

November 28, 2018

Colorado Division of Reclamation, Mining and Safety Attn: Mr. Tim Cazier 1313 Sherman St, Rm. 215 Denver, Colorado 80203

## RE: 11-16-2018 Technical Revision Response File No. M2006-017 Jemadojin Sand Mine

Dear Mr. Cazier:

On behalf of Hourglass Sands, LLC, we are hereby submitting responses to the adequacy letter for the technical revision dated November 16, 2018.

The answers to the responses are as follows:

- 1) <u>Figures/Maps:</u> From this point forward, all maps will be numbered with a date or revision number to accurately track the evolution as the permit progresses. A north arrow and scale will be placed on each map. A new backfill plan has been included with a north arrow and scale.
- 2) <u>Commitments:</u> Per our conversation on or about 11/02/2018, it was agreed that Hourglass will not commit to haul back of waste sand to the operation. It was discussed that the upcoming amendment will address backfilling of sand in the pit. The quantities needed for backfill are not required at this time. An updated reclamation plan has been included to show the progressive mining and backfill plan. As shown, the North, East and South highwalls will be progressively mined and reclaimed at a minimum 3:1 slope. The initial West wall will be mined at the angle of repose (1.7:1). Once mining has progressed and the pit opened to give enough room for mining the wall will be pushed in and reclaimed at a minimum of 3:1 slope.
- 3) <u>Reclamation Cost Estimate</u>: Per our conversation on 11/28/2018, the reclamation bond will be reduced to exclude backfilling and only include final grade pushing on the west wall of the pit.



Should you have any further questions or comments feel free to contact me by phone at (812) 299-2800 ext. 217 or by email: <u>ismcguire@hourglasssands.com</u>.

Sincerely,

J. Sant Medin

J. Scott McGuire Director of Engineering

cc: Brent Bilsland, Hourglass Sands; Larry Martin, Hourglass Sands

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•1183 East Canvasback Drive, Terre Haute, IN 47802•





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

## **Response letter**

1 message

Scott McGuire <jsmcguire@hourglasssands.com> To: "Tim Cazier (tim.cazier@state.co.us)" <tim.cazier@state.co.us> Cc: Bruce Humphries <hlhumphries2@comcast.net> Wed, Nov 28, 2018 at 1:16 PM

Tim and Bruce:

Attached is the response letter and final reclamation map. If there are text in the original permit to change to match the map, please email Bruce and let him change it. Just keep me in the loop on the emails.

Thanks,

Scott McGuire, PE

Director of Engineering | Hourglass Sands, LLC

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2 attachments

11-28-18 Response Letter.pdf 451K

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