




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: Indian Springs Park Pit	MINE/PROSPECTING ID#: M-2001-087	MINERAL: Gravel	COUNTY: Fremont
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: August 7, 2018	INSP. TIME: 10:00
OPERATOR: Fremont County	OPERATOR REPRESENTATIVE: Sterling Rife & Paul Garrett	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: Colo. Land Board	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: January 18, 2019	

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>NA</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>NA</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>Y</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>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	

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

OBSERVATIONS

This inspection was conducted as part of the regular monitoring program. The Operator (Fremont County) was represented by Messrs. Sterling Rife and Paul Garrett who were present for the inspection. The Indian Springs Park Pit site access road entrance is located approximately 13 miles south of Hwy 50 and Co. Rd 3 (Copper Gulch Rd) off Fremont co. Rd 28. This is a 112c gravel mine. The mine was not operating at the time of the inspection.

Availability of Records: Annual fees are paid through February 2018. The previous inspection was on August 6, 2014. The approved post-mine land use is rangeland. There are no open infractions. Both the surface and minerals are managed by the Colorado State Land Board.

Excess Spoil and Dev. Waste: No overburden piles were observed. Mr. Rife indicated the clayey overburden material is used for binder and mixed at other sites with material mined at those sites.

Financial Warranty: As the site is permitted by the County, no bond is required.

Fish and Wildlife: No impact to wildlife was observed.

Hydrologic Balance: A small amount of standing water was observed in the pit (see **Photo 1**) which was judged as stormwater, not exposed groundwater.

Gen. Compliance with Mine Plan: The operation appeared to be in compliance with the approved mine plan. The maximum allowed disturbed area is 20 acres. Google Earth was used to measure the disturbed area, which was estimated to be approximately 5.8 acres, based on 2016 imagery. Highwalls were estimated to eight feet in height and appeared stable (see **Photos 2 and 3**).

Off-site Damage: The operation appeared to be confined to the permit boundary, based on Google Earth review and the collection of GPS locations of the site boundary markers using a handheld Trimble Juno 3B GPS unit (see enclosed **Post Inspection Map**).

Roads: Haul and access roads did not appear to be a source of sediment that could be tracked offsite.

Reclamation Success: The County has begun reclaiming a small area east of the deepest (southeast) part of the pit (see **Photo 4**).

Revegetation: Some revegetation is underway in small area east of the deepest (southeast) part of the pit (see **Photo 4**). Some Common Mullein, a List C noxious weed species and some small tamarisk, a List B noxious weed species were observed (see **Photo 1**). As there is a small amount in an isolated area the presence of these noxious weeds is not cited as a problem. However, the County should implement a weed control program before these weeds become problematic.

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

Support Facilities On-site: None observed.

Signs and Markers: The permit sign was properly posted (see **Photo 5**) and boundary markers were observed

to delineate the permit boundary (see **Photos 6 and 7**).

Permit Stipulations: There is one open stipulation: Prior to conducting any blasting at the Indian Springs Park Pit, the operator will submit and receive approval for a Geotechnical Stability Exhibit in accordance with Rule 6.5(4) of the Construction Materials Rules and Regulations of the Colorado Mined Land Reclamation Board.

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

Topsoil: Topsoil is stockpiled on the east and north sides of the pit (see **Photos 3 and 8**).

Structures: No structures were observed within 200 feet of the affected area.

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

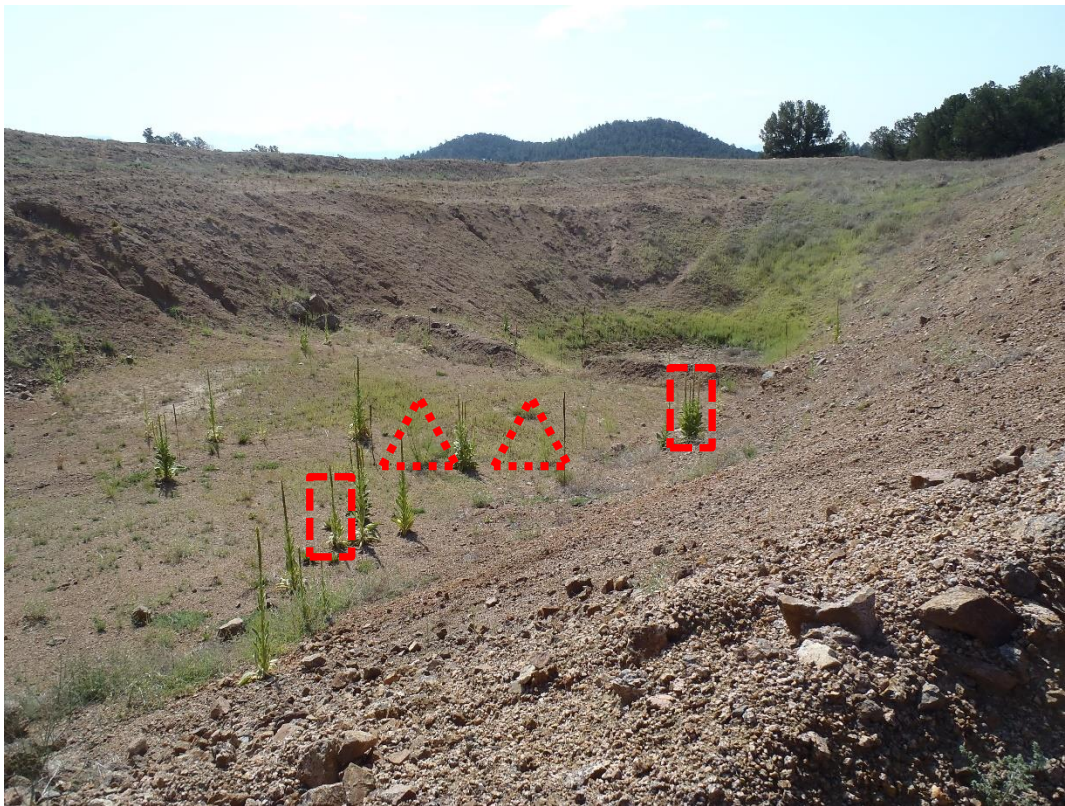




Photo 1. Deepest portion of pit with water (note small tamarisk  and common mullein ).

PHOTOGRAPHS (cont.)



Photo 2. Typical highwall (NE corner, looking NE).



Photo 3. Typical highwall (NE corner, looking east, note topsoil stockpile circled)

PHOTOGRAPHS (cont.)

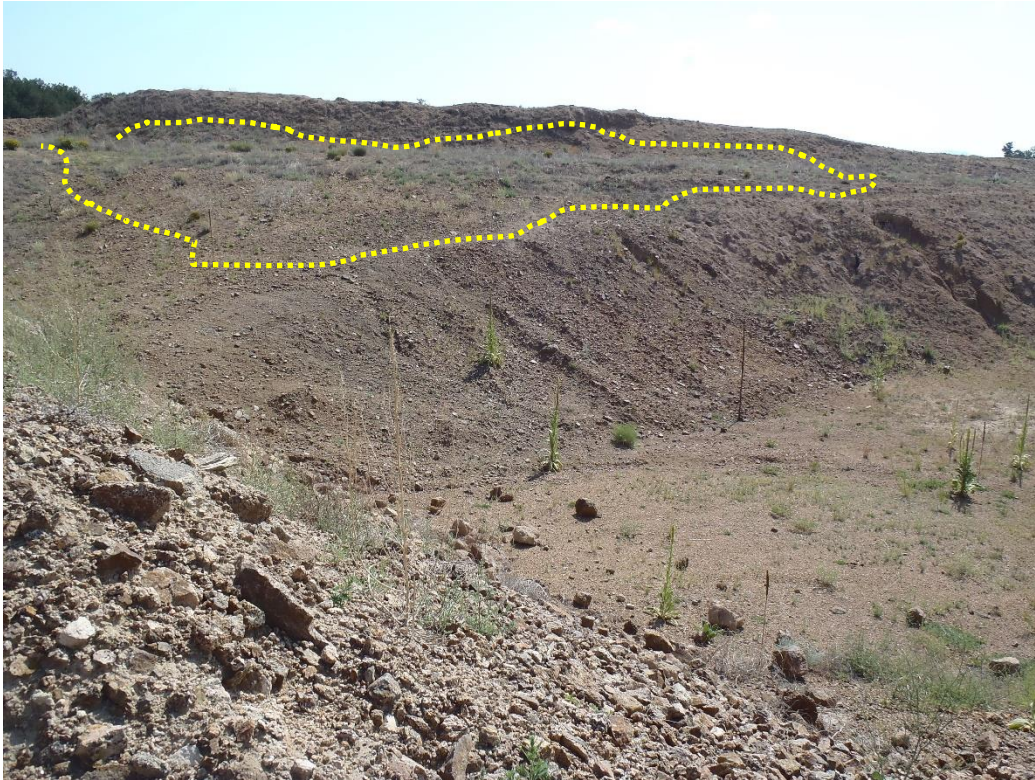


Photo 4. Area being reclaimed east of deep portion of pit (looking east).



Photo 5. Permit sign (at entrance).

PHOTOGRAPHS (cont.)



Photo 6. Typical boundary marker T-post (note GPS unit on top).



Photo 7. Boundary marker T-post on SW corner of access road (note GPS unit on top).

PHOTOGRAPHS (cont.)



Photo 8. Topsoil stockpile (east side, looking east).

Inspection Contact Address

Sterling Rife
Fremont County
110 Red Canon Road
Cañon City, CO 81212

Enclosure: Post inspection map

ec: DRMS file
Phil Courtney, SLB

Indian Springs Park Pit 2018 Post-Inspection Map

* Satellite Imagery from 6/15/2016.

* Permit Area boundary based GPS data collected 8/7/2018.

Legend

- △ Corner Post
- Gate Post
- Permit Boundary
- T-post

