

ARKANSAS NATURAL RESOURCES COMMISSION APPLICATION FOR DAM PERMIT

PROPOSED DAM
 EXISTING DAM DATE BUILT: _____

Owner Name	Alternative Contract
Address: Street	Address: Street
City, State, Zip	City, State, Zip
Home Phone: ()	Home Phone: ()
Office Phone: ()	Office Phone: ()
Name of Dam: _____	
Name of Reservoir: _____	

Location of Dam

(center of dam crest at center of stream)

County:	Latitude (D.M.S.):
¼, ¼, (Section, Township, Range):	Longitude (D.M.S.):
Name of U.S.G.S. Quadrangle Map: _____	
The stream on which the dam is to be constructed: _____	
a tributary of _____, within the _____ river basin.	

	Reservoir Volume – Area – Elevation	
	Volume	Area
	(Ac-ft)	(Acres)
		Elevation
		(feet)
Original Streambed at toe of dam.....	_____	_____
Sediment Pool	_____	_____
Normal Storage	_____	_____
Emergency Spillway Crest	_____	_____
Maximum Design Storage	_____	_____
Effective Crest of Dam	_____	_____

Maximum Emergency Spillway Discharge: _____ (cfs)
 Length of Dam: _____ ft. (Along centerline of crest, include spillways if integral to dam.)
 Height of Dam: _____ ft. (Vertical distance from original streambed at toe of dam to lowest point on crest of dam excluding spillways.)
 Structural Height of Dam: _____ ft. (Vertical distance from lowest point of excavated foundation to lowest point on crest.)
 Hydraulic Height: _____ ft. (Vertical distance from lowest point in original streambed at toe of dam to maximum design water level.)
 Watershed Area: _____ square miles.



Indicate the major purpose(s), in approximate percentage(s), to be made of the storage volume:

- | | |
|-----------------------------------|--|
| (a) Municipal _____ % | (h) Hydroelectric _____ % |
| (b) Industrial _____ % | (i) Flood Control/Storm Water Mgmt _____ % |
| (c) Irrigation _____ % | (j) Navigation _____ % |
| (d) Aquaculture _____ % | (k) Fire Protection _____ % |
| (e) Recreation _____ % | (l) Debris Control _____ % |
| (f) Livestock _____ % | (m) Tailings _____ % |
| (g) Fish & Wildlife. _____ % | (n) Other _____ % |

Estimated amount of water to be withdrawn per year: _____ (acre-feet).

Maximum withdrawal rate: _____ (gpm).

Plans Developed by:

_____	_____	_____
Company Name	Registered Professional Engineer	Reg. No.
_____	Office Phone: (_____)	_____
Address: (Street)	Home Phone: (_____)	_____
_____	Telefax: (_____)	_____
(City, State, Zip)		

REQUIRED ENCLOSURES

1. Preliminary plans which have been prepared by a Registered Professional Engineer or and authorized agent of the United States Government. Plans must include U.S.G.S. Quadrangle or County Maps or drawings showing:

- | | |
|---|---|
| A. Exact location of the structure | F. Utility lines |
| B. Outline of impounded water | G. Cross section of dam at deepest section |
| C. Outline of watershed | H. Location, elevation, and size of spillways |
| D. Access roads to all major facilities | I. Elevation-volume relationship |
| E. Property lines | J. Elevation-discharge relationships |

2. Description of watershed including land use, soil types, slopes, and ground cover.

3. Description of downstream area subject to damage in the event of a dam failure. Include:

- A. Name of nearest affected city/town downstream and distance from the dam along the stream.
- B. Number and types of buildings and their distance from the dam.
- C. If homes may be affected, number of persons involved.
- D. Description of roads or utilities affected.
- E. Distance from dam to downstream property line along the stream.

4. Describe arrangements for access to dam for inspection, during and after construction.

5. Proposed construction schedule.

