

**Schedule C - Dam**  
(Please complete one Schedule for each dam)

**Dam Name:** \_\_\_\_\_ **Waterbody Name:** \_\_\_\_\_

**Project Name:** \_\_\_\_\_ **Year Built:** \_\_\_\_\_

**Location**  
Please mark location of dam on a copy of a topographic map (preferably at 1:50,000 scale) or Google Earth Image and include as a separate attachment with the application. Please provide coordinates (UTM or Lat/Long):

N \_\_\_\_\_ E \_\_\_\_\_ NAD \_\_\_\_\_ ZONE \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

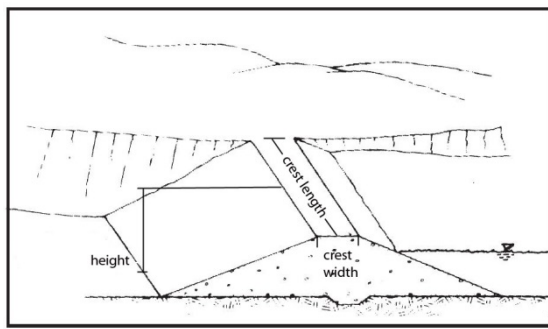
**Design**

**Regulatory Dam Type:**

Canadian Dam Association (CDA) definition of dam (≥ 2.5 m height or impounds ≥ 30,000 m<sup>3</sup> of water)

Very Small Dam (dam height < 2.5 m and > 1.0 m)

**Purpose of Dam:**



Hydroelectric       Drinking Water Supply       Tailings       Other \_\_\_\_\_

**Drainage Area Profile:**      **Drainage Area Classification:**

Drainage Area: \_\_\_\_\_ km<sup>2</sup>      Forest: \_\_\_\_\_ %

Main Channel Length: \_\_\_\_\_ km      Barren: \_\_\_\_\_ %

Slope of Drainage Area: \_\_\_\_\_ %      Wetland: \_\_\_\_\_ %

Urban: \_\_\_\_\_ %

**Inflow Design Flood (IDF):**

Return Period: 1: \_\_\_\_\_ years      IDF: \_\_\_\_\_ m<sup>3</sup>/s

Probable Max Flood (PMF): \_\_\_\_\_ m<sup>3</sup>/s      EDF: \_\_\_\_\_ m<sup>3</sup>/s (for tailings dams only)

**Dam Design Brief and Drawings:**

Please provide specifications and drawings of proposed works signed and stamped by a professional engineer. Please provide a dam design brief outlining hydrotechnical, seismic, geotechnical and structural design considerations, as appropriate. Attached documents:

\_\_\_\_\_

\_\_\_\_\_

**Dam Material:**

Concrete     Earthfill     Rockfill     Timber     Sandbag     Other \_\_\_\_\_

**Dam Details:**

Dam Height:	_____ m	Minimum Freeboard:	_____ m
Storage Capacity:	_____ m <sup>3</sup>	Normal Freeboard:	_____ m
Crest Elevation:	_____ m	Spillway Elevation:	_____ m
Crest Length:	_____ m	Spillway Width:	_____ m
Crest Width:	_____ m	Core Elevation:	_____ m
Normal Operation Elev:	_____ m		
Max Water Elevation:	_____ m	Min Water Elevation:	_____ m
Spillway Capacity:	_____ m <sup>3</sup> /s	Gate Capacity:	_____ m <sup>3</sup> /s
Spillway Riprap Size (D50):	_____ mm	Spillway Riprap Depth:	_____ mm
Embankment Riprap Size (D50):	_____ mm	Embankment Riprap Depth:	_____ mm

**Dam Safety (for CDA dams only)**

Classification: (See <http://www.env.gov.nl.ca/env/waterres/damsafety/index.html#consequences>)

Extreme     Very High     High     Significant     Low

Please attach a Dam Safety Review Report. If not available, please indicate when the report will be completed: \_\_\_\_\_

Please attach Emergency Preparedness and Response Plan (EPRP). If not available, please indicate when the report will be completed: \_\_\_\_\_

**Construction** (Please attach separate sheets, if required)

Equipment to be used: \_\_\_\_\_

Proposed dewatering method(s): \_\_\_\_\_

Briefly describe how erosion control and stabilization will be carried out:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Briefly describe how site restoration will be carried out:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Submit to: **Department of Environment and Climate Change  
Water Resources Management Division  
PO Box 8700, St. John's NL A1B 4J6  
Attention: Paula Dawe, Manager**

**Email:** [pauladawe@gov.nl.ca](mailto:pauladawe@gov.nl.ca)  
**Phone:** 709-729-4048  
**Fax:** 709-729-0320