



2016 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

COMPLETED FORM MUST BE SUBMITTED BY FEBRUARY 1, 2017

By Mail: Dam Safety Section, Water Management Branch
Ministry of Forests, Lands and Natural Resource Operations, Victoria BC
Please mail to the address located on 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: www.gov.bc.ca/water.

- 1. Have you received a copy of the Dam Safety Regulation (February 29, 2016)? Yes No
2. Has your Formal Inspection for 2016 been completed? Yes No
Inspected By: Owner Other Who?
Comments:
3. Did you undertake regular (see page 2) Site Surveillance? Yes No
Comments:
4. Have any new dam safety concerns been identified this year (2016)? Yes No
If yes, please elaborate:
5. If yes to #4: Has a plan been prepared to address the safety concern(s)? Yes No N/A
Comments:
6. In what year was your Dam Safety Review last carried out by a qualified Professional Engineer?
OR check box if no Dam Safety Review has ever been carried on the dam - NO DSR
7. In what year was your Operation, Maintenance & Surveillance Manual last updated?
8a. In what year was your Dam Emergency Plan (formerly EPP) last updated?
8b. Have you submitted a copy of the updated DEP to the local emergency authority? Yes No
JE Is the emergency contact information in your Dam Emergency Plan up-to-date? Yes No
FEZP as 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:
Email address:



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(2) Formal Inspection is defined in the Dam Safety Regulation (Regulation) as “a thorough on-site inspection of the dam and dam site conducted by a person who is an owner of the dam or an agent of an owner of the dam and who is responsible for the safety of the dam”. The [Inspection & Maintenance of Dams](#) manual is available on the Dam Safety website and a Dam Inspection & Maintenance course is available through the BC Water & Waste Association (www.bcwwa.org). Many dam owners hire an engineering consultant to inspect their dams, but this is not a requirement. The minimum frequency for formal inspections is annually for high and very-high consequence dams and semi-annually for extreme consequence dams. A formal inspection report must be recorded and kept by the dam owner and must be available for review by the Dam Safety Officer (DSO) on request.

(3) Site Surveillance is defined in the Regulation as “the monitoring of a dam and the area surrounding or adjacent to the dam through visual observation, and if there is instrumentation relating to the dam, through the systematic collection of instrumentation readings and analysis and interpretation of the readings”. Site surveillance is usually performed on a weekly basis for all high, very high and extreme consequence dams; see Schedule 2 of the Regulation for the minimum frequency of safety activities. Site surveillance may be conducted at a reduced frequency to suit seasonal conditions (e.g. snow cover); however, these conditions and the reduced frequency must be described in the dam’s Operation, Maintenance & Surveillance Manual*.

(4 & 5) Dam Safety Concerns: The DSO is available to discuss any concern you may have about the safety of the dam and can assist you to determine the severity of an issue. A dam owner must report any potential safety hazard to a DSO. Please see section 14, *Hazardous conditions*, and section 15, *Potential safety hazard*, of the Regulation for further actions required by the dam owner.

(6) Dam Safety Reviews (DSRs) are comprehensive formal evaluations by a qualified engineer conducted every 10 years for high and very high consequence dams and every 7 years for extreme consequence dams to determine whether an existing dam meets current engineering standards. DSRs shall be carried out in accordance with the Regulation, APEGBC’s DSR Guideline and the Canadian Dam Association (CDA) Guideline. A link to the APEGBC’s DSR Guideline is available at www.apeg.bc.ca. The CDA Guidelines can be purchased at www.cda.ca.

(7 & 8) Operation, Maintenance and Surveillance (OMS) Manual & Dam Emergency Plan (DEP) Requirements: Dam owners are required to have an OMS manual and a DEP (formerly Emergency Preparedness Plan (EPP)). The OMS and DEP must be reviewed and updated at least every 7 years for very high and extreme consequence dams, and at least every 10 years for high consequence dams. For guidance on the information to submit to the local emergency authority, refer to the [Guide & Template for Preparing a Dam Emergency Plan \(DEP\) in British Columbia](#) available on the Dam Safety website.

(9) Emergency Contact Information: Dam owners are required to annually review and, if necessary, revise the emergency contact information in their DEP, and submit revised information to the DSO and to the local emergency authority.

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

Dam owners must operate and maintain their dams in accordance with the *Water Sustainability Act* (WSA), the Regulation, any applicable authorization, and any order that is made under the WSA.

**Note: simplified versions of DEP and OMS for less complex dams may be acceptable (see templates in the Guidebook entitled [Inspection & Maintenance of Dams](#), available on the Dam Safety Website at: www.gov.bc.ca/water).*

Water Management Branch

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