

# OPERATION, MAINTENANCE & SURVEILLANCE PLAN

Dam Name: \_\_\_\_\_ Water Licence No.: \_\_\_\_\_

Owner's Name: \_\_\_\_\_ Phone #: \_\_\_\_\_

Stream Name: \_\_\_\_\_ Reservoir Name: \_\_\_\_\_

Dam Location: **Latitude:** \_\_\_\_\_ **Longitude:** \_\_\_\_\_ **Map Sheet No.** \_\_\_\_\_

## LIST INDIVIDUALS WHO ARE RESPONSIBLE FOR:

	<u>Name</u>	<u>Title</u>	<u>Phone #</u>
Operation:	_____	_____	_____
Maintenance:	_____	_____	_____
Inspections:	_____	_____	_____
Instrumentation:	_____	_____	_____

## PHYSICAL DESCRIPTION:

Dam Height: \_\_\_\_\_ Dam Type: \_\_\_\_\_

Length: \_\_\_\_\_ Crest Width: \_\_\_\_\_

Reservoir Capacity: \_\_\_\_\_ Reservoir Area: \_\_\_\_\_

Spillway Capacity: \_\_\_\_\_ Design Flood Inflow: \_\_\_\_\_

Watershed Area: \_\_\_\_\_ Purpose of Dam: \_\_\_\_\_

Consequence Classification: \_\_\_\_\_

**ACCESS TO DAM:** (describe road access to dam from nearest center, attach map to this Plan)

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**LIST SIGNIFICANT STRUCTURES DOWNSTREAM OF DAM:** (i.e., access road, railroad, subdivision etc.)

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**LIST ALL HYDRAULIC WORKS:** (i.e., spillway, outlet, stoplogs, gates, valves etc. (include capacity, dimensions, locations etc.))

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**LIST PROCEDURES FOR RESERVOIR OPERATION:** (i.e., how is reservoir level controlled? what is the anticipated reservoir level for any given time of year? when are the drawdown and filling periods? what are the operation procedures during floods?)

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**LIST ALL ITEMS REQUIRING ROUTINE MAINTENANCE:** (include type of maintenance to be performed, scheduling of maintenance, record keeping, etc.)

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**LIST ALL INSTRUMENTATION, FREQUENCY OF MONITORING, AND METHOD OF RECORD KEEPING:** (i.e., seepage measurement weir, reservoir level gauge, piezometers, etc.)

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**LIST OF EQUIPMENT TO BE PERIODICALLY TEST OPERATED:** (i.e., gates, valves, hoists, etc. include frequency of test operation)

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**LIST ALL COMPONENTS REQUIRING ROUTINE VISUAL INSPECTIONS:** (include schedule) (e.g. weekly, monthly, quarterly, annually etc.)

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**ANNUAL FORMAL INSPECTIONS BY OWNER:** *(include; time of year when performed, special items to be examined, reviewed, and/or test operated)*

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**ATTACH THE FOLLOWING INFORMATION TO THIS PLAN:**

- *All dam design plans including as-built, if available.*
- *A location map showing the dam location relative to major roads and/or communities.*
- *All past inspection reports.*
- *An inspection checklist.*
- *A log showing repairs done and operating problems.*