



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.

MINE NAME: J&J Stone Pit #1	MINE/PROSPECTING ID#: M-2011-004	MINERAL: Sandstone (silica, stone, quartzite)	COUNTY: Fremont
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy Cazier, P.E.	INSP. DATE: June 16, 2021	INSP. TIME: 08:00
OPERATOR: KrauthCo Inc	OPERATOR REPRESENTATIVE: Mike Krauth	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: No Bond Held	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: January 21, 2022	

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: Off-site Damage

PROBLEM/POSSIBLE VIOLATION: Problem: An area of about an acre (MSHA safety berm and material stockpile) has been affected outside of the approved affected area boundary. This is a possible violation if not addressed in a timely manner. Pursuant to: 1.) C.R.S. 34-32.5-109(1) for failure to first obtain from the board or office a reclamation permit prior to engaging in a new operation. AND/OR 2.) C.R.S. 34-32.5-116(4)(i) for failure to protect areas outside of the affected land from slides or damages occurring during the mining operation. 2.) C.R.S. 34-32.5-116(4)(i) for failure to protect areas outside of the affected land from slides or damages occurring during the mining operation.

CORRECTIVE ACTIONS: This problem may result in a possible violation if an amendment application to incorporate this affected area into the permit is not submitted by the corrective action due date. Failure to submit the amendment will require a hearing before the Mined Land Reclamation Board.

CORRECTIVE ACTION DUE DATE: 3/25/22

OBSERVATIONS

This inspection was conducted as part of the regular monitoring program. The Operator (KrauthCo Inc) was represented during the inspection by Mr. Mike Krauth and Dr. Angela Bellantoni. The J&J Stone Pit #1 is accessed from Fremont Co Rd 9 approximately 4 miles north of Cañon City and is located approximately 0.6 miles east of FCR 9. This is a 112c sandstone mine. It was operating at the time of the inspection.

Availability of Records: Annual fees are paid through May 2021. TR-1 was approved in 2019 to expand the operation into phase 2. The previous inspection was on February 16, 2017. The approved post-mine land use is rangeland. There were no open infractions prior to the inspection. Both the surface and minerals are privately owned.

Acid And Toxic Materials: No acid or toxic materials are involved in this operation.

Backfilling and Grading: The phase 2 expansion are is approved to be exposed benches (see **Photo 1**). The limited surface material was being salvaged (see **Photo 2**) for up to 7 acres of the staging and processing areas reclamation.

Excess Spoil and Dev. Waste: Site representatives indicated overburden gets screened.

Explosives: The expansion into Phase 2 has included blasting, which was not included in the most recent revisions (AM-1, approved in 2017 and TR-1, approved in 2019). As no blasting was proposed, the DRMS did not request a blasting plan. The lack of a blasting plan on file was cited as a problem during the inspection. However, the Permittee submitted a technical revision (TR-2) to include a blasting plan which was approved by the DRMS prior to issuing this report. This issue is considered resolved.

Financial Warranty: The \$26,870 bond held by the DRMS was last updated in 2019. This amount is adequate for the observed mine disturbance.

Fish and Wildlife: No impact to wildlife was observed.

Hydrologic Balance: No standing water was observed in the pit and no exposed groundwater was observed.

Gen. Compliance with Mine Plan: The operation's excavation and material removal appeared to be in compliance with the approved mine plan and within the affected area boundary. The maximum allowed disturbed area is 35 acres. The 2021 annual report stated 24.9 acres were affected. Google Earth was used to measure the disturbed area, which was estimated to be approximately 17.55 acres, based on older 2019 imagery. Highwalls were estimated to vary between zero and 20 feet in height and appeared stable (see **Photos 1 and 3**).

Off-site Damage: Two types of disturbance were observed outside the affected area boundary during the inspection: 1) MSHA required the Operator to construct a safety berm (see **Photo 4**) on the south side of the access road (see **Figure 1**); and 2) a stockpile of material (see **Photo 5**) was observed also on the south side of the access road and west of the MSHA safety berm. The MSHA safety berm is related to mining and considered a significant road improvement. Therefore, it needs to be included in the affected area boundary. The observed stockpile south of the road was estimated to be 50 feet by 200 feet (less than a quarter of an acre) and also outside the affected area boundary. The MSHA berm and stockpile combine to roughly an acre of disturbance

and are cited as a Problem for disturbing area outside the affected area boundary on p. 1 of this report.

Processing Waste: A stockpile of crusher fines was observed east of the crusher area (see **Photo 6**).

Roads: Site representatives indicated Haul and access roads were sprayed for dust control. These roads did not appear to be a source of sediment that could be tracked offsite.

Right of Entry: The site is owned by the Permittee.

Reclamation Success: Site representatives pointed out the completed reclamation of the buffer berm on the southeast side of phase 1 (see **Photo 7**).

Revegetation: The only area where revegetation had been initiated was the aforementioned buffer berm on the southeast side of phase 1. No noxious weeds were observed.

Sediment Control: Some minor erosion was observed on the northeast side of the phase 2 pit which was captured by the pit. No BMPs were needed at the time of the inspection.

Support Facilities On-site: A truck scale, scale house, screen plant, excavators, loaders, and haul trucks were observed on the phase 2 side (see **Photo 6**). Only an excavator was observed on the phase 1 side.

Signs and Markers: The permit sign was properly posted (see **Photo 8**) and boundary markers were observed to delineate the permit boundary (see **Photo 9**).

Permit Stipulations: There are no permit stipulations.

Storm Water MGT Plan: No oil or fuel spills observed. Representatives stated stormwater drains to the pit and infiltrates.

Topsoil: A small topsoil stockpile was observed between phases 1 and 2 (see **Photo 10**).

Structures: During the review of TR-2 (blasting plan), five structures and/or clusters of structures were identified as being potentially within a half mile of the phase 2 blasting area. These are identified in the final blasting plan.

Please contact Tim Cazier (303)866-3567 ext. 8169 or email at tim.cazier@state.co.us if you have any questions regarding this report.

PHOTOGRAPHS



Photo 1. Phase 2 highwall benches (looking NW).



Photo 2. Salvage of limited surface material above phase 2 (looking west).

PHOTOGRAPHS (cont.)



Photo 3. Phase 1 highwall and excavator (looking southeast).



Photo 4. Crusher area equipment; and out-of-bounds MSHA berm & stockpile (looking south).

PHOTOGRAPHS (cont.)



Photo 5. Stockpile outside affected area boundary (looking east from SW corner).



Photo 6. Phase 2 stage area and fines stockpile (looking south).

PHOTOGRAPHS (cont.)



Photo 7. Buffer visual berm under final reclamation (looking SE from between phases 1 and 2).



Photo 8. Permit sign at entrance off FCR9.

PHOTOGRAPHS (cont.)



Photo 9. Typical boundary sign (looking WSW from SW corner of Phase 2).



Photo 10. Topsoil stockpile between phases 1 and 2.

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>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>Y</u>
(PW) PROCESSING WASTE/TAILING---- <u>Y</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</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>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>PB</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / **PB = Problem cited** / PV = Possible violation cited

Inspection Contact Address

Mike Krauth
KrauthCo Inc
1068 Red Canyon Road
Cañon City, CO 81212

Enclosure: Figure 1

ec: Michael Cunningham, DRMS
DRMS file
Angela Bellantoni, PhD, EAI

Figure 1. M-2011-004 J&J Stone Pit Post Inspection Map

Satellite imagery from 10/5/2019

Legend

- M-11-004 Access Road
- M-11-004 AM-1 Affected Area Boundary
- M-11-004 AM-1 Permit Boundary
- M-11-004 Disturbed Area
- M-11-004 MSHA Berm

