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ENVIRONMENTAL INFRASTRUCTURE PROJECT

Borough of Lebanon

Project No. WSA C19030 Round Valley Reservoir Structures Refurbishment and Resource
Total Loan Amount \$70,430,580.00 Preservation Project Earthen Dam Rehabilitation and Ancillary Work

An Equal Employment Opportunity Project

Round Valley Reservoir Structures Refurbishment and Resource Preservation Project, Earthen Dam and Ancillary

Owner: New Jersey Water Supply Authority

Engineer: Schnabel Engineering

Prime Contractor: Thalle Construction Company

NJDEP Hotline Number: 1-877-WARN-DEP

Project Update 1/6/2025

Major work is complete at all Round Valley Reservoir embankments: the North Dam (dam facing Lebanon Borough), the Dike (dam crossed by CR 629), and the South Dam (dam facing Molasses Hill Rd). The Contractor has demobilized for the Winter 2025 season. Minor items may need to be addressed in Spring 2025 after a final walkthrough, which may include turf maintenance, dam instrumentation and monitoring equipment, and warranty work. No significant work is planned for the Winter season.

As part of the rehabilitation project and as a safety measure, the reservoir water surface elevation was lowered in fall 2019 and was kept at or below elevation 360 feet for the duration of the project (25 feet lower than normal pool). In fall 2023, with major earthwork complete at all three embankments, the Authority began a pumping program to refill the reservoir to elevation 385 feet (normal pool). On April 26, 2024, the pumping program ceased for the season. During the pumping program, the pool elevation rose by more than 23 feet, which represents over 17.5 billion gallons. Reservoir releases occurred in the 2024 season and pumping is planned for Spring 2025 to refill the reservoir to full pool. Reservoir elevation data is available here:

<https://www.njwsa.org/raritan-operations-data.html> (click on the operations report link).

This will be the last update for the Round Valley Project.



Completed Dike Embankment Work.



Completed North Dam Embankment Work.



Completed South Dam Embankment Work.