



COLORADO
Division of Water Resources
Department of Natural Resources

April 6, 2021

SUSAN A. RAINEY
DEERE & AULT CONSULTANTS, INC.
600 S. AIRPORT ROAD, SUITE A-205
LONGMONT, CO 80503
TRANSMISSION VIA EMAIL: susan.rainey@deereault.com

**RE: COMPACTED CLAY LINER APPROVAL
HOME OFFICE PHASE I RESERVOIR (A PORTION OF NORTH SHORES RESERVOIR) (WDID 0303350)
HOME OFFICE GRAVEL PIT, DRMS M-1977-439
SE ¼ OF THE NW ¼ AND THE N ½ OF THE NE ¼ OF THE SW ¼ OF SECTION 34, TOWNSHIP 8
NORTH, RANGE 69 WEST OF THE 6TH P.M.
WATER DIVISION 1, WATER DISTRICT 3, LARIMER COUNTY**

Dear Ms. Rainey:

The purpose of this letter is to approve the lining of the Home Office Phase I Reservoir (Reservoir) which represent a portion of the North Shores Reservoir decreed by the Division 1 Water Court in Case No. 92CW157, with diligence approved in Case Nos. 03CW192, 10CW196 and 17CW3099. The Reservoir is primarily located in the SE ¼ of the NW ¼ and the N ½ of the NE ¼ of the SW ¼ of Section 34, Township 8 North, Range 69 West of the 6th P.M., and was mined under the Home Office Gravel Pit (DRMS M-1977-439) (WDID 0303005). The Reservoir was lined with a compacted clay liner. This compacted clay liner leak test commenced on October 7, 2020 and concluded on January 7, 2021. Site inspection was performed by our office on February 23, 2021 to review site conditions and discuss the leak test results.

Your report dated March 11, 2021 provides the liner summary and leak test results. The test data provided indicates that **the reservoir has been lined to the design standard** referenced in the August 1999 State Engineer Guidelines for Lining Criteria for Gravel Pits (1999 SEO Guidelines). **Meeting the design standard requires that during reservoir operations all water inflows and outflows for the liner perimeter enclosed area be accounted for on a monthly basis.**

With this liner approval, the Home Office Phase I Reservoir is now classified as a lined reservoir in accordance with the 1999 SEO Guidelines. Water shall not be impounded in the reservoir except pursuant to lawful diversions allowed by statute or decree. At all other times, all inflow of water into the reservoir from any source, including precipitation and ground water inflows shall be removed to prevent illegal storage of water. Prior to ANY use of this site, the owner or operator will need to coordinate with Scott Edgar, Water Commissioner District 3, to review operations, measurement structures, stage-storage curves, and accounting.

Please contact me at 303-866-3581 x8246 if you have any questions.

Sincerely,

Ioana Comaniciu, P.E.
Water Resource Engineer

Ec: Mark Simpson, District 3 Water Commissioner (Mark.Simpson@state.co.us)
Louis Flink, Diversion Records Coordinator (Louis.Flink@state.co.us)
WDID File (0303005 & 0303350)

