



COLORADO
Division of Water Resources
Department of Natural Resources
Dam Safety

February 16, 2024

Mr. Dean Snyder
Lookout Mountain Water District
1202 Bergen Pkwy, Ste 200/215
Evergreen, CO 80439
via email: DSnyder6@comcast.net

When replying, please refer to:
UPPER BEAVER BROOK DAM, DAMID 070103
Water Division 1, Water District 7
Construction File No. C-0178C

SUBJECT: Final Acceptance of Construction -Outlet Works Rehabilitation

Dear Mr. Snyder,

Our office performed a final construction inspection of the outlet works rehabilitation project at Upper Beaver Brook Dam on November 29, 2023. Rule 8 of the Rules and Regulations for Dam Safety and Dam Construction (the Rules) requires that your design engineer, GEI, prepare as-constructed plans, a completion report documenting all aspects of construction, and their professional certification stating that the project was completed in accordance with the approved plans and specifications. GEI satisfactorily submitted the required Rule 8 completion documents on February 9, 2023.

This project involved slip-lining the outlet works conduit with an 18-inch HDPE liner, grouting it in place, installation of a new 12-inch stainless steel bonneted knife gate valve, installation of a new trash rack structure, and installation of a new outlet gate house for the new hydraulic power unit including a SCADA system. Based on observations during construction inspections, oversight and certification by your engineer, and our review of the construction completion documents, we believe the project has been satisfactorily completed in general accordance with the approved plans and specifications. The improvements are therefore approved for full use when water is physically and legally available.

However, please note that due to a variety of factors, a final internal camera inspection of the outlet pipe has not been completed as formal documentation of project. We understand the contractor will return in the Spring of 2024 to complete this and provide a copy of the camera inspection to the Owner and our office for formal records.

The structure has a dam height of 88 feet and crest length of 520 feet. The reservoir created by the dam covers approximately 16 acres and has full storage capacity of 397 acre-feet at the emergency spillway crest elevation. This project did not change the physical dimensions of the dam or reservoir.

The State Engineer, by providing this construction acceptance does not assume responsibility for any unsafe condition of the subject dam. The sole responsibility for the safety of this dam rests with the reservoir owner and operator, who should take every step necessary to prevent damages caused by leakage or overflow of waters from the reservoir or floods resulting from a



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failure of the dam. Therefore, it is in the owner's best interest to operate and maintain the facility in a manner such that the safety of the dam and the general public are not jeopardized.

We are enclosing a copy of Rules 11 and 13 of the Rules for your reference and use. These rules pertain to general maintenance items and the owner's responsibilities, respectively.

We would like to recognize the efforts of the Lookout Mountain Water District, GEI, and MDS, and all other parties who worked to complete this dam construction project. Thanks to all for minding the safety of those who live below this dam and the resiliency of those served by it.

If you have any questions, please contact me at 719-258-0859 or Dam Safety Engineer Jim Kirch at 614-975-2623.

Sincerely,



John Hunyadi, PE
Chief, Dam Safety Program

Enc. Copy of Rules 11 and 13 of the "Rules and Regulations for Dam Safety and Dam Construction"

ec: Corey DeAngelis, Division Engineer, Water Division 1
Michael Williams, WD 7 Water Commissioner
Jim Kirch, Dam Safety Engineer
Jeremy Franz, Lead Design Review Engineer
Chad Masching, GEI - CMasching@geiconsultants.com