



COLORADO
Division of Water Resources
Department of Natural Resources

1313 Sherman Street, Room 821
Denver, CO 80203

January 17, 2017

TODD WILLIAMS, P.E.
WILLIAMS AND WEIS CONSULTING, LLC
5255 RONALD REAGAN BLVD.
JOHNSTOWN, CO 80534
TRANSMISSION VIA EMAIL: tlwwater@msn.com

RE: COMPACTED CLAY LINER APPROVAL (AMENDMENT)
KAUFFMAN RESERVOIR (EAST RESERVOIR) (WDID 0403385)
WAGNER-KAUFFMAN NO. 3 PIT, DRMS NO. M-1999-069 (WDID 0403008)
NE1/4 SECTION 20 AND NW1/4 SECTION 21, T5N, R68W
WATER DIVISION 1, WATER DISTRICT 4

Dear Mr. Williams:

The purpose of this letter is to amend the liner approval for the Kauffman Reservoir (East Reservoir) that was originally issued on January 4, 2017. The East Reservoir is primarily located in the E1/2 of the NE1/4 of Section 20 and the W1/2 of the NW1/4 of Section 21, all in Township 5 North, Range 68 West of the 6th P.M., and is part of the Wagner-Kauffman No. 3 gravel pit (DRMS M-1999-069). As indicated in the January 4, 2017 letter the liner of the reservoir was approved, as meeting the performance standard.

According to the information provided via email on January 5, 2017 the perimeter and area of the bottom of the reservoir used to determine the maximum allowable seepage in the liner report prepared by Daniel Giroux of Tarramax, Inc. dated December 8, 2016, was based on the design of the reservoir rather than the actual perimeter and area of the bottom of the reservoir as constructed in the field. The new test data provided using the actual perimeter and area of the bottom of the reservoir from September 2016 site survey, indicates that **the reservoir has in fact 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 (amendment), the Kauffman Reservoir (East Reservoir) of the Wagner-Kauffman No. 3 Pit 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 Jean Lever, District 4 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: Jean Lever, District 4 Water Commissioner (Jean.Lever@state.co.us)
Louis Flink, Diversion Records Coordinator (Louis.Flink@state.co.us)
WDID File (0403385 & 0403008)
Daniel Giroux, Tarramax, Inc. and Jake Kauffman & Son, Inc.

