Commonwealth Of Kentucky

NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET DIVISION OF WATER

300 Sower Blvd, Frankfort, Ky 40601

DAM CONSTRUCTION PERMIT APPLICATION DATA SHEET

Date: _____

The following is a general description of the design, including the various factors involved, the general plans, sections and specifications. Included in the drawings are vicinity maps and curves showing the hydraulic capacities. Items not pertinent to this project are deleted.

LOCATION AND PURPOSE:

1. County _____
2. Stream _____
3. Latitude _____ Longitude _____
4. Purpose _____
5. Topographic Map (*7 ½ Quadrangle*) Name (*Attach Quad Map Copy*)

SUMMARY OF DESIGN

1.	Drainage Area	Acres	Sq Miles
2.	Storage Capacity		Acre Feet
3.	Maximum Height of Dam		Feet
4.	Spillway Capacity		C.F.S.
5.	Top of Dam Elevation		Feet, MSL
6.	Normal Water Surface		Feet, MSL
7.	Maximum Water Surface		Feet, MSL
8.	Minimum Water Surface		Feet, MSL
9.	Freeboard Above Maximum Water		Feet
10.	Power Capacity		Feet
11.	General Plans and Sections	(*Attach 1 Copy of Plans*)	

DESIGN DATA

1. Geological Report, Author and Data (*Attach Geologic Report Copy*)
2. Log of Test Pits and Drill Holes (*Attach Test Pit/Drill Holes Log Copy*)
3. Hydraulic Data, Capacities and requirements and by whom established

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a. Storage (Irrigation, Flood, etc.)

b. Spillway

c. Outlet

d. Diversion

e. Area Storage Capacity Curves for Various Elevations of Water Surface

4. Hydrologic Data
   a. Hydrographs
   b. Maximum Recorded Runoff
   c. Maximum Anticipated
   d. Discharges (*100 Yr, Etc.*)
   e. Design Values & Method
5. Right of Way Information

RESERVOIR:

1. General Dimensions:
2. Existing Structures:
3. Proposed Structures:
4. Nature Of Land Flooded and Clearing Required:
5. House Elevations and Distance from Structure OR Proposed Site
6. Relocations Required (Railroad, Highway, Telephone, Power, Pipeline, Etc.)
7. Geology

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a. General Formations

b. Factors Relating to Reservoir Losses

c. Contributing Springs

d. Deleterious Mineral and Salt Deposits

DAM SITE:

1. Geological Features, Formations:
2. Nature Of Stream Bed and Abutments:
3. Interpretation of Test Pits and Drill Holes:
4. Percolation Tests, Ground Water:

DAM:

1. Features Governing Design:
2. Water Surface Elevation, Storage Capacities, Freeboard, Etc.:
3. Grouting Requirements:

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SPILLWAY:

1. Requirements:

2.
   a. Factors Governing Design and Location:

   b. Maximum Spillway Velocity

3. Type:

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a. Controlled or Uncontrolled

b. Lining

c. Dimension

d. Elevation

4. Gates, Gate Structure

a. Dimensions

b. Operation

5. Stilling Basin

a. General Description

b. Dimensions

6. Approaches

By Signing below, we Certify That The Above Statements Are True And Correct.

Owner **Date**

Engineer **Date**

PE Number

Seal