

PLATTE S&H
Annual Report Supplemental
Year 2023

17. Slurry wall provisional approval for Cell C2 is attached. Slurry wall installation for Cell D1 is complete. Results from leak test were submitted to SEO on July 20, 2023.



COLORADO
Division of Water Resources
Department of Natural Resources

December 9, 2020

Gary Linden, P.G.
Civil Resources, LLC
323 Fifth Street
P.O. Box 680
Frederick, CO 80530
Transmission via email: gary@civilresources.com

**RE: SLURRY WALL LINER APPROVAL (PROVISIONAL)
MILLIKEN RESERVOIR C-2 (WDID 0203388)
S & H GRAVEL MINE, DRMS M-2000-158 (WDID 0203036)
S1/2 OF SECTION 26 AND N1/2 OF SECTION 35, T4N, R67W
WATER DIVISION 1, WATER DISTRICT 2, WELD COUNTY**

Dear Mr. Linden:

The purpose of this letter is to provisionally approve the lining of the Milliken Reservoir C-2 ("C-2 Reservoir"). C-2 Reservoir is primarily located in the S1/2 of Section 26 and the N1/2 of Section 35, all in Township 4 North, Range 67 West of the 6th P.M., and is part of the S & H Gravel Mine (DRMS M-2000-158). C-2 Reservoir was lined with a soil bentonite slurry wall. Mining has not commenced within the liner boundary. The slurry wall liner leak test commenced on June 16, 2020 and concluded on November 17, 2020. A site inspection was performed by our office on August 5, 2020 to review site conditions and the leak test plan.

Your report dated November 19, 2020 provides the liner summary and leak test results. The test data provided indicates that **liner meets the performance standard** referenced in the August 1999 State Engineer Guidelines for Lining Criteria for Gravel Pits (1999 SEO Guidelines). **Meeting the performance standard requires that during reservoir (pond) operations all water inflows and outflows for the liner perimeter enclosed area be accounted for on a weekly basis.**

This liner approval is applicable only during mining operations at the site and does not classify the structure as a reservoir capable of water storage. However, for the remainder of mining operations, water within the liner boundary is now classified as trapped native ground water. The trapped native ground water may be removed from within the lined area and returned to the stream system through surface flow or ground water recharge without the need for replacement so long as the operator does not put the water to beneficial use. All native trapped ground water remaining that is put to beneficial use (except for the water removed in product) must be replaced by the operator. All inflow of water into the liner boundary from any source, including precipitation and ground water inflows shall be removed by the pit operator so as not to cause out-of-priority storage. **In order for the liner to be approved for water storage the operator must perform a final leak test once mining is complete and the site is at final grade.** The final leak test will be allowed to have a modified duration of 45 to 60 days as long as the liner continues to satisfactorily operate during mining operations.

Please contact me at 303-866-3581 x8246 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)
WDID File (0203388 & 0203036)

