



STATE OF
COLORADO

Cazier - DNR, Tim <tim.cazier@state.co.us>

Daniels Sand Pit 2, Permit No. M-1973-007-SG: Monthly Monitoring Report

1 message

Jeremy PRITCHETT <jeremy.pritchett@holcim.com>

Thu, Apr 14, 2022 at 11:20 AM

To: "Cazier - DNR, Tim" <tim.cazier@state.co.us>

Cc: Neil Whitmer <neil.whitmer@holcim.com>, Grant SMITH <Grant.Smith@transitmix.com>

Hi Tim,

Attached is the Daniels Pit 2 monthly slope stability monitoring report for April, 2022. Please note that due to the recent windstorms, a tree fell (from the FMIC property) on the stockpiled material and partially on the buttress slope, presenting safety hazards and access to the work area of final lift placement. Fountain Mutual Irrigation Company removed some of the fallen branches away from the ditch and is currently tending to the remainder. I will keep you posted.

Regards,

--

Jeremy Pritchett | Environmental and Land Manager

Holcim | Aggregate Industries

Address: [1687 Cole Blvd., Suite 300 Golden, CO 80401](#)

Office & Mobile: (970) 396-5252

Email: Jeremy.Pritchett@holcim.com



Daniels Sand Pit 2 - April 2022 Observation .pdf

4900K



April 12, 2022
Project No.: 19125

2750 S. Wadsworth Blvd, Suite D-200
Lakewood, Colorado 80227
303.625.9502
www.LithosEng.com

Aggregate Industries – WCR, Inc
1687 Cole Boulevard, Suite 300
Golden, CO 80401

Attention: Jeremy Pritchett
Environmental and Land Manager

Regarding: Daniels Sand Pit 2, Permit No. M-1973-007-SG
Slope Stability Monthly Monitoring Report

Mr. Pritchett,

Lithos Engineering (Lithos) has been retained by Aggregate Industries to implement a slope stability monitoring plan for the Fountain Mutual Ditch within Daniels Sand Pit 2. Monthly monitoring will occur for the first year after construction completion. Lithos Engineering (Lithos) visited the site on April 7, 2022. The ditch and the condition of the buttress slope are stable. Site notes and photographs are presented below:

- Weather: 29-55°, sunny with gusty winds, winds 20-30 mph
- Visual observation of the Fountain Mutual Ditch:
 - No tension cracks
 - No toe erosion that was visible
 - No water flowing in the ditch
 - No sloughed slope surfaces
 - Several broken branches near crest
 - The condition of the ditch is stable



Photo 1. Fountain Mutual Ditch looking east with butterslope



Photo 2. Fountain Mutual Ditch looking west



Photo 3. Fountain Mutual Ditch looking north



Photo 4. Fountain Mutual Ditch invert with branches

- Construction sequence
 - At this time, the buttress slope varies from 3H:1V to 4H:1V
 - Approximately 50 LF from the east needs to be placed for the final lift
 - Due to a recent wind storm, a tree has fallen on the stockpile material and part of the buttress on the eastern end (top of embankment)
 - Approximately 40 LF needs to be regraded near the fallen tree



Photo 5. Butterslope, access road and ditch (looking west)



Photo 6. Buttress slope looking east from crest



Photo 7. Buttress slope looking east from toe (note fallen tree)



Photo 8. Buttress slope looking south



Photo 9. Buttress slope looking north



Photo 10. Buttress slope looking east, fallen tree within stockpiled material and buttress slope



Photo 11. Fallen tree on stockpiled material for final lift and blocking access road

If you have any questions regarding the contents of this report, please contact Aggregate Industries or Lithos Engineering.

Sincerely,

Lithos Engineering



Steve Kuehr, PE
Senior Consultant

Sarah Myers, EIT
Project Engineer