

**PUBLIC NOTICE**  
**Federal Emergency Management Agency**  
**In accordance with 44 CFR §9.8 for Executive Order 11988**  
**Proposed Dam Rehabilitation**  
**Wayne Township, Passaic County, New Jersey**

Notification is hereby given to the public of the intent of the Department of Homeland Security-Federal Emergency Management Agency (DHS-FEMA) to provide federal funding to the New Jersey Office of Emergency Management (NJOEM) as recipient for a proposed dam rehabilitation project in Passaic County through the High Hazard Potential Dam Program (HHPD). The purpose of HHPD is to provide technical, planning, design, and construction assistance in the form of grants for rehabilitation of eligible high hazard potential dams. This notification is given in accordance with Executive Order 11988 (Floodplain Management), 44 CFR Part 9, regulations for implementing EO 11988, and the National Historic Preservation Act.

Lionshead Lake Dam (N40.975000, W74.260000) was one of four dams selected by NJOEM using the FEMA-provided Project Prioritization Spreadsheet and Matrix, which incorporates the population at risk and probability of failure to make a "Risk Improvement" factor. As required by the HHPD NOFO, the dams with the most dam risk reduction were prioritized for funding. The proposed rehabilitation of Lionshead Lake Dam consists of armoring the downstream embankment with grouted riprap, allowing it to serve as an auxiliary spillway and pass additional flows. The existing spillway, CMPA culvert, and headwalls would remain in place. The proposed rehabilitation of the culvert would consist of sealing the possible seepage paths by installing concrete cutoffs below the invert of the CMPA and contact grouting below the invert to fill the voids and then restoring the long-term structural integrity of the CMPA with a centrifugal lining with geopolymer material inside the pipe. Concrete repair would be performed on the spillway steps. There is also a deteriorated storm water pipe within the downstream portion of the dam that would be removed from the dam and redirected.

This action would take place within the 100-year floodplain. Alternatives considered include: 1) no action, and 2) the proposed alternative, which is the dam rehabilitation. FEMA has determined that the proposed project is the most practicable alternative as it would decrease the probability of failure of the dam, thereby reducing the risk to the downstream populations. FEMA has also determined that the investment of funds to improve the dam is in the public interest. Potential floodplain impacts are anticipated to be minor and temporary during construction and minimized through best management practices and conservation measures incorporated from resource agency recommendations and required regulatory permits.

Comments about this project, potential alternatives, and floodplain impacts may be submitted in writing within 15 days of the date of this publication to: U.S. Department of Homeland Security, Federal Emergency Management Agency – Region 2 – Environmental Planning and Historic Preservation, Mitigation Division, One World Trade Center, Suite 53, New York, NY 10007 or via email to [FEMAR2COMMENT@fema.dhs.gov](mailto:FEMAR2COMMENT@fema.dhs.gov). If substantive comments are received, FEMA will evaluate and address the comments as part of the environmental documentation for this project.