




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: Stevens Clay Lease	MINE/PROSPECTING ID#: M-1996-064	MINERAL: Clay	COUNTY: Douglas
INSPECTION TYPE: Monitoring	INSPECTOR(S): Elliott Russell	INSP. DATE: September 11, 2020	INSP. TIME: 11:15
OPERATOR: The Denver Brick Company	OPERATOR REPRESENTATIVE: Richard Murphy	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: None	BOND AMOUNT: \$148,000.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: March 31, 2021	

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>Y</u>	(FN) FINANCIAL WARRANTY----- <u>N</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>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</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

This inspection was conducted following a request from the Operator for the Division to evaluate the reclamation work completed at the site. Elliott Russell, with the Division, conducted the inspection while Richard Murphy, representing the Operator, accompanied the inspection.

The Stevens Clay Lease is a Construction Materials 112c Operation Reclamation Permit and is approved for 40.2 acres with 20.8 acres of disturbance. Affected lands will be reclaimed to support a rangeland post-mining land use. The site is located in Douglas County, approximately 4.5 miles southwest of Parker, Colorado. The Division met Richard Murphy at the mine site entrance on the north side of Crowfoot Valley Road, approximately 3.3 miles south of Hess Road.

Backfilling and Grading: Appropriate backfilling and grading has been completed at the site. The post-mining topography matches adjacent undisturbed areas.

Hydrologic Balance: No standing water was observed on the re-graded areas and no issues regarding the hydrologic balance were present.

Gen. Compliance With Mine Plan: The operation appeared to be in compliance with the approved mine plan. Google Earth was used to measure the disturbed area, which was estimated to be approximately 20.5 acres.

Off-site Damage: The operation appeared to be confined to the permit boundary, based on Google Earth review.

Reclamation Success: The site was entered into final reclamation following reclamation activities in 2019. It appears the seeding efforts have yet to be successful based on ground cover and the lack of establishment of reclamation grass species. A cover crop of what was believed to be winter wheat had been established. It appears the site has been grazed which will hinder the success of the reclamation grasses. The Division recommends the Operator re-established the temporary electric fence, observed to be down along the southern and southeastern portions of the site. The Division also recommends the Operator conduct a re-seeding of the site or an inter-seeding on areas that had little to no germination. The approved reclamation seed mixture is summarized below.

Grass Species	% of Mix	Drilled Rate Pounds PLS/Acre
Big Bluestem	10	1.1
Yellow Indiangrass	10	1.0
Sideoats Grama	5	0.4
Switchgrass	20	0.9
Little Bluestem	5	0.3
Thickspike Wheatgrass	15	1.7
Blue Grama	5	0.1
Western Wheatgrass	10	1.6
Prairie Sandreed	10	0.6
Sainfoin	5	2.9

Revegetation: A large amount of listed noxious weed species were present on the southern half of the site. The Division observed common mullein, musk thistle, bull thistle, and field bindweed. The Operator will need to treat the noxious weeds in accordance with Rule 3.1.10(6). The Division observed only some beneficial grass species had germinated but the most of the site was the cover crop, weedy species, or noxious weeds.

Sediment Control: No erosion problems were observed and no BMPs were needed at the time of the inspection.

Signs and Markers: The permit sign was properly posted and boundary markers were observed to delineate the permit boundary.

This concludes the Division's Inspection Report; a subset of photographs taken during the time of the inspection are included below. If you need additional information or have any questions, please contact me at Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at **303-866-3567 x8132**, or by email at elliott.russell@state.co.us.

PHOTOGRAPHS



Photo 1. Northern portion of the site; looking north.



Photo 2: Southern portion of the site; looking northeast.



Photo 3. Musk and bull thistle in the southern portion of the site; looking east.



Photo 4. Common mullein in the southern portion of the site; looking east.

Inspection Contact Address

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