



2014 DAM STATUS REPORT FORM
FOR OWNERS OF HIGH, VERY HIGH & EXTREME CONSEQUENCE DAMS

OFFICE USE ONLY:
File Number: D
Dam Safety Officer:
Region: HQ, VI, SR, KM, PN, NL, WL, PG
Consequence: AG, DA

BY JANUARY 31, 2015, COMPLETED FORM MUST BE SUBMITTED TO:

By Mail: Dam Safety Section, Water Management Branch
Ministry of Forests, Lands and Natural Resource Operations, Victoria BC.
Please mail to the address located at the bottom of this page.
By Fax: 250-356-0605
By email: dam.safety@gov.bc.ca

Please fill in Dam Name, Failure Consequence Class, and contact information: name, address, phone # & e-mail below:
Dam Name: Failure Consequence Class:
Your Name:
Your Address:
Phone number:
E-mail address:

Please read the information overleaf (page 2) before completing this form. For more information, see the Compliance and Enforcement section of our website: http://www.env.gov.bc.ca/wsd/public\_safety/dam\_safety/index.html.

- 1. Has your Formal Inspection for 2014 been completed? Yes [ ] No [ ]
Inspected By: Owner [ ] Other [ ] Who?
Comments:
2. Did you undertake regular (see page 2) Site Surveillance? Yes [ ] No [ ]
Comments:
3. Have any new dam safety concerns been identified this year (2014)? Yes [ ] No [ ]
If yes, please elaborate:
4. If yes to #3: Has a plan been prepared to address the safety concern(s)? Yes [ ] No [ ] N/A [ ]
Comments:
5. Has a Professional Engineer completed your Dam Safety Review? Yes [ ] Year? \_\_\_\_\_ No [ ]
6. In what year was your Operation, Maintenance & Surveillance Manual last updated?
7. Has the emergency contact information in your Emergency Preparedness Plan been updated and a copy submitted to the Dam Safety Officer this year? Yes [ ] No [ ] If Yes, which month?
8. Has there been any land use development downstream of your dam in the last year that might affect the failure consequence classification? Yes [ ] No [ ] If Yes, please elaborate:

Additional comments or suggestions:

Submitted by: Date:
Position: Phone:



## 2014 DAM STATUS REPORT FORM FOR OWNERS OF HIGH, VERY HIGH & EXTREME CONSEQUENCE DAMS

**(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 representative of the dam owner who is responsible for dam safety). 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) Site Surveillance** is part of routine maintenance and is a straightforward procedure that allows the dam owner 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\*.

**(3&4) 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 the issue. 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.

**(5) 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 failure 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. The guideline is available from the Dam Safety Officer or on the Dam Safety Program website.

**(6) Operation, Maintenance and Surveillance (OMS) Manual Requirements:** Dam owners are required to have an OMS manual and an Emergency Preparedness Plan (EPP). Some dam owners combine the two documents. The OMS and EPP need to be updated every 7 years for Extreme dams, and every 10 years for High and Very High Failure Consequence Classification dams.

**(7) Emergency Contact Information:** Dam owners are required to *annually* update the emergency contact information in their EPP. A copy of the updated information should be sent to the Dam Safety Officer and to the emergency responders on the contact information list.

**(8) Downstream Conditions:** Dam owners must review conditions downstream of their dam annually and notify the dam safety officer if there are changes (e.g., land development) that might result in a change in the failure consequence classification.

Dam owners must also operate and maintain their dam in accordance with any applicable water licence or approval, and 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 ([http://www.env.gov.bc.ca/wsd/public\\_safety/dam\\_safety/index.html](http://www.env.gov.bc.ca/wsd/public_safety/dam_safety/index.html))).*

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### Water Management Branch

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