

**GEOLOGIC EVALUATION REQUEST**

LANDOWNER NAME: \_\_\_\_\_ COUNTY: \_\_\_\_\_ DATE: \_\_\_\_\_

SITE LOCATION: \_\_\_\_¼ \_\_\_\_¼ SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RANGE \_\_\_\_\_ QUAD. \_\_\_\_\_

HAZARD CLASSIFICATION: \_\_\_\_\_ ENGINEERING JOB CLASS: \_\_\_\_\_ DRAINAGE AREA \_\_\_\_\_ acres

ESTIMATED HEIGHT: Effective \_\_\_\_\_ ft. Total \_\_\_\_\_ ft. APPROX. POOL AREA: \_\_\_\_\_ acres

EARTHFILL QUANTITY: \_\_\_\_\_ Cu. Yds. APPROX. WATER DEPTH: \_\_\_\_\_ ft; PIPE DIAMETER; \_\_\_\_\_ in.

How much pool fluctuation is allowable? \_\_\_\_\_ Comments on above information: \_\_\_\_\_

**GENERAL DESCRIPTION OF THE SITE**

WHAT INVESTIGATION HAS BEEN MADE OF THE SITE? \_\_\_\_\_  
(please attach logs and/or observations)

SOILS (from soil survey): Ridgetops: \_\_\_\_\_ Abutments: \_\_\_\_\_ Flood Plain: \_\_\_\_\_

ARE ANY OF THE FOLLOWING GEOLOGIC FEATURES PRESENT IN THE STRUCTURE SITE OR POOL AREA?  
(This should include features within 300 feet downstream from the proposed structure)

- Bedrock outcrops (if present describe type): \_\_\_\_\_
- Bedrock springs (if present, describe): \_\_\_\_\_
- Non-bedrock springs (seeps) Comments: \_\_\_\_\_
- Landslides or slips (describe cause if possible): \_\_\_\_\_
- Sinkholes (within 0.5 miles of the site) \*\*\*: Where? \_\_\_\_\_
- Caves (within 0.5 miles of the site) \*\*\*: Where? \_\_\_\_\_
- Mines or Quarries (describe): \_\_\_\_\_
- Wells (describe): \_\_\_\_\_
- Losing Streams (within 1 mile of the site) \*\*\*: Where? \_\_\_\_\_

Note: A backhoe investigation is recommended if any of the above features is present in the site area. A backhoe investigation is highly recommended if any 2 of the above features are present, or if any of the features marked by \*\*\* are present.)

Has a borrow source(s) been located that will supply 1.5 times the amount of fill required? \_\_\_\_\_

What soil classification (USCS) are the borrow materials? CL ; ML ; CH ; GC ; SC ; Other \_\_\_\_\_

**PAST EXPERIENCE**

Please describe past experiences with dams or lagoons in the same area involving similar geologic materials. (Is there any reason to expect problems with the proposed structure: \_\_\_\_\_

**RECOMMENDATIONS**

RECOMMENDED GEOLOGIC INVESTIGATION: \_\_\_\_\_

RECOMMENDED CONSTRUCTION INSPECTION:  None  Core Trench  Principal Spwy.  Other \_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_ Approved by: \_\_\_\_\_ Date: \_\_\_\_\_