



October 12, 2017

Mr. Peter Hays
Environmental Protection Specialist II
State of Colorado
Division of Reclamation, Mining, & Safety
1313 Sherman Street – Room 215
Denver, CO 80203

RECEIVED

OCT 19 2017

WELD COUNTY
COMMISSIONERS

RE: Northern Colorado Constructors, Inc. – Bennett Pit – File No. M-2016-085
112c Permit Application, Third Adequacy Review Response

Dear Mr. Hays,

Northern Colorado Constructors, Inc. has received the Division's adequacy review comments letter dated September 19, 2017. Below are the comments and the corresponding responses that have been provided to address the comments.

Floodplain Study Comments

1. Page 1, 3rd & 4th paragraph – The text states the topography was obtained using LIDAR and that no existing model was available for this section of the South Platte River. Please provide some discussion on if the LIDAR was able to obtain topography under the water surface in the river at the time it was flown and if not, how was the model adjusted to compensate.

Response: *The LIDAR topography only extends to the top of water surface of the river. Ground survey was done to verify the river invert adjacent to the site relative to the water surface. It was found that the invert was 4 feet below the top of water found in the LIDAR topography. The river invert in the cross sections in the model was modified lower by 4 feet to accurately model the river invert.*

2. Page 1, last paragraph & Page 2 – The text indicates a model was done for existing topography and for future conditions. The Division interprets the future conditions to reflect post reclamation conditions. Please explain why a model was not done for a worst case scenario during operations. This should include maximum expected footprints for topsoil, overburden and product stockpiles, as well as proposed onsite structures such as scales, scale house, offices, etc.

Response: *A mining conditions model has been added to the study. Blockouts were added to sections 5, 5.1, and 6 to simulate the stockpiles and scale house during mining conditions. Note that the scale house is located outside the floodplain. The pit areas were assumed to be partially mined, i.e. overburden/topsoil had been stripped and stockpiled and a volume of sand and gravel had been removed equal to the stockpile volumes in the processing area. Additional cross-sections HECXS4.1, HECXS5.1, HECXS6.1, and HECXS7.1*





M-2016-085 Bennet Pit 3rd Adequacy Review Response Proof of Filing with Weld County Clerk

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To: Peter Hays <Peter.Hays@state.co.us>
Cc: "J. C. York" <jcyork@j-tconsulting.com>

Thu, Oct 19, 2017 at 3:58 PM

Peter,

Here is a pdf of the proof of filing at the Weld County Clerk of the Third Adequacy Review Response for the Bennett Pit, DRMS File No. M-2016-085. We will send the hard copy to you as well.

Thanks,

Todd Yee

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