


**COLORADO**Division of Reclamation,  
Mining and Safety

Department of Natural Resources

**MINERALS PROGRAM INSPECTION REPORT****PHONE: (303) 866-3567**

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

<b>MINE NAME:</b> Priola Pit	<b>MINE/PROSPECTING ID#:</b> M-2007-087	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Adams
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Jared L. Ebert	<b>INSP. DATE:</b> July 17, 2019	<b>INSP. TIME:</b> 08:30
<b>OPERATOR:</b> Albert Frei & Sons Inc.	<b>OPERATOR REPRESENTATIVE:</b> Ben Frei	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	

<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$34,000.00
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> County	<b>JOINT INSP. AGENCY:</b> County
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> August 1, 2019

**The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.**

**INSPECTION TOPIC:** Backfilling & Grading

**PROBLEM:** The current reclamation plan needs to be updated and clarified to account for the excavation of the two basins within the affected area. Pursuant to C.R.S. 34-32.5-116(1). The operator must follow the approved reclamation plan or provide sufficient information to describe or identify how the operator intends to conduct reclamation.

**CORRECTIVE ACTIONS:** The operator shall submit a Technical Revision, with the required \$216 revision fee, to update and clarify the current approved reclamation plan to account for the construction of the two basins discussed in the report by the corrective action date.

**CORRECTIVE ACTION DUE DATE:** 10/01/19

## **OBSERVATIONS**

This was a monitoring inspection of the Priola Pit, Division of Reclamation, Mining and Safety (DRMS or Division) permit number M-2007-087 operated by Albert Frei and Sons, Inc. (AFS). I, Jared Ebert with DRMS conducted the inspection. Ms. Katie Keefe and Mr. Miles Buescher with Adams County, as well as Mr. Ben Frei with AFS accompanied me during the inspection. Mr. Steve O'Brian with Environment, Inc. also attended the inspection. On April 18, 2019 the Division conducted an inspection of the Priola Pit and cited the following problem:

**INSPECTION TOPIC:** Reclamation Success

**PROBLEM:** The Operator was required to have completed all of the reclamation steps by April 20, 2019 in accordance with the approval of Technical Revision No. 1. Reclamation has not been completed within the required timeframe. This is a problem at this time for failure to complete reclamation with all reasonable diligence within five (5) years or as extended by the Board or Office pursuant to Rule 3.1.3 and C.R.S. 34-32.5-116(4)(q)(I).

**CORRECTIVE ACTIONS:** The Operator shall complete the remaining backfilling, grading, topsoiling and seeding as approved in the reclamation plan by the corrective action date. The Operator shall provide notification and documentation these activities have been completed by the corrective action date.

**CORRECTIVE ACTION DUE DATE:** 6/24/19

On June 27, 2019 the Division sent AFS a letter notifying them of the corrective action that was then overdue. DRMS extended the corrective action due date to July 12, 2019. On July 1, 2019 the Division received correspondence from AFS indicating reclamation of the site was underway and that they expected the site to be seeded on July 15, 2019. This was a follow-up inspection to evaluate the progress of reclamation at the site.

### **Backfilling and Grading:**

At the time of the inspection an excavator was digging a storm water basin near the entrance of the site at the south corner. A loader was completing some additional grading at the site. The top of the backfilled area was graded relatively level and the side slopes of the fill area have been graded to a 3H:1V ratio or less. A portion of the site has been zoned for industrial use located in the northeast corner of the permit area. A map depicting this area is enclosed with this report. Within the area zoned for industrial use, a small basin has been excavated. According to Mr. Frei, this area has been excavated to accommodate the landowner's continued use of the site for backfilling of offsite material as was discussed in Technical Revision No. 2 (TR02). It appears topsoil has been spread over the affected land.

The two small basins excavated at the site are not currently approved in the reclamation plan. AFS will need to file a technical revision to the reclamation plan to revise the post mine topography of the site to include these features.

During the inspection, some non-inert debris such a plastic tubing and wood was within the new pit basin constructed in the industrial use area. The Division requested AFS remove this material from the site as it does not meet the definition of inert material in accordance with Rule 1.1(20). Mr. Frei subsequently removed this material and sent photographic documentation to this effect to the Division on the afternoon of July 17, 2019.

Reclamation Success:

As of the writing of this report, it appears all of the steps to complete reclamation at the site has occurred. On July 17, 2019, Mr. Frei sent photographs of the completed slopes for the northeast pit basin. On July 31, 2019 Mr. Frei sent the Division correspondence indicating seeding has been completed and included photographic documentation that mulch was spread throughout the reclaimed affected land. Given this, the Division will consider the problems cited in the April 18, 2019 inspection report abated at this time.

Revegetation:

According to Mr. Frei's July 31, 2019 correspondence, the site has been seeded.

Topsoil:

The topsoil stockpiles appear to have been depleted and spread over the affected land.

## PHOTOGRAPHS



Figure 1. Storm water basin construction, near south corner of the site.



Figure 2. Reclamation equipment staged at the site.





Figure 3. From the south end of the site looking north.



Figure 4. Reggraded southern fill slopes.



Figure 5. Regraded northern pit slopes.



Figure 6. From the northern end of the site looking south.





**Figure 7. Pit basin located in north east portion of the site in the Industrial zoned area.**



**Figure 8. Landowner's fill within northeast basin.**

### GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>NA</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>PB</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>NA</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>NA</u>
(AT) ACID OR TOXIC MATERIALS----- <u>Y</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

#### Inspection Contact Address

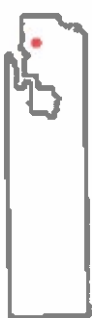
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Enclosure

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# Adams County Map



## Legend

- Highways
- Highways (3,000 - 5,000)
- Interstate
- Highway
- Tollway
- Streets (2,000 - 10,000)
- Streets
- Ramp
- Zoning
- Municipality
- A-1
- A-2
- A-3
- AV
- C-0
- C-1
- C-2
- C-3
- C-4
- C-5
- CO
- DIA
- I-1
- I-2
- I-3
- M-H

## Notes

0.1  
0  
0.06  
0.1 Miles

NAD\_1983\_StatePlane\_Colorado\_Central\_FIPS\_0502\_Feet  
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THIS MAP IS NOT TO BE USED FOR NAVIGATION

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