**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 |  |

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| **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 |  |  |