




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

The Division of Reclamation, Mining and Safety 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: Empire Pit	MINE/PROSPECTING ID#: M-1977-534	MINERAL: Sand and gravel	COUNTY: Clear Creek
INSPECTION TYPE: Monitoring	INSPECTOR(S): Peter Hays	INSP. DATE: July 22, 2022	INSP. TIME: 09:00
OPERATOR: City of Golden	OPERATOR REPRESENTATIVE: None	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: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: July 25, 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>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>N</u>	(BG) BACKFILL & GRADING----- <u>Y</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 Empire Pit was inspected by Peter Hays and Brock Bowles with the Division of Reclamation, Mining and Safety to observe the work associated with technical revision no 4. (TR4). The site was last inspected by the Division on June 30, 2022. A representative from the City of Golden was not present during the inspection.

Technical revision no. 4 (TR4) was approved by the Division on October 7, 2021. The technical revision revised the Reclamation Plan to address a 28.675 square foot (0.65 acres) area of high alkalinity (project area) located at the western boundary of the 28.50 acre site.

The revised Reclamation Plan states the Operator will excavate and remove 24 inches of material from the project area instead of the 30 inches approved in TR3. A geosynthetic clay liner will be installed at the base of the excavation instead of the 6 inch clay layer approved in TR3. A combination of subsoil and topsoil will be placed on the liner to provide sufficient depth for the native grasses roots. The subsoil will be replaced at 18 inches in depth and will be inert. The topsoil will be replaced at a depth of 6 inches. The requirement to test the soils and submit the results to the Division prior to placement in the project area was removed under TR4. Additionally, an access road along the west fence line of the pasture and a turnaround area south of the former explosives building will be constructed with 6 inches of road base material at the request of the property owners.

The excavation work and placement of the geosynthetic clay liner, subsoil and topsoil are complete. The project area appeared to have been seeded and straw mulch was observed spread over the project area. The mulch had not been crimped at the time of the inspection, but a crimper attachment was observed at the site. The construction of the new access road was nearing completion. The road base had been placed and the road was being graded during the inspection. A smooth drum compactor was observed at the site to compact the road base. The excavated material from the project area was spread across the existing laydown area on the City of Golden property. The fence between the project area and City owned property was being reestablished at the time of the inspection.

Photographs taken during the inspection are attached. If you need additional information or have any questions, please contact me at the Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at 303.866.3567 x 8124, or by email at peter.hays@state.co.us.

Inspection Contact Address

Anne Beierle
City of Golden
Director of Public Works
Golden, CO 80401

Ec: Jared Ebert, DRMS

PHOTOGRAPHS



View of the project area from the north side looking south



View of the project area from the south side looking north



View of the access road from the north end looking south



View of the access road from the south end looking north



View of the turnaround area



View of the project area and access road from the south side looking north