

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

Mon, Nov 15, 2021 at 3:07 PM

Hi Tim,

Attached is the Daniels Pit 2 monthly slope stability monitoring report for November, 2021. Site personnel still need to complete the final lift, but equipment has been temporarily tied up at the north side of the pit. Otherwise, sand is stockpiled along the crest and ready to go.

Please let me know if you have any questions.

Thanks,

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Jeremy Pritchett | Environmental and Land Manager
LafargeHolcim | Aggregate Industries
Address: [1687 Cole Blvd., Suite 300 Golden, CO 80401](#)
Office & Mobile: (970) 396-5252
Email: Jeremy.Pritchett@lafargeholcim.com

**Daniels Sand Pit 2 - November 2021 Observation .pdf**
3041K



November 12, 2021

Project No.: 19125

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

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

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 November 9, 2021. Site notes and photographs are presented below:

- Weather: 42-56°, partially cloudy, wind 10-15 mph
- Visual observation of the Fountain Mutual Ditch:
 - No tension cracks
 - No toe erosion
 - No moisture changes, ditch is dry
 - No sloughed slope surfaces



Photo 1. Fountain Mutual Ditch looking west



Photo 2. Fountain Mutual Ditch looking east



Photo 3. Fountain Mutual Ditch looking north



Photo 4. Fountain Mutual Ditch invert

- Construction sequence
 - At this time, the buttress slope varies from 3H:1V to 4H:1V
 - Preparation for final lift
 - Stockpiled sand located at crest of embankment for the whole length



Photo 5. Stockpiled sand for final lift, access road and ditch (looking east)



Photo 6. Buttress slope

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