




## 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.

<b>MINE NAME:</b> Crystal Pit	<b>MINE/PROSPECTING ID#:</b> M-1989-116	<b>MINERAL:</b> Gravel	<b>COUNTY:</b> Teller
<b>INSPECTION TYPE:</b> Surety Release Inspection	<b>INSPECTOR(S):</b> Timothy Cazier, P.E.	<b>INSP. DATE:</b> September 10, 2021	<b>INSP. TIME:</b> 09:00
<b>OPERATOR:</b> City of Colorado Springs	<b>OPERATOR REPRESENTATIVE:</b> Richard Sebastian-Coleman, Joe Houghton, Kelly Thompson	<b>TYPE OF OPERATION:</b> 110c - Construction Limited Impact	
<b>REASON FOR INSPECTION:</b> Surety Release Requested	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$0.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> U.S. Forest Service	<b>JOINT INSP. AGENCY:</b> None	
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> October 25, 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>NA</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>Y</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>NA</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>Y</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 by Tim Cazier (DRMS) as part of the request for final release of reclamation liability (SL-02). The Operator (City of Colorado Springs) was represented by Messrs. Richard Sebastian-Coleman, Joe Houghton and Kelly Thompson who were present for the inspection. The US Forest Service was not represented during the inspection. This is a 110c gravel mine and was not active at the time of the inspection. The Crystal Pit entrance is accessed from the Pikes Peak Toll Road.

Availability of Records: Annual fees are paid through March 2021. The previous inspection was on November 10, 2016. The approved post-mine land use is wildlife habitat. There have been no infractions for this permit. The surface is managed by the US Forest Service.

Acid And Toxic Materials: No acid or toxic materials are involved in this operation.

Backfilling and Grading: Backfilling and grading have been completed and appear to be in compliance with the approved reclamation plan (see **Photos 1 and 2**).

Excess Spoil and Dev. Waste: No overburden piles were observed.

Financial Warranty: As the site is permitted by the City of Colorado Springs, no bond is required.

Fish and Wildlife: No impact to wildlife was observed.

Hydrologic Balance: No standing water was observed in either pit and no exposed groundwater was observed.

Gen. Compliance with Mine Plan: A file review indicates the site has not been actively mined since 2004.

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

Processing Waste: No processing waste was observed.

Roads: Haul and access roads were observed to have been reclaimed in both pits (see **Photos 3 and 4**).

Right of Entry: Site representatives explained Colorado Springs Utilities has a maintenance agreement/special use permit with the US Forest Service.

Reclamation Success: Grading, topsoiling and revegetation was observed to be completed in both pits.

Revegetation: A couple of knapweed plants were observed in the East pit, but not enough to be problematic. Site representatives state Habitat Management had been on site twice this year to treat noxious weeds. The observed vegetation appeared to be diverse and well established in both pits (see **Photos 5 and 6**).

Sediment Control: The pit bottoms are the natural drainage ways. Only minor erosion was observed where bedrock was exposed. No significant future erosion problems are anticipated based on site observations during the inspection.

Support Facilities On-site: No equipment was observed within the permit boundaries.

Signs and Markers: The permit sign was properly posted (see **Photo 7**).

Storm Water MGT Plan: No oil or fuel spills observed. Stormwater basins were observed at the downgradient end of both pits (see **Photos 8** and **9**). Both basins were well vegetated and had outlet points to allow excess flows to discharge offsite.

Summary: The DRMS is recommending this site for final release from reclamation liability. We are waiting for concurrence from the US Forest Service in accordance with our interagency MOU, as they are the land manager.

An approval letter will be sent under separate cover.

Please contact Tim Cazier (303)866-3567 ext. 8169 or email at [tim.cazier@state.co.us](mailto:tim.cazier@state.co.us) if you have any questions regarding this report.

## **PHOTOGRAPHS**



Photo 1. East pit – typical finished grading (looking SW from mid-pit area).



**PHOTOGRAPHS (cont.)**



Photo 2. West pit – typical finished grading (looking west from upper pit area).



Photo 3. East pit reclaimed haul road (looking SW from stormwater basin).



**PHOTOGRAPHS (cont.)**



Photo 4. West pit reclaimed haul road (looking west from mid-pit).



Photo 5. East pit – typical diverse established vegetation (looking NE).



**PHOTOGRAPHS (cont.)**



Photo 6. West pit – typical diverse established vegetation (looking SW).



Photo 7. Permit sign (near east pit).



**PHOTOGRAPHS (cont.)**



Photo 8. East pit stormwater basin (looking NE & downgradient).



Photo 9. West pit stormwater basin (looking NE & downgradient).

**Inspection Contact Address**

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