

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>

Mon, Feb 14, 2022 at 10:30 AM

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

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

Hi Tim,

Attached is the Daniels Pit 2 monthly slope stability monitoring report for February, 2022. Please let me know if you have any questions or concerns. They're making some progress with the final lift.

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 - Feb 2022 Observation.pdf**

3830K



February 9, 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 February 9, 2022. The ditch and the condition of the buttress slope are stable. Site notes and photographs are presented below:

- Weather: 27-45°, partly cloudy, winds 10-15 mph, some snow cover
- Discussion with ditch company at 10:20 am, they were onsite to investigate a car that accidentally drove into the ditch downstream. They stated the ditch “looked good”
- Visual observation of the Fountain Mutual Ditch:
 - No tension cracks
 - No toe erosion that was visible due to the presence of water
 - Water flowing, approximately 3-4 feet deep
 - No sloughed slope surfaces
 - Several broken branches near crest
 - The condition of the ditch is stable



Photo 1. Fountain Mutual Ditch looking west with buttress slope



Photo 2. Fountain Mutual Ditch looking east



Photo 3. Fountain Mutual Ditch looking north (note change in water level on bank)



Photo 4. Fountain Mutual Ditch invert with water

- CAT D8T dozer was currently being serviced
- Construction sequence
 - At this time, the buttress slope varies from 3H:1V to 4H:1V
 - Approximately 100 LF (from the west) has been placed for the final lift, slope is approximately 3H:1V
 - Stockpiled sand located at the crest of the embankment for the remainder of the length in preparation for the final lift, some snow cover on the stockpiles



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



Photo 6. Buttress slope looking east



Photo 7. Buttress slope looking northeast



Photo 8. Buttress slope looking north



Photo 9. Buttress slope looking south

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