



COLORADO
Division of Water Resources
Department of Natural Resources

John W. Hickenlooper
Governor

Robert Randall
Executive Director

Kevin G. Rein, P.E.
Director/State Engineer

November 28, 2017

DEREK FOSTER
DEERE & AULT CONSULTANTS, INC.
600 S. AIRPORT ROAD, BUILDING A, SUITE 205
LONGMONT, CO 80503
TRANSMISSION VIA EMAIL: Derek.Foster@deereault.com

RE: SLURRY WALL LINER APPROVAL
LUPTON LAKES NORTH CELL (WDID 0203945)
LUPTON LAKES PIT (AKA RIVERBEND EAST), DRMS M-2004-078 (WDID 0203041)
SE1/4 OF SECTION 18, T1N, R66W
WATER DIVISION 1, WATER DISTRICT 2

Dear Mr. Foster:


The purpose of this letter is to approve the lining of the Lupton Lakes North Cell Reservoir (North Cell Reservoir). The North Cell Reservoir is primarily located in the SE1/4 Section 18, Township 1 North, Range 66 West of the 6th P.M., and is part of the Lupton Lakes (aka Riverbend East) gravel pit, Division of Reclamation Mining and Safety Permit No. M-2004-078. The North Cell Reservoir was lined with a soil bentonite slurry wall. The slurry wall leak test commenced July 24, 2017 and concluded on October 23, 2017. Site inspection was performed by our office on September 19, 2017 to review site conditions and discuss the leak test plan.

Your report dated November 6, 2017 provides the liner summary and leak test result. 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 Lupton Lakes North Cell 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 Jorge Vidal, District 2 Water Commissioner, to review operations, measurement structures, stage-storage curves, and accounting.

Please contact me at the number below if you have any questions.

Sincerely,


Ioana Comaniciu, P.E.
Water Resource Engineer

ec: Jorge Vidal, District 2 Water Commissioner (Jorge.Vidal@state.co.us)
Louis Flink, Diversion Records Coordinator (Louis.Flink@state.co.us)
Almond Mark, Denver Water Department (Mark.Almond@denverwater.org)
WDID File (0203945 & 0203041)

