

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Bureau of Flood Protection and Dam Safety  
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Certified Mail – Return Receipt Requested

August 4, 2020

Mr. Sam Oliverio, Supervisor  
Town of Putnam Valley  
265 Ooscawana Lake Road  
Putnam Valley, NY 10579

Re: **Condition Rating: Unsound – Fair**  
Roaring Brook Dam  
DEC Dam ID#: 213-2775  
Town of Putnam Valley, Putnam County  
Class C – High Hazard

Dear Mr. Oliverio:

The Department has received and reviewed the Roaring Brook Dam Engineering Assessment, dated December 26<sup>th</sup>, 2014 signed and stamped by Charles F. Woidt, Jr., NYPE License No. 071778 and the revised Stability Analysis Report, dated January 7, 2019, prepared by GZA, signed by Christopher Adams, NYPE License No. 062313-1. In accordance with DOW TOGS 3.1.4 Guidance for Dam Engineering Assessment Reports, please have the signature page of the Stability Assessment stamped by a PE licensed in New York. The EA cannot be accepted as complete until the stamped and signed cover for the revised Stability Analysis Report is received.

The EA identified deficiencies of the existing dam as summarized below:

- The dam has inadequate spillway capacity for the ½ Probable Maximum Flood (PMF), which is the spillway design storm for a Class C – High Hazard dam. The dam will be overtopped by approximately 1.7 feet for about 16 hours during this storm event.
- The 18-inch low level outlet does not have sufficient capacity to drain 90% of the reservoir within a 14-day period. The outlet valve is also located on the downstream side of the dam, which results in a pressurized pipe through the dam.

I am in agreement with the conclusions and recommended remedial measures provided in the report. Since several years have passed since the original schedule for addressing the deficiencies was established, **please provided an updated schedule to the department within 90 days of receipt of this letter.**



Department of  
Environmental  
Conservation

Based on the findings of the EA a **Condition Rating** of "**Unsound-Fair**" is hereby assigned to the Roaring Brook Dam. This Condition Rating means that the dam expected to perform adequately under normal loading conditions. However, rare or extreme hydrologic loading conditions may result in unacceptable performance. The owner of a dam with a Condition Rating of Unsound is also in violation of 6 NYCRR Part 673 and ECL Article 15 Section 0507.

Please keep in mind that any repair or construction activities related to the dam may require permits from Department. Well before beginning work on the dam, please check with the Regional Permit Administrator at the Department's Region 3 – New Paltz office at (845) 256-3054 to see if any permits are required.

If you have any questions, please feel free to contact me by phone at 518-402-8148, or by e-mail at [jennifer.ross@dec.ny.gov](mailto:jennifer.ross@dec.ny.gov).

Sincerely,



Jennifer Ross  
Assistant Engineer  
Dam Safety Section

cc w/ enc: Berhanu Gonfa, P.E., DEC Region 3, Dam Safety Representative  
Alon Dominitz, P.E., DEC, Dam Safety Section Chief

bcc w/ enc: Project file  
bcc w/o enc: Daybook

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