POND SUMMARY SHEET

Maryland Department of the Environment
Dam Safety Program

Part 1: General Information

APPROVAL TYPE

- ☐ New Small Pond
- ☐ Modify/Repair/Retrofit Small Pond
- ☐ Geotechnical Investigation
- ☐ Work in Reservoir Only
- ☐ Remove Small Pond
- ☐ As-Built Approval
- ☐ Other (Specify below):

PROJECT NAME / LOCATION

Project Name:
MDE/SCD File No.:
Pond/BMP ID No.:

*Cold Water Resource Area Map: https://bit.ly/3gXAI3U

Latitude *(decimal deg)*
Longitude *(decimal deg)*
Stream Name
Use Class
Cold Water? ☐ Y / ☐ N

PROPERTY OWNER INFORMATION

Owner Company:
Point of Contact:
Street Address:

Phone Number:
Email:

ENGINEER IN CHARGE INFORMATION

Owner Company:
Point of Contact:
Street Address:

Phone Number:
Email:
Maryland PE No.:

Part 2: Structure Information

HAZARD POTENTIAL CLASSIFICATION

Hazard Classification

- ☐ High
- ☐ Significant
- ☐ Low
- ☐ Low (Small Pond)

Breach Analysis Method

- ☐ Screening
- ☐ Simplified
- ☐ Standard
- ☐ Other

Population at Risk

*If relying on a previously approved breach analysis, provide a copy with application

POND CHARACTERISTICS

- ☐ Excavated
- ☐ Embankment
- ☐ Both
- ☐ Superwide

Distance Below Pond to:

Property Line (feet)
Public Road (feet)
Will embankment serve as roadway/railway? ☐ Y / ☐ N

POND SUMMARY SHEET

PURPOSE OF STRUCTURE (Check all that apply)

- ☐ Stormwater Management-Wet Pond
- ☐ Stormwater Management-Dry Pond
- ☐ Infiltration
- ☐ Submerged Gravel Wetland
- ☐ Bioretention
- ☐ Tailings / Dredged Material
- ☐ Sediment Control
- ☐ Flood Control
- ☐ Recreation
- ☐ Waste Water
- ☐ Water Supply/Irrigation
- ☐ Wildlife/Fish
- ☐ Fire Control
- ☐ Other (Specify Below)

PROPERTIES OF DAM AND RESERVOIR

Length of Dam	(feet)	Surface Area (normal pool)	(acres)
Crest Width	(feet)	Surface Area (brim full)	(acres)
Embankment Ht.	(feet)	Storage (normal pool)	(acre-ft)
(Height measured from lowest upstream point to crest of dam)		Storage (IDF)	(acre-ft)
Dam Crest Elev.	Datum:	Storage (brim full)	(acre-ft)
Normal Pool Elev.		Side Slopes, US	H : 1V
IDF Pool Elev.		Side Slopes, DS	H : 1V
Freeboard	(feet)		
Drainage Area	(acres | sq. mi.)		

IDF = Inflow Design Flood (24-hr, 100-year for low hazard, ½ PMF for significant hazard, PMF for high hazard)

SPILLWAY CHARACERISTICS

Principal Spillway Type	*Auxiliary Spillway Type*	*Auxiliary Spillway Protection*
☐ Riser & Barrel	☐ Earthen Channel	☐ Grass
☐ Weir Wall	☐ Rock Channel	☐ Riprap Class:
☐ Weir & Channel	☐ None	☐ Gabions
☐ Other (specify below)	☐ Other (specify below)	☐ Other (specify below)

Principal Spillway Material

☐ RCP	☐ CMP / BCCMP	☐ Alum (CAP)	☐ PVC / HDPE
☐ Ductile Iron	☐ Cast-in-place concrete	☐ Pre-cast concrete	☐ Other _____

Riser & Barrel

Barrel Diameter (in.)	Capacity at IDF (cfs)
Riser Dimensions	Anti-flotation FS

Weir Wall / Weir & Channel

Weir Length (ft)	Overturning FS
Weir Coefficient	Sliding FS

Auxiliary Spillway

Crest Elevation	Capacity at IDF (cfs)
Bottom Width (ft)	Maximum Velocity (ft/sec)
Side Slopes H : 1V	