

APPLICATION
PERMIT TO CONSTRUCT A DAM and IMPOUND SURFACE WATER

MDEQ - OFFICE OF LAND AND WATER RESOURCES
P.O. BOX 2309
JACKSON, MS 39225
PHONE (601) 961-5061

Shaded boxes for official use only:

FORM OLWR-AD-1 (REV 04/09)

| | | |
|---------------------|------------------|------------------------|
| Application No. | SW Permit No: | Hazard Class: |
| County: | Quad: | Inventory No: |
| Latitude: | Longitude: | Inspection Frequency: |
| Norm. pool elev: | HUC: | STAC Code 07 = cfs |
| Hydraulic Analysis: | Breach Analysis: | Emergency Action Plan: |

If there are any homes, commercial buildings, public utilities, railroad facilities, public roads or other publicly owned assets within two miles downstream of the proposed construction site, applicant must consult with a registered professional engineer or local Natural Resource Conservation Service (NRCS) prior to completing this application. (Not all dams qualify for NRCS assistance). Also, applicant should consult with the U.S. Army Corps of Engineers to see if a 404 permit may be required and with the MDEQ Office of Pollution Control on construction storm water permitting.

This application is for: (Check One)

- Surface water impoundment and construction of a new dam.
- Enlargement, modification, alteration, or repair of an existing dam.
- Surface water impoundment for existing dam
- Removal of an existing dam.
- Renewal

SECTION A: Contact Information

Dam Owner/Land Owner:

Name: _____ Phone No. _____

Address: _____

City: _____ State: _____ Zip Code: _____

Applicant (if different from land owner):

Name: _____ Phone No. _____

Address: _____

City: _____ State: _____ Zip Code: _____

Contact Person (if different from dam owner/applicant):

Name: _____ Phone No. _____

Address: _____

City: _____ State: _____ Zip Code: _____

SECTION B: Location and Surface Water Impoundment Data

Location of dam: (A photocopy of that portion of the appropriate USGS quadrangle map with the location of the dam marked on it must accompany this application.)

Name of the quadrangle map: _____ County: _____

Map Location: _____ ¼ of the _____ ¼ of Section _____, Township _____, Range _____

Name of stream: _____, which drains into _____,
which drains into _____, which drains into _____.

Is the dam located on federally owned property? _____ Yes _____ No

Water surface area:

Storage capability:

At normal pool: _____ acres At normal pool: _____ AF

At emergency spillway: _____ acres At emergency spillway: _____ AF

At top of dam: _____ acres At top of dam: _____ AF

Purpose of proposed impoundment: (Check one or more as applicable)

Recreation _____ Farm Pond _____ Irrigation _____ Flood Control _____
Water Supply _____ Subdivision _____ Sediment Basin _____ Fish & Wildlife _____
Tailings _____ Other (Write In Purpose) _____

Proposed or existing name of impoundment: _____

Proposed construction schedule:

Begin construction (month/year): _____ Finish Construction (month/year): _____

SECTION C: Design Information for Dam

NOTE --Dams classified as high hazard or significant hazard structures, in accordance with state dam safety statute and regulation, must be designed by a professional engineer registered to practice in the state. Dams located on continuously flowing streams must be designed to pass the minimum historic flow, as determined by MDEQ, at all times.

Engineer/design firm selected to design the dam:

Name of engineer: _____ Reg. No. _____

Company Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Length of dam: _____ feet Drainage Area: _____ sq. miles

Structural Height: _____ feet. (Top of dam to bottom of excavation)

Height of Dam: _____ feet. (Top of dam to original streambed)

Hydraulic Height: _____ feet. (Maximum designed water level to the original streambed)

Description of core (type and quantity of material used): _____

Volume of Dam: _____ cubic yards

Principal spillway description (dimensions and material): _____

Principal spillway design discharge: _____ cfs

Emergency spillway description (dimensions and material): _____

Emergency spillway design discharge: _____ cfs

Describe any man-made features within 2 miles below the proposed dam site. (example: houses, businesses, roads, railroads, culverts, bridges, utility lines, pipelines, other dams, and etc.)

If none, indicate the land use (example: forest, cropland, pasture, and etc.) _____

Additional information or data you wish to provide concerning this application or your proposed project: _____

The **ACCOMPANYING MAP** is hereby declared a part of this application.
The **TEN DOLLAR (\$10.00) permit fee** is enclosed herewith.

Dam Owner's Signature: _____ Date: _____

STATE OF MISSISSIPPI
COUNTY OF _____

Subscribed and sworn to before me this the _____ day of _____, _____.

My commission expires: _____.

NOTARY PUBLIC

For design engineers only:

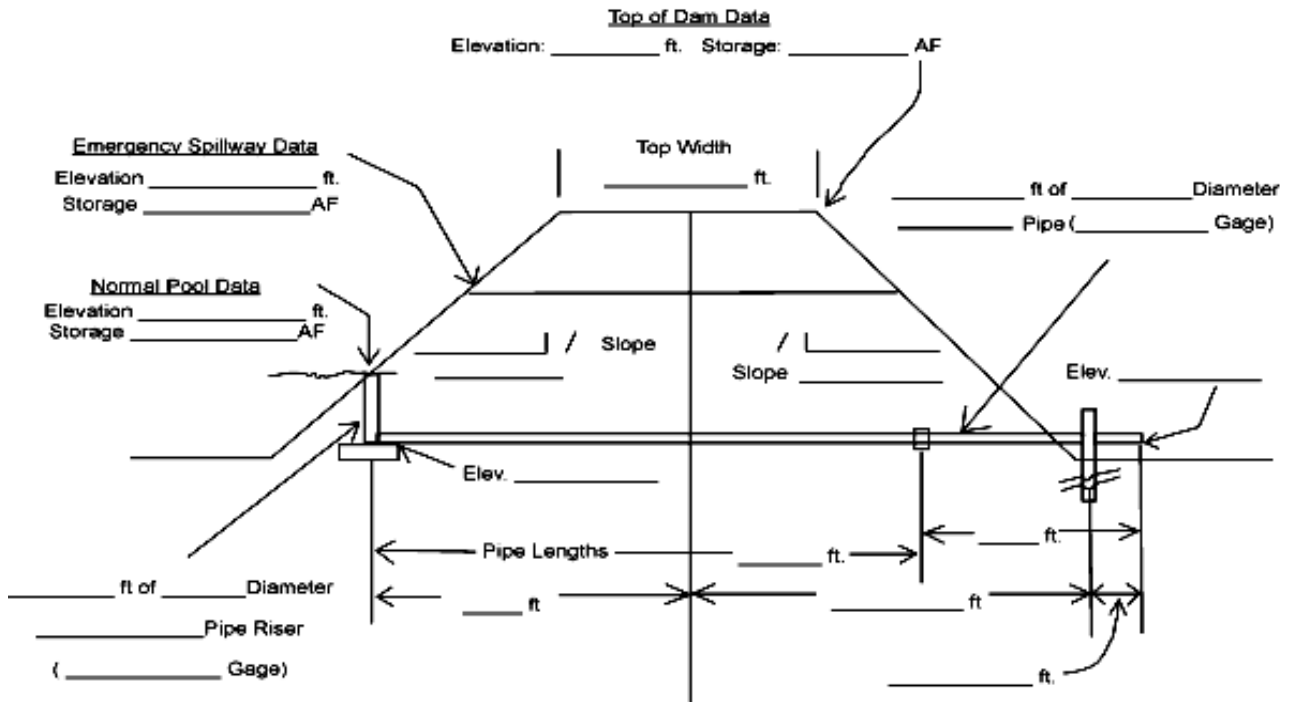
All work products must be signed and sealed.

1. Did you or a member of your staff personally visit the project area to check for the presence of structures such as houses, businesses, roads, railroads, culverts, bridges, utility lines, pipelines, other dams, and etc. within two (2) miles downstream of the proposed dam site?

Circle appropriate response: Yes No

2. Describe the hydrologic and hydraulic parameters and any associated assumptions used in the design of this dam (storm frequency, etc.):

COMPLETE THE FOLLOWING SKETCH



Note: Alter diagram as required to show additions or omissions (such as no riser structure, slide gate added, etc.)

Signature of Engineer _____

Seal