Have you completed the annual EPP review? Yes No Year last updated:

Additional comments or suggestions:

Submitted by: _____ Date: _____
Position: _____ Phone: _____
E-mail: _____



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(1) Formal Inspections are defined in the Dam Safety Regulation (DSR) as a thorough inspection performed by the appropriate representative of the owner (i.e. the individual responsible for safety surveillance). A Dam Inspection & Maintenance Guidebook is available on our website and Dam Inspection & Maintenance Workshops are available through the BC Water & Waste Association. Many dam owners hire an engineering consultant to inspect their dams but this is not a requirement. The minimum frequency for formal inspections is annual for high and very-high consequence dams and semi-annual for extreme consequence dams. A formal inspection report shall be recorded and kept by the dam owner, and must be available for review by the Dam Safety Officer on request.

(2 & 3) Dam Safety Concerns: Do you have any concerns regarding the safety of the dam? The Dam Safety Officer is available to discuss any concern you may have and will be able to assist you to determine the severity of your concern. Please also see Section 7.1, Potential safety hazard at a dam and Section 8, Hazardous Conditions at a dam in the Dam Safety Regulation.

(4) Site Surveillance is part of the routine maintenance and is a straightforward procedure that allows the dam tender to make an accurate assessment of a dam's condition. Surveillance involves an assessment of the surface of all parts of the structure. Seepage readings (or any other condition that is subject to change) should be measured and recorded as well as the reservoir level, operational conditions and releases from outlets and spillways. Site surveillance is usually performed on a weekly basis for all high, very high and extreme consequence dams; see Dam Safety Regulation, Schedule 2. Reduced frequencies of the site surveillance may be selected to suit seasonal conditions (e.g. snow cover). Any site surveillance schedule other than weekly should be described in the dam owners Operation, Maintenance & Surveillance Manual*.

(5 & 6) Dam Safety Reviews (DSRs) are comprehensive formal evaluations by a qualified engineer conducted every 10 years for high and very high and every 7 years for extreme consequence classification dams to determine whether an existing dam meets current engineering standards. DSRs shall be carried out in accordance with the Dam Safety Regulations and the Canadian Dam Association Guidelines. A guideline is available from the Dam Safety Officer or as a download from the Dam Safety Webpage.

Other Dam Safety Regulation Requirements:

- **(7)** *Prepare an Operation Maintenance and Surveillance (OMS) manual and an Emergency Preparedness Plan (EPP)
- **(8)** Review, revise, update and submit the OMS & EPP as per Schedule 2 of the Dam Safety Regulation.
- Maintain a record of all formal inspections and site surveillance,
- Submit information to, or undertake an activity requested by, or notify a Dam Safety Officer as required.

Dam owners must also operate and maintain their dam in accordance with the following:

- Any applicable (water) licence or approval,
- Any order that is made under the (*Water*) Act.

**Note: simplified versions of EPP and OMS for less complex dams may be acceptable (see templates in our Guidebook entitled Inspection & Maintenance of Dams, available on our Dam Safety Webpage (www.env.gov.bc.ca/wsd/public_safety/dam_safety/)).*