



SITE VISIT MEMORANDUM

Name of Dam: Buckeye Lake Dam **File Number:** 9723-004

County: Licking **Date of Visit:** August 15, 2012 **Time:** 2:00 p.m.

Site Conditions: The temperature was about 75 degrees Fahrenheit and sunny. The ground conditions were dry.

Photographs: No digital photos were taken during the site visit.

ODNR Officials: Hal Harper, Area Manager, Division of Parks & Recreation, Mike Jarvis, District Manager, Division of Parks & Recreation, Jason Wesley, Local Manager, Division of Parks & Recreation, Jacob Preston, Project Manager, Division of Engineering, Peter George, Project Manager, Division of Soil & Water Resources.

Others Present: Mike & Connie Lang (Home Owners) 941-350-7335 (cell), John Ricks, RH Homes (Contractor) 614-206-4724

Purpose:

The purpose of this site visit was to meet the home owners and their contractor at 5009 North Bank Road property to discuss proposed changes to the adjoining property at 5015 North Bank Road. The Lang's had purchased the property at 5015 North Bank and wanted to demolish the house and rebuild a structure that attaches to their existing house at 5009 North Bank Road. Mr. Ricks contacted the Division of Parks & Recreation to discuss the proposed building and to discuss any dam safety concerns.

Observations:

This section of Buckeye Lake Dam is located along the North Bank and is approximately 10 feet in height. Along the upstream slope there is a steel sheet-pile wall with a steel cap. The upstream slope in front of residence 5015 North Bank is level and contained short dense grass. A sidewalk was noted along the crest approximately 3 feet in width and extended the entire length of the property.

A property survey pin had been set at the corner of property of 5009 North Bank Road on the crest. Seepage was not observed along the downstream slope between properties 5009 North Bank and 5015 North Bank.

Discussion:

Mr. Ricks noted that the new foundation at 5015 North Bank, may be located adjacent to the existing foundation and a portion of the new structure would cantilever onto the downstream slope towards the crest.

Mr. Jarvis provided a copy of the emergency contacts and other pertinent emergency details to Mr. Ricks. The contacts will help the contractor inform the appropriate responders if there were problems at the dam during construction.

Details about the dam (length, height, and volume) were verbally presented to everyone. Buckeye Lake Dam is a Class I high hazard dam with a large number of residences downstream.

Recommendation:

1. It was recommended to the home owner and contractor to contact a professional geotechnical engineer to determine a foundation design for the new structure being proposed at 5009 North Bank Road.
2. It was recommended to the contractor, that construction of the new structure, if possible should be done, during dry months, to help alleviate any problems with soil compaction and foundation issues.
3. Monitor the downstream slope during demolition of the existing structure and excavation of the new structure for seepage, foundation, and slope issues.
4. Contact the ODNR if a problem occurs during construction that may constitute a dam safety issue.



Peter George, P.E.

Project Manager

Dam Safety Engineering Program

Division of Soil & Water Resources

Date: Aug. 24, 2012