




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: Starlin Pit	MINE/PROSPECTING ID#: M-2004-021	MINERAL: Sand and gravel and (general)	COUNTY: Washington
INSPECTION TYPE: Monitoring	INSPECTOR(S): Brock Bowles	INSP. DATE: March 16, 2022	INSP. TIME: 10:00
OPERATOR: Washington County	OPERATOR REPRESENTATIVE: Danny rogers	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: None	BOND AMOUNT: \$0.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: April 19, 2022	

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

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

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

OBSERVATIONS

The inspection was conducted by Brock Bowles of the Division of Reclamation, Mining and Safety (Division). Danny Rogers of Washington County (County) was present for the inspection. The Starlin Pit is located approximately 8 miles southwest of Akron. The site is an active 112c operation with 160 acres permitted and the post-mining land use is rangeland. This inspection was carried out as a part of the Division's routine monitoring inspection program. At the time of the inspection it was cool, cloudy and the ground was dry.

The mine identification sign was in place facing CR X (photo 1). The permitted area was enclosed by a fence.

Mining started in the northeast corner of the permit area and is proceeding to the west along the east/west fenceline (photo 2). As the mining advances west, the area behind the active mining is reclaimed. The mine plan specifies that 20 acres will be reclaimed at a time. It appears the first 20 acres have been reclaimed and that mining is taking place in the 2nd 20 acre parcel.

The slopes in the reclaimed area have been graded to about 3h:1v and were seeded. The seeder machine was run up and down the graded slopes. The tracks lines left behind by the seeder are parallel to the slope and became channels which direct water down the slope causing rills and gullies, ultimately resulting in topsoil loss (photo 3). The rills on the slopes need to be repaired and the slopes reseeded. The seeder machine needs to run perpendicular to the slope resulting in the seeder tracks also being perpendicular to the slope. The tracks then create little check dams along the slope slowing surface flow, slowing erosion and increasing water infiltration into the soil.

A topsoil pile is located in the northeast corner and is well vegetated (photo 4).

PHOTOGRAPHS



Photo 1 – Mine entrance sign facing CR X



Photo 2 – Mined area looking north



Photo 3 – Rills developing in the seeder track lines



Photo 4 – Topsoil pile in northeast corner of permit area

Inspection Contact Address

Danny rogers
Washington County
551 W. Second St.
Akron, CO 80720

Enclosure

CC: