

Commonwealth Of Kentucky
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DIVISION OF WATER
14 Reilly Rd
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 1/2 *Quadrangle*) Name (*Attach 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*)

DESIGN DATA:

1. Geological Report, Author and Data _____ (*Attach Copy*)
2. Log Of Test Pits and Drill Holes _____ (*Attach Copy*)
3. Hydraulic Data, Capacities and requirements
and by whom established _____
 - a. Storage (Irrigation, Flood Etc.) _____
 - b. Spillway _____

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- 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:

SPILLWAY:

- 1. Requirements:
- 2. a. Factors Governing Design and Location:
 - b. Maximum Spillway Velocity _____
- 3. Type:

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