




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: Coal Creek Resources	MINE/PROSPECTING ID#: M-1988-044	MINERAL: Sand	COUNTY: Arapahoe
INSPECTION TYPE: Monitoring	WEATHER: Cloudy	INSP. DATE: May 18, 2023	INSP. TIME: 11:00
OPERATOR: Schmidt Construction Company	OPERATOR REPRESENTATIVE: Mark Heifner, Dan Chavez	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE:	BOND AMOUNT: \$352,530.82	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Robin Reilly, GISP	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: June 1, 2023	

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>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</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>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>N</u>	(RS) RECL PLAN/COMP-- <u>Y</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>Y</u>	

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

OBSERVATIONS

The Coal Creek Resources site was inspected by Robin Reilley with the Division of Reclamation, Mining and Safety (Division/DRMS). The inspection was completed as part of DRMS's systematic monitoring program. The site is located off East Quincey Ave at the Lowry Ranch entrance, approximately 7 miles east of the intersection with C470. The site was previously inspected by the Division in July, 2019 as part of the Division's routine monitoring program and 32 acres were proposed for release at that time. Mark Heifner, and Dan Chavez accompanied me during the inspection. The weather was cool, and the sky threatening thunder showers.

Coal Creek Resources is a 715 acre 112c mining operation on land owned by the State of Colorado and managed by the Colorado State Board of Land Commissioners. The commodity mined at the site was sand and the approved post mining land use is rangeland and wildlife habitat. The site has been reclaimed and vegetation is establishing. The goal for full release of the site is within three years (2026) when vegetation is established sufficiently to support the post mining land use. A surety of \$352,530 is currently posted with DRMS. A new reclamation cost estimate was calculated (attached) and found to be \$39,626.

The site is authorized for intermittent operation although no mining is expected. A mine identification sign as required by Rule 3.1.12 was observed at the entrance. The permit boundary is clearly marked with perimeter fencing.

The area was planted in 2014 and appeared to be establishing with adequate cover. Flat areas leading up to the pit were greening up with an abundance of kochia (*Bassia scoparia*) and Russian thistle (*Salsola tragus*). Portions of these areas were seeded in fall of 2022. The seeded weatgrasses (cool season) were sparse as were perennials and warm season species had not yet emerged. Reseeding during 2023 will be necessary due to preponderance of weed seedlings. Vegetation on the west facing slopes of the highwall appeared well established at the time of inspection. Seeding occurred in 2022 at the processing area. Bare spots and erosional features were apparent in portions of the processing area. Vegetation included *Pascopyrum smithii*, *Astragalus* legumes and *Oxytropis spp*. The approximate four acres of processing area are scheduled for reseeding his spring.

The operator agreed to reseeding and mitigation of erosional features as noted in this report. The site appeared stable with gentle slopes that have a western aspect. The area is sprayed for weeds as part of a grazing permit.

DRMS finds the current financial warranty adequate to complete reclamation. Based on the reclamation work observed Coal Creek would likely be eligible for a surety reduction.

PHOTOGRAPHS



Photo 1: Seedlings of Russian thistle were prevalent in area seeded in 2022 (looking north).



Photo 2: Looking east across the former pit and up the slopes of the former highwall area.



Photo 3: Looking south east, pit and higwall area.



Photo 4: Sparsely vegetated area at the processing area of approximately 4 acres showing signs of overland flow.



Photo 5: Sparsely vegetated former processing area showing rivulets.



Photo 6: Blooming Oxytropis, (loco weed) among cool season grasses.



Photo 7: Mine identification sign posted at entrance from Quincy Ave.

Please contact Robin Reilley (303)866-3567 ext. 8105 or email at robin.reilley@state.co.us if you have any questions regarding this report.

Inspection Contact Address

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Enclosure

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