**Maryland Department of the Environment**

**Dam Safety Program**

**Part 1: General Information**

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| **APPROVAL TYPE** | | |
| New Small Pond | As-Built Approval |  |
| Modify/Repair/Retrofit Small Pond | Other (Specify below): |  |
| Geotechnical Investigation |  |  |
| Work in Reservoir Only  Remove Small Pond |  |  |
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| **PROJECT NAME / LOCATION** | | | | |
| Project Name: |  | Latitude |  | *(decimal deg)* |
| MDE/SCD File No.: |  | Longitude |  | *(decimal deg)* |
| Pond/BMP ID No.: |  | Stream Name |  |  |
|  |  | Use Class |  |  |
| \*Cold Water Resource Area Map: https://bit.ly/3gXAI3U | | Cold Water? | Y /  N |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PROPERTY OWNER INFORMATION** | | | | |
| Owner Company: |  | Phone Number: |  | |
| Point of Contact: |  | Email: |  | |
| Street Address: |  |  |  |  |
|  |  |  |  |

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| **ENGINEER IN CHARGE INFORMATION** | | | | |
| Owner Company: |  | Phone Number: |  | |
| Point of Contact: |  | Email: |  | |
| Street Address: |  | Maryland PE No.: |  | |
|  |  |  |  |

**Part 2: Structure Information**

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| **HAZARD POTENTIAL CLASSIFICATION** | | | |
| *Hazard Classification* | *Breach Analysis Method* | Population at Risk |  |
| High | Screening |  | |
| Significant | Simplified | \*If relying on a previously approved breach analysis, provide a copy with application | |
| Low | Standard |
| Low (Small Pond) | Other |

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| **POND CHARACTERISTICS** | | | | |
| Excavated | *Distance Below Pond to:* | |  |  |
| Embankment | Property Line |  | (feet) |  |
| Both | Public Road |  | (feet) |
| Superwide | Will embankment serve as roadway/railway? | | Y /  N |

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| **PURPOSE OF STRUCTURE (Check all that apply)** | | |
| Stormwater Management-Wet Pond | Tailings / Dredged Material | Water Supply/Irrigation |
| Stormwater Management-Dry Pond | Sediment Control | Wildlife/Fish |
| Infiltration | Flood Control | Fire Control |
| Submerged Gravel Wetland | Recreation | Other (Specify Below) |
| Bioretention | Waste Water |  |

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| **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)

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| **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 |  | | |  |