



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

August 30, 2017

Mrs. Christie Coleman, P.E.
City of Greeley
1100 10th Street, Suite 300
Greeley, CO 80631

**Re: City of Greeley; 25th Avenue Site; File No. M-2002-020
Technical Revision No. 1 (TR-01) Adequacy Review**

Mrs. Coleman,

The Division of Reclamation, Mining and Safety (Division/DRMS) has reviewed the content of technical revision (TR-01) for the 25th Avenue Site submitted on August 14, 2017 and submits the following comments. The Division is required to make an approval or denial decision no later than September 13, 2017 therefore; a response to the following adequacy review concerns should be submitted to the Division as soon as possible.

1. The Operator states parameters associated with flooding that lead to erosion (shear stress and velocity) were analyzed for a variety of design storms (2-year through 100-year) and an optimal spillway design was determined. Please provide the Division with a copy of the hydraulic analyses used to design the proposed spillway for review.
2. The Operator states to confirm the stability of the design a worst-case scenario was determined to analyze the stability of the structure versus extreme velocities and shear stress. Please provide the Division with a copy of the worst-case scenario hydraulic analyses used to design the proposed spillway for review.
3. The Operator states the proposed grouted riprap design meets the stability criteria as determined by the Natural Resources Conservation Service and Colorado Water Conservation Board. The Division typically requires Operators to comply with the design criteria from the Urban Drainage and Flood Control District. Please provide the Division with the design criteria for the Natural Resources Conservation Service and Colorado Water Conservation Board for review. Please demonstrate how the proposed spillway design is designed in accordance with the Urban Drainage and Flood Control District criteria.



Please be advised the technical revision for the 25th Avenue Site may be deemed inadequate, and the revision may be denied on September 13, 2017, unless the above mentioned adequacy review items are addressed to the satisfaction of the Division.

If you have any questions, please contact me at peter.hays@state.co.us or (303) 866-3567 Ext. 8124.

Sincerely,



Peter S. Hays
Environmental Protection Specialist

Ec: Wally Erickson; DRMS