



Mountain Springs Lake Annual Dam Inspection

Environmental Consulting Services

Hanover Engineering provides dam inspection services to Mountain Springs Lake Resort located in the Village of Reeders, Monroe County. Mountain Springs Lake is a residential community consisting of permanent residences and vacation homes surrounding a 436 acre-foot man-made lake, which provides both recreational and aesthetic value to the community.

Due to the lake's size and its proximity to the residential structures located downstream, the lake's dam is classified by the Department of Environmental Protection as a high hazard dam, and therefore must be inspected annually by an experienced professional engineer. The dam inspection consists of a site visit to complete a detailed review of the working components of the valves and outlet structures, as well as a review of the overall condition of the dam to ensure no structural deficiencies have developed that may lead to a failure.

The Mountain Springs Lake dam is located in an area which contains emergent springs just downstream of the dam's embankment. The flow from these springs is monitored regularly since any abnormal increase in flow suggests the presence of seepage through the dam which could be a potential hazard. Therefore, inspecting for signs of seepage along the dam and conduits is another important item required to be reviewed during the annual dam inspection.

PROJECT DETAILS

- **Location**
Jackson Township, Monroe County
- **Client**
Mountain Springs Lake Resort
- **Completion Date**
Annually
- **Total Project Cost**
\$1,200 (engineering services)

