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IMPORTANT INFORMATION

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Water Act
BRITISH COLUMBIA DAM SAFETY REGULATION

[includes amendments up to B.C. Reg. 163/2011, November 30, 2011]

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Definitions

1 In this regulation:

- "**Act**" means the *Water Act*;
- "**classification**" means the dam failure consequences classification of a dam under Schedule 1;
- "**dam**" means
 - (a) a barrier constructed across a stream, or
 - (b) a barrier constructed off-stream and supplied by diversion of water from a stream,for the purpose of enabling the storage or diversion of water, and includes all works which are incidental to or necessary for the barrier;

"dam owner" means, with respect to a dam, any or all of the following:

- (a) the person who holds the current licence or is required to hold a licence for the dam;
- (b) the person who last held a licence for the dam, including a licence that has been suspended, cancelled, abandoned or terminated;
- (c) if there is no person to whom paragraph (a) or (b) applies, the owner of the land on which the dam is located or the person who had the dam constructed;

"dam safety officer" means an engineer or officer who is designated in writing by the comptroller as a dam safety officer;

"dam safety review" means a review carried out by a professional engineer under section 7 or 14;

"emergency preparedness plan" means

- (a) a plan prepared by a dam owner under section 3.1 (1) and accepted by a dam safety officer, and
- (b) any revisions to the plan prepared by the dam owner and accepted by a dam safety officer;

"height" means the vertical distance to the top (crest) of a dam measured,

- (a) in the case of a dam across a stream, from the natural bed of the stream at the downstream outside limit of the dam, or
- (b) in the case of a dam that is not across a stream, from the lowest elevation at the outside limit of the dam;

"instrumentation" means, but is not limited to, survey monuments and stations, inclinometers, extensometers, piezometers or measuring weirs;

"maintain" or **"maintenance"** means the performance of those tasks required to keep the dam in good operating condition;

"operation, maintenance and surveillance manual" means

- (a) a manual prepared by a dam owner under section 3 (2) and accepted by a dam safety officer, and
- (b) any revisions to the manual prepared by the dam owner and accepted by a dam safety officer;

"professional engineer" means a person registered, and in good standing, as a professional engineer under the *Engineers and Geoscientists Act*;

"Provincial Emergency Program" means the Provincial Emergency Program continued under the *Emergency Program Act*; .

"Schedule 2 table" means the table in section 2 of Schedule 2;

"volume of water" means the total storage volume of the reservoir at full supply level measured in accordance with one of the following:

- (a) between the natural bed of the stream and the spillway crest;
- (b) between the upstream outside limit of the dam and the spillway crest;

(c) if a low level outlet is excavated to an elevation lower than the general foundation of the dam, between the bottom of that outlet and the spillway crest.

[am. B.C. Reg. 108/2011, App. 1, s. 1; App. 2, s. 1.]

Application

2 (1) This regulation applies to all of the following:

- (a) a dam 1 metre or more in height that is capable of impounding a volume of water greater than 1 000 000 m³;
- (b) a dam 2.5 metres or more in height that is capable of impounding a volume of water greater than 30 000 m³;
- (c) a dam 7.5 metres or more in height;
- (d) a dam that does not meet the criteria under paragraph (a), (b) or (c) but has a classification of significant, high, very high or extreme.

(2) This regulation does not relieve a dam owner from any other requirements that may be imposed under the Act, the Water Regulation or any other applicable enactment.

[am. B.C. Reg. 108/2011, App. 1, s. 2.]

Operation and maintenance of a dam

3 (1) A dam owner must operate and maintain a dam in accordance with all of the following:

- (a) this regulation;
- (b) any applicable licence or approval;
- (c) any order made by the comptroller, a regional water manager or an engineer under the Act or this regulation or any requirement specified by a dam safety officer under this regulation;
- (d) the emergency preparedness plan for the dam;
- (e) the operation, maintenance and surveillance manual for the dam.

(2) A dam owner of a dam that has a classification of significant, high, very high or extreme must, in the form and manner and within the time period specified by the comptroller or regional water manager,

- (a) prepare a manual that describes the dam owner's operation, maintenance and surveillance procedures for the dam, and
- (b) submit the manual to a dam safety officer for acceptance by the dam safety officer.

(3) Subsection (2) applies whether or not there is a term or condition in an approval granted or licence issued that requires the preparation of such a manual for the dam.

(3.1) A dam owner of a dam that has a classification of significant, high, very high or extreme must

- (a) review, and revise if necessary, the operation, maintenance and surveillance manual for the dam no less frequently than is specified for the classification of the dam in item 6 in the Schedule 2 table, and

- (b) submit any revisions to a dam safety officer for acceptance by the dam safety officer.
- (4) A dam owner must ensure that the dam is adequately safeguarded to prevent unauthorized operation of the dam by someone other than the dam owner or an agent of the dam owner.
- (5) A dam owner of a dam that is located partially or entirely on Crown land and that has a classification of significant, high, very high or extreme must ensure that there is at all times posted on the land at both ends of the top of the dam a sign that meets all of the following criteria:
 - (a) the sign must contain, in lettering that is clearly visible from 15 metres, the following information:
 - (i) the name of the dam;
 - (ii) the name of the stream that is dammed;
 - (iii) the following words: "If you see any dam safety concerns, please contact:", followed by
 - (A) the name and emergency telephone numbers for both day and night of a dam owner, and
 - (B) the emergency telephone number for the Provincial Emergency Program;
 - (b) the sign must be at least 75 centimetres high and 60 centimetres wide;
 - (c) the sign must be clearly visible under seasonal conditions to persons approaching the dam;
 - (d) the sign and post must be constructed from metal or other durable materials having strength suited to the location and environment of the sign;
 - (e) the sign must meet any other requirement specified by the comptroller or a regional water manager.
- (6) Subsection (5) applies whether or not the dam owner has an authorization or other right to use or occupy the Crown land on which the dam is partially or entirely located.
- (7) For the purposes of subsection (5) (a) (iii) (A), if there is more than one dam owner, the dam owner whose name and emergency telephone numbers must be on the sign is the dam owner who
 - (a) the dam owners agree is the emergency contact for the dam, or
 - (b) if there is no agreement by the owners, the dam owner specified by a dam safety officer.

[am. B.C. Reg. 108/2011, App. 1, s. 3; App. 2, s. 2.]

Emergency preparedness plan

- 3.1** (1) A dam owner of a dam that has a classification of significant, high, very high or extreme must, in the form and manner and within the time period specified by the comptroller or regional water manager,
- (a) prepare a plan that describes the actions to be taken by the dam owner in the event of an emergency at the dam, and
 - (b) submit the plan to a dam safety officer for acceptance by the dam safety

officer.

- (2) Subsection (1) applies whether or not there is a term or condition in an approval granted or licence issued that requires the preparation of such a plan for the dam.
- (3) A dam owner of a dam that has a classification of significant, high, very high or extreme must
 - (a) review, and revise if necessary, the emergency preparedness plan for the dam no less frequently than is specified for the classification of the dam in items 5 and 6 in the Schedule 2 table, and
 - (b) submit any revisions to a dam safety officer for acceptance by the dam safety officer.

[en. B.C. Reg. 108/2011, App. 1, s. 4.]

Change of classification

3.2 If the classification of a dam changes, a dam owner must, in a timely manner,

- (a) meet the requirements of this regulation that apply in respect of the new classification, and
- (b) review, and revise if necessary, the operation, maintenance and surveillance manual and the emergency preparedness plan, if any, for the dam and submit any revisions to a dam safety officer for acceptance by the dam safety officer.

[en. B.C. Reg. 108/2011, App. 1, s. 4.]

Alteration of a dam

- 4** (1) Any alteration, improvement or replacement to all or any part of a dam must be authorized by an approval, licence or order.
- (2) Subsection (1) does not apply to an alteration, improvement or replacement for the purpose of
 - (a) maintaining the dam as authorized under section 3, or
 - (b) addressing a hazardous condition under section 8.
- (3) On completion of an alteration, improvement or replacement to all or any part of a dam, a dam owner must, in a timely manner,
 - (a) submit to a dam safety officer a report on the work and the manner in which the alteration, improvement or replacement was performed, and
 - (b) review, and revise if necessary, the operation, maintenance and surveillance manual and the emergency preparedness plan, if any, for the dam and submit any revisions to a dam safety officer for acceptance by the dam safety officer.

[am. B.C. Reg. 108/2011, App. 1, s. 5.]

Inspections and tests

5 A dam owner must do all of the following:

- (a) inspect the dam and dam site no less frequently than is specified for the classification of the dam in items 1 and 2 in the Schedule 2 table in order to

assess the condition of the dam during the construction, operation or alteration of the dam;

(b) test the operation of the outlet facilities, spillway gates and other mechanical components of the dam no less frequently than is specified for the classification of the dam in item 4 in the Schedule 2 table;

(c) record the results of every inspection or test performed under this section;

(d) comply with section 7.1 or 8, if applicable.

[en. B.C. Reg. 108/2011, App. 1, s. 6.]

Reporting

6 (1) If an inspection or test is carried out under section 5 or any other inspection, test or review is carried out with respect to a dam, a dam owner must, if required by a dam safety officer, submit to the dam safety officer, in the form and manner and within the time period specified by the dam safety officer,

(a) a record of the results of the inspection, test or review, and

(b) the results and analysis of any test or measurement taken including, but not limited to,

(i) instrumentation readings and analysis,

(ii) visual records or observations,

(iii) drawings,

(iv) soil, aggregate and concrete test results, and

(v) any other test results.

(2) Despite subsection (1), if an inspection, test or review carried out with respect to a dam reveals a potential safety hazard referred to in section 7.1 or a hazardous condition referred to in section 8, a dam owner must promptly submit to a dam safety officer the records referred to in subsection (1).

(3) A dam owner must, if required by a dam safety officer, submit to the dam safety officer copies of the following records relating to the design, construction or alteration of the dam:

(a) all design notes, drawings and specifications;

(b) hydraulic, hydrologic, geological and geotechnical data;

(c) reports and other similar records.

[en. B.C. Reg. 108/2011, App. 1, s. 6.]

Review of downstream conditions

6.1 A dam owner must

(a) annually conduct a review of conditions downstream of the dam to assess whether there has been any change to the classification of the dam, and

(b) immediately notify a dam safety officer if there has been a change to the classification of the dam.

[en. B.C. Reg. 108/2011, App. 1, s. 6.]

Dam safety review and report

- 7** (1) A dam owner of a dam that has a classification of high, very high or extreme must, no less frequently than is specified for the classification of the dam in item 7 in the Schedule 2 table,
- (a) have a professional engineer with qualifications and experience in dam safety analysis,
 - (i) carry out a review, in accordance with the requirements of the comptroller or regional water manager,
 - (A) to determine whether the dam is safe, and
 - (B) if it is determined that the dam is not safe, to determine what actions are required to make the dam safe; and
 - (ii) prepare, in the form and manner specified by the comptroller or regional water manager, a dam safety report, and
 - (b) submit to a dam safety officer, for acceptance by the dam safety officer, a copy of the dam safety report prepared by the professional engineer.
- (2) Despite subsection (1), if a dam classification increases due to an increase in the consequences of a failure of the dam, other than an increase from a low classification to a significant classification, the dam owner must meet the requirements of paragraphs (a) and (b) of subsection (1) no later than 2 years from the earlier of the following dates:
- (a) the date on which a dam safety officer notifies the dam owner of the change in classification;
 - (b) the date on which the dam owner notifies a dam safety officer of the change in classification;
- unless the comptroller, regional manager or a dam safety officer specifies that the requirements must be met by another date.
- (3) For the purposes of subsections (1) and (2), if a dam owner meets the requirements of paragraphs (a) and (b) of subsection (1) on or before December 31 of the year in which the requirements must be met under those subsections, the dam owner is deemed to have met the requirements within the time required.
- (4) After completion of a dam safety review the dam owner must comply with section 7.1 or 8, if applicable.

[en. B.C. Reg. 108/2011, App. 1, s. 6.]

Potential safety hazard at a dam

7.1 If

- (a) an inspection or test under section 5,
- (b) a dam safety review,
- (c) monitoring, under section 11, the instrumentation installed at a dam, or
- (d) any other inspection, test or review carried out with respect to a dam

reveals a potential safety hazard to which section 8 does not apply, a dam owner must prepare a plan that identifies and prioritizes any actions required to correct the potential safety hazard and, in accordance with section 4, if applicable, must

implement the plan in a timely manner based on the priorities identified in the plan.

[en. B.C. Reg. 108/2011, App. 1, s. 6.]

Hazardous conditions at a dam

- 8** If conditions exist which are or are likely to be hazardous to a dam, or if conditions may reasonably be anticipated to cause a dam, or any part of a dam, or any operation or action at or in connection with a dam, to be or become potentially hazardous to public safety, the infrastructure or works, other property or the environment, a dam owner must promptly do all of the following:
- (a) if an emergency preparedness plan exists, modify the operation of the dam, or any part of the dam, in accordance with the emergency preparedness plan;
 - (b) if an emergency preparedness plan does not exist, operate the dam in a manner, and initiate any remedial actions, that will
 - (i) safeguard the public,
 - (ii) minimize damage to the infrastructure or works or to other property, including that not owned by the dam owner, and
 - (iii) minimize damage to the environment;
 - (c) contact the Provincial Emergency Program;
 - (d) notify a dam safety officer, or the comptroller or regional water manager, of
 - (i) the nature of the existing or anticipated conditions,
 - (ii) all things done by the dam owner to rectify the conditions, and
 - (iii) the time and exact nature of any information or warning of existing or anticipated conditions issued to any person under this section;
 - (e) inform local authorities, and persons who may be in immediate danger from the potential failure of the dam, of the nature of the existing or anticipated conditions and, if necessary, advise those persons who may be in immediate danger to vacate and remove any property from the endangered area;
 - (f) modify the operation of the dam to minimize or prevent damage which may be caused by the failure of the dam, and undertake any other hazard response activity required by a dam safety officer or engineer or by the comptroller or regional water manager.

[am. B.C. Reg. 108/2011, App. 2, s. 3.]

Suspension of normal operation or removal of a dam

- 9** (1) A dam owner must give the comptroller or regional water manager at least 60 days written notice before undertaking any of the following activities:
- (a) removing all or a significant part of a dam;
 - (b) decommissioning or abandoning a dam;
 - (c) stopping the normal operation of a dam for a period of time longer than one year.

- (2) The dam owner must prepare, and submit to a dam safety officer for approval,
 - (a) a plan respecting an activity under subsection (1) (a) or (b), or
 - (b) if required by the dam safety officer, a plan respecting an activity under subsection (1) (c).
- (3) The dam owner must, at least 14 days before the date on which the work is expected to commence, notify a dam safety officer before commencing any work under the approved plan.
- (4) The dam owner must submit to a dam safety officer, on the completion of the work performed under the approved plan, a report on the work and the manner in which it was performed.
- (5) The dam owner must undertake any further actions that the comptroller or regional water manager requires to alleviate any adverse consequences to any person, the infrastructure or works, other property or the environment that may be affected by any work performed on the dam.
- (6) An approval under subsection (2) respecting the decommissioning of a dam is subject to the *Environmental Assessment Act* and to approvals, if any, required under that Act.

Information and evaluation

- 10** (1) A dam owner must, if required by a dam safety officer, submit to the dam safety officer the following information in order to evaluate the condition or hazard potential of a dam:
- (a) information with respect to the dam including, but not limited to,
 - (i) foundation investigation results,
 - (ii) design details and as-built plans,
 - (iii) construction records,
 - (iv) operation manuals,
 - (v) records of instrumentation,
 - (vi) inspection reports,
 - (vii) safety reports, and
 - (viii) inundation studies and emergency preparedness plans;
 - (b) information with respect to the nature of the land and the stream, and the use of the land and the stream, downstream from or adjacent to the dam or reservoir, including the hydraulic, hydrologic, geological and geotechnical characteristics and the uses of the land and stream;
 - (c) information with respect to the watershed upstream of the dam.
- (2) The information required under subsection (1) must be submitted to a dam safety officer, in the form and manner and within the time period specified by the comptroller or regional water manager.
 - (3) The dam owner must conduct any inspection, investigation, survey or test that is necessary to provide the information required by subsection (1).
 - (4) If a dam owner conducts an investigation that involves drilling, trenching, excavating a test pit or other invasive activity within the dam or in close proximity to the dam, the dam owner must ensure that the activity is directly supervised by a professional

engineer with qualifications and experience in dam design, construction and analysis.

[am. B.C. Reg. 108/2011, App. 1, s. 7.]

Instrumentation

11 A dam owner must do all of the following:

- (a) install any instrumentation necessary to adequately monitor the performance of a dam;
- (b) maintain or replace instrumentation installed at a dam to ensure continuity of readings;
- (b.1) monitor the instrumentation installed at a dam no less frequently than is specified for the classification of the dam in item 3 in the Schedule 2 table;
- (c) if required by a dam safety officer, submit to the dam safety officer instrumentation readings and evaluations in the form and manner and within the time period specified by the dam safety officer;
- (c.1) comply with section 7.1 or 8, if applicable;
- (d) submit, to a dam safety officer for acceptance by the dam safety officer,
 - (i) notice of any planned modifications to, changes to or removal of the instrumentation at least 60 days before the proposed modification, change or removal, or
 - (ii) an annual plan outlining intended changes to the instrumentation.

[am. B.C. Reg. 108/2011, App. 1, s. 8.]

Expert opinion

12 (1) If, based on information submitted in respect of a dam or related works, the comptroller or regional water manager considers that a question has arisen as to what is proper practice for resolving an issue involving a dam or related works, the comptroller or regional water manager may require a dam owner to retain an independent expert, satisfactory to the comptroller or regional water manager, with qualifications and experience as follows:

- (a) in the case of a dam, in dam design, construction and analysis;
- (b) in the case of related works, in hydraulic, hydrological, geological, geotechnical, mechanical or structural engineering or other appropriate disciplines.

(2) The expert retained under subsection (1) must provide a report to the comptroller or regional water manager on the issue.

[am. B.C. Reg. 108/2011, App. 1, s. 9.]

Acceptance by dam safety officer

13 (1) If a record that is submitted under this regulation by a dam owner to a dam safety officer for acceptance by the dam safety officer is not in a form that is acceptable to the dam safety officer, the dam safety officer may return the record to the dam owner together with a written notice specifying the deficiencies in the record and requiring that they be corrected.

(2) If a dam safety officer provides a written notice to a dam owner under subsection (1)

- (a) the dam owner must correct the deficiencies identified in the notice in a timely manner, and
- (b) the dam safety officer is not required to accept the record referred to in subsection (1) until the dam owner has corrected the deficiencies set out in the notice.

[en. B.C. Reg. 108/2011, App. 1, s. 10.]

Transition — dam safety review and report

14 (1) Despite section 7, if a dam

- (a) had a downstream consequence classification of low or very low under this regulation as it read immediately before June 9, 2011, and
- (b) had a classification of high, very high or extreme on June 9, 2011,

the dam owner must meet the requirements of paragraphs (a) and (b) of section 7 (1) no later than December 31, 2013.

(2) Despite section 7, subsection (3) of this section applies to a dam if

- (a) the dam had a downstream consequence classification of high or very high under this regulation as it read immediately before June 9, 2011,
- (b) the dam had a classification of extreme on June 9, 2011, and
- (c) on June 9, 2011 the immediately preceding dam safety review in respect of the dam was conducted in a year set out in column 1 of the table in subsection (3).

(3) For the purposes of subsection (2) of this section, the dam owner must meet the requirements of paragraphs (a) and (b) of section 7 (1) no later than the date specified in column 2 in the table below opposite the year in which the immediately preceding dam safety review was conducted as set out in column 1 of the table below:

Column 1		Column 2
Item	Year of immediately preceding dam safety review	Date by which requirements in paragraphs (a) and (b) of section 7 (1) must be met
1	2001 or 2002	10 years from the date on which the dam safety report in respect of the immediately preceding review was submitted to a dam safety officer.
2	2003, 2004 or 2005	December 31, 2013.
3	2006 and thereafter	The date specified for the classification of the dam in item 7 in the Schedule 2 table.

(4) In respect of Items 1 and 3 of the table in subsection (3) of this section, if a dam owner meets the requirements of paragraphs (a) and (b) of section 7 (1) on or before December 31 of the year in which the requirements must be met under subsection (3) of this section, the dam owner is deemed to have met those requirements within the time required.

[en. B.C. Reg. 163/2011.]

Schedule 1

[en. B.C. Reg. 108/2011, App. 1, s. 11.]

(sections 1, 2 (1) (d), 3 (2) and (3.1), 3.1 (1) and (3), 3.2, 5, 6.1, 7, 11 (b.1) and 14)

Dam Classification

Definitions

1 In this Schedule:

"category" , with respect to consequences of failure, means one of the following:

- (a) loss of life;
- (b) environment and cultural values;
- (c) infrastructure and economics;

"consequences of failure" means losses or damages that

- (a) are caused by the failure of a dam, and
- (b) result from impacts on areas that are at the dam or are downstream or upstream of the dam;

"failure" , in respect of a dam, means the partial or complete collapse of the dam and the uncontrolled release of all or part of the water stored by the dam, caused by either flood-induced failure or non flood-induced failure;

"flood-induced failure" means a dam failure that is caused by a natural flood of a magnitude that is greater than the magnitude that the dam can pass at the time of the failure;

"non flood-induced failure" means a dam failure that occurs during normal dam operation that is caused by conditions such as internal erosion, piping, an earthquake or an error in operation leading to overtopping.

Determination of classification

2 The dam failure consequences classification of a dam is determined in accordance with the following steps:

- (a) for each category of consequences of failure in the following table, identify the losses or damages specified in the table that most closely describe the losses or damages that are the worst potential consequences of a failure of the dam;
- (b) identify the classification that is specified in the following table for the losses or damages referred to in paragraph (a) for each category;
- (c) the classification identified under paragraph (b) with the worst potential consequences is the classification of the dam.

Table

Dam failure consequences classification	Population at risk	Consequences of failure		
		Loss of life	Environment and cultural values	Infrastructure and economics
Low	None ¹	There is no possibility of loss of life other than	Minimal short-term loss or deterioration and	Minimal economic losses mostly limited to the dam owner's property, with virtually no pre-existing potential for development within the dam inundation zone.

		through unforeseeable misadventure.	no long-term loss or deterioration of (a) fisheries habitat or wildlife habitat, (b) rare or endangered species, or (c) unique landscapes or sites of cultural significance.	
Significant	Temporary only ²	Low potential for multiple loss of life.	No significant loss or deterioration of (a) important fisheries habitat or important wildlife habitat, (b) rare or endangered species, or (c) unique landscapes or sites of cultural significance, and restoration or compensation in kind is highly possible.	Low economic losses affecting limited infrastructure and residential buildings, public transportation or services or commercial facilities, or some destruction of or damage to locations used occasionally and irregularly for temporary purposes.
High	Permanent ³	10 or fewer	Significant loss or deterioration of (a) important fisheries habitat or important wildlife habitat, (b) rare or endangered species, or (c) unique landscapes or sites of cultural significance, and restoration or compensation in kind is highly possible.	High economic losses affecting infrastructure, public transportation or services or commercial facilities, or some destruction of or some severe damage to scattered residential buildings.
Very high	Permanent ³	100 or fewer	Significant loss or deterioration of	Very high economic losses affecting important infrastructure, public transportation or services or commercial facilities, or some destruction of or some

- (a) critical fisheries habitat or critical wildlife habitat, severe damage to residential areas.
- (b) rare or endangered species, or
- (c) unique landscapes or sites of cultural significance, and restoration or compensation in kind is possible but impractical.

Extreme	Permanent ³ More than 100	Major loss or deterioration of	Extremely high economic losses affecting critical infrastructure, public transportation or services or commercial facilities, or some destruction of or some severe damage to residential areas.
		(a) critical fisheries habitat or critical wildlife habitat,	
		(b) rare or endangered species, or	
		(c) unique landscapes or sites of cultural significance, and	
		restoration or compensation in kind is impossible.	

¹ There is no identifiable population at risk.

² People are only occasionally and irregularly in the dam-breach inundation zone, for example stopping temporarily, passing through on transportation routes or participating in recreational activities.

³ The population at risk is ordinarily or regularly located in the dam-breach inundation zone, whether to live, work or recreate.

Schedule 2

[en. B.C. Reg. 108/2011, App. 1, s. 11; am. B.C. Reg. 163/2011.]
(sections 1, 3 (3.1), 3.1 (3), 5, 7, 11 (b.1) and 14)

Minimum Frequency of Safety Activities

Interpretation of Schedule

- 1 In this Schedule:
"EPP" means the emergency preparedness plan for a dam;

"formal inspection" means a thorough on-site inspection performed by the representative of the dam owner who is responsible for dam safety;

"OMS manual" means the operation, maintenance and surveillance manual for a dam;

"site surveillance" means the close monitoring of dam behaviour through visual inspections and, in addition, may include the systematic collection, analysis and interpretation of data obtained through automated instrumentation.

Frequency of activities

2 In the following table, column 1 sets out an activity that must be carried out by a dam owner under a provision in this regulation and columns 2, 3, 4 and 5 set out the minimum frequency with which the activity must be carried out for each classification.

Item	Column 1 Activity	Column 2	Column 3	Column 4	Column 5
		Extreme	Very high	Significant	Low
		classification	and high classifications	classification	classification
1	Site surveillance	Weekly ¹	Weekly ¹	Monthly ¹	Quarterly
2	Formal inspection	Semi-annually	Annually	Annually	Annually
3	Monitor instrumentation	Annually unless otherwise specified in the OMS manual	Annually unless otherwise specified in the OMS manual	Annually unless otherwise specified in the OMS manual	If and when required by a dam safety officer
4	Test operation of outlet facilities, spillway gates and other mechanical components	Annually unless otherwise specified in the OMS manual	Annually unless otherwise specified in the OMS manual	Annually unless otherwise specified in the OMS manual	Annually
5	Update the emergency contact information in the EPP	Annually	Annually	Annually	Not applicable
6	Review, and revise if necessary, the OMS manual and the EPP	Every 7 years	Every 10 years	Every 10 years	Not applicable
7	Conduct dam safety review and submit dam safety report	Every 7 years	Every 10 years	Not applicable	Not applicable
8	Review downstream conditions, as set out in section 6.1, and notify a dam safety officer of any change in classification	Annually	Annually	Annually	Annually

¹ The frequency of visual inspections may be reduced if provided for in the OMS manual.

[Provisions relevant to the enactment of this regulation: *Water Act*, R.S.B.C. 1996, c. 483, section 101 (1), (2), (3), (5) and (8)]