

# APPLICATION TO CONSTRUCT, ENLARGE, REPAIR OR ALTER DAM AND/OR SPILLWAY

**Office Use Only:**

Stream System: \_\_\_\_\_

HUC 12 No: \_\_\_\_\_

\_\_\_ Ag Exempt

OKLAHOMA WATER RESOURCES BOARD

3800 N. Classen Boulevard

Oklahoma City, Oklahoma 73118

Phone: 405-530-8800 Fax 405-530-8900

**Office Use Only:**

Inventory No: \_\_\_\_\_

County: \_\_\_\_\_

Fees \$ \_\_\_\_\_ Paid

**PRINCIPAL OWNER:**

Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: Primary \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Alternative \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Email: \_\_\_\_\_

**LIST ANY ADDITIONAL OWNERS: (Use additional sheets if necessary)**

Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: Primary \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Alternative \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Email: \_\_\_\_\_

**STATUS:**

\_\_\_ New Construction \_\_\_ Inventory Information Only

\_\_\_ Enlargement \_\_\_ Repair

\_\_\_ Alteration \_\_\_ Other \_\_\_\_\_

**TYPE OF DAM:**

\_\_\_ Earthfill \_\_\_ Concrete Buttress

\_\_\_ Rockfill \_\_\_ Concrete Gravity

\_\_\_ Concrete Arch \_\_\_ Other \_\_\_\_\_

**LOCATION:** \_\_\_ 1/4, \_\_\_ 1/4, \_\_\_ 1/4, \_\_\_ 1/4 Section: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_ County: \_\_\_\_\_

Creek or River: \_\_\_\_\_ Watershed: \_\_\_\_\_ Water Use Permit: \_\_\_\_\_

Nearest Downstream Town or City: \_\_\_\_\_ Distance: \_\_\_\_\_ Miles

**DAM AND RESERVOIR INFORMATION: (if applicable)****HAZARD CLASSIFICATION:** In accordance with OAC: 785:25-3-3**Check One:** \_\_\_ Low \_\_\_ Significant \_\_\_ High**SIZE CLASSIFICATION:** In accordance with OAC: 785:25-3-3**Check One:** \_\_\_ Small \_\_\_ Intermediate \_\_\_ Large**DAM INFORMATION:**

Name of Dam \_\_\_\_\_

- Length \_\_\_\_\_ feet
- Height (Streambed to top) \_\_\_\_\_ feet
- Structural Height (Max. plus foundation) \_\_\_\_\_ feet
- Hydraulic Height \_\_\_\_\_ feet
- Volume of Fill \_\_\_\_\_ cu. yds.

**RESERVOIR INFORMATION:**

Drainage Area \_\_\_\_\_ acres

Storage:

- Top of Dam \_\_\_\_\_ ac-ft
- Auxiliary Spillway \_\_\_\_\_ ac-ft
- Principal Spillway \_\_\_\_\_ ac-ft

Yield \_\_\_\_\_ af/yr

Surface Area \_\_\_\_\_ acres (top of principal spillway)

**SPILLWAY INFORMATION:**

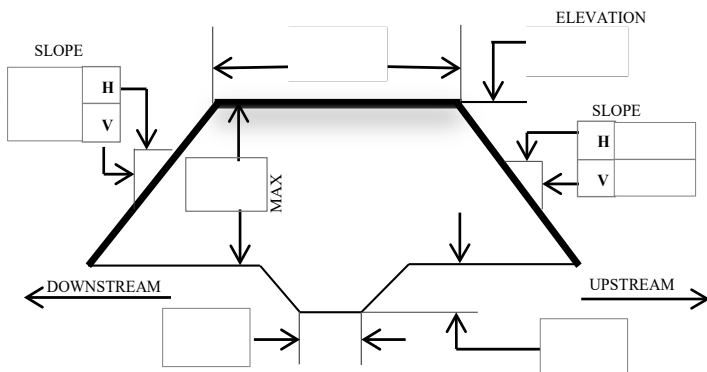
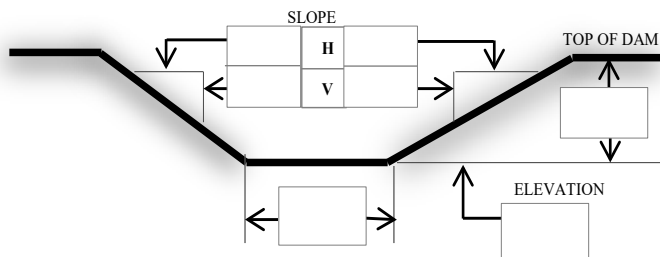
Principal Spillway Type \_\_\_\_\_

Size \_\_\_\_\_ inches Elevation \_\_\_\_\_ feet (msl)

- Length \_\_\_\_\_ feet
- Outlet Control Type \_\_\_\_\_
- Maximum Discharge \_\_\_\_\_ cfs

Valley Floor Pipe Size \_\_\_\_\_ inches

- Valley Floor Elevation \_\_\_\_\_ feet (msl)
- Maximum Discharge \_\_\_\_\_ cfs

**EMBANKMENT Maximum Section (Fill in Data)****AUXILIARY SPILLWAY Control Section (Fill in Data)**

PURPOSE OF STRUCTURE:

☐ Domestic

☐ Flood Control

☐ Hydropower

☐ Stormwater Management

☐ Irrigation

☐ Fish & Wildlife

☐ Navigation

☐ Mine & Industrial Waste

☐ Recharge

☐ Recreation

☐ Municipal & Industrial

☐ Other \_\_\_\_\_

WATER RIGHTS:

Do the owners/applicants plan to use the water for commercial purposes or sell the water? ☐ Yes ☐ No

Have the owners/applicants obtained stream water permit from OWRB? ☐ Yes ☐ No

OTHER PERMITS: (if applicable)

☐ Section 404 (U.S. Army Corps of Engineers)

☐ Floodplain (Local Floodplain Administrator)

☐ NPDES (ODEQ)

Please ensure that all necessary permits have been obtained from those Federal, State, and/or local government agencies from which prior approval is required.

ESTIMATED COST OF PROJECT: \$ \_\_\_\_\_

CONSTRUCTION COMPANY NAME: \_\_\_\_\_

APPLICANT:

Applicant’s Signature \_\_\_\_\_

Date \_\_\_\_\_

Subscribed and Sworn to before me this

day of

Month

Year

\_\_\_\_\_  
*Signature of Notary Public*

My Commission Expires \_\_\_\_\_

ENGINEER:

Engineer’s Name \_\_\_\_\_

Engineer’s Signature \_\_\_\_\_

Date \_\_\_\_\_

Engineer’s Email \_\_\_\_\_

Engineering Firm/ Government Agency \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone: Home \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Business \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ 24-Hour Emergency \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

ADDITIONAL ENLOSURES: (if applicable)

1.

Copies of warranty deeds, leases, easements, and/or letters of consent
2.

The appropriate application review fee
3.

Variance requests
4.

Design plans and specifications
5.

Topographic map of the dam site, including spillway and outlet work locations
6.

Maximum cross-section of the dam
7.

Area and capacity curves for the reservoir
8.

Spillway discharge capacity curves, along with detailed plans for spillway structures and operation procedures
9.

Geotechnical investigations
10.

Hydrologic and hydraulic analysis
11.

Breach analysis
12.

Design formulas and assumptions