




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: Riprap Quarry Area	MINE/PROSPECTING ID#: M-1981-085	MINERAL: Volcanic materials (a	COUNTY: Grand
INSPECTION TYPE: Monitoring	INSPECTOR(S): Peter S. Hays	INSP. DATE: September 17, 2019	INSP. TIME: 11:00
OPERATOR: N Colo Water Conservancy Dist.	OPERATOR REPRESENTATIVE: Craig Friar	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$12,650.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: September 23, 2019

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Financial Warranty

PROBLEM: The financial warranty is not adequate to reclaim the site in accordance with the approved Reclamation Plan. This is a failure to maintain the proper financial warranty amount to complete reclamation of the affected lands pursuant to C.R.S. 34-32.5-117(4)(b) of the Act.

CORRECTIVE ACTIONS: The Operator shall submit adequate financial warranty, as determined by the Division. The Division calculated the required financial warranty based on the observations from this inspection at \$18,000.00, an increase of \$5,350.00. A copy of the updated cost estimate is attached for review. The Division will allow the Operator 30 days from the signature date of this inspection report to review and respond to the increased financial cost estimate prior to the Division issuing the notice of surety increase letter. The Operator will have 60 days from the date on the surety increase notice to post the additional financial warranty.

CORRECTIVE ACTION DUE DATE: 10/23/19

OBSERVATIONS

The Riprap Quarry Area was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) as part of the Division's monitoring inspection program. The site was previously inspected by the Division on September 16, 2015. Mr. Craig Friar with Northern Colorado Water Conservancy District (NCWCD) was present during the inspection.

The site is an 112c operation permitted for 34.20 acres. The site consists of a ridge of fractured basalt. Mining the site requires the use of explosives. The site was inactive during the inspection. The Operator stated the site was blasted in 2018 producing 5,000 tons of material. Evidence of the blasting was observed during the inspection. Material stockpiles were located on the pit floor. The stockpiled material is removed from the site as needed. The highwall height was estimated at 20 feet. The maximum depth of mining is 80 feet.

The approved post mining land use for the site is general agriculture. No reclamation activities have begun at the site. No noxious weeds were observed during the inspection. A topsoil stockpile was located north of the pit floor and east of the access road. The stockpile was vegetated and stable. The stormwater berm along the east side of the pit floor was observed. The pit floor was dry and no erosion features were observed during the inspection. The mine sign and boundary markers were observed as required by Rule 3.1.12.

The Division holds a financial warranty in the amount of \$12,650.00. The Division calculated the required financial warranty based on the observations from this inspection at \$18,000.00, an increase of \$5,350.00. A copy of the updated cost estimate is attached for review. The Division will allow the Operator 30 days from the signature date of this inspection report to review and respond to the increased financial cost estimate prior to the Division issuing the notice of surety increase letter. The Operator will have 60 days from the date on the surety increase notice to post the additional financial warranty.

Photographs taken during the inspection and an inspection map based on the observations from the inspection are attached. 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 x 8124, or by email at peter.hays@state.co.us.

Inspection Contact Address

Mr. Jim Struble
N Colo Water Conservancy Dist
220 Water Avenue
Berthoud, Colorado 80513

Ec: Michael Cunningham, DRMS

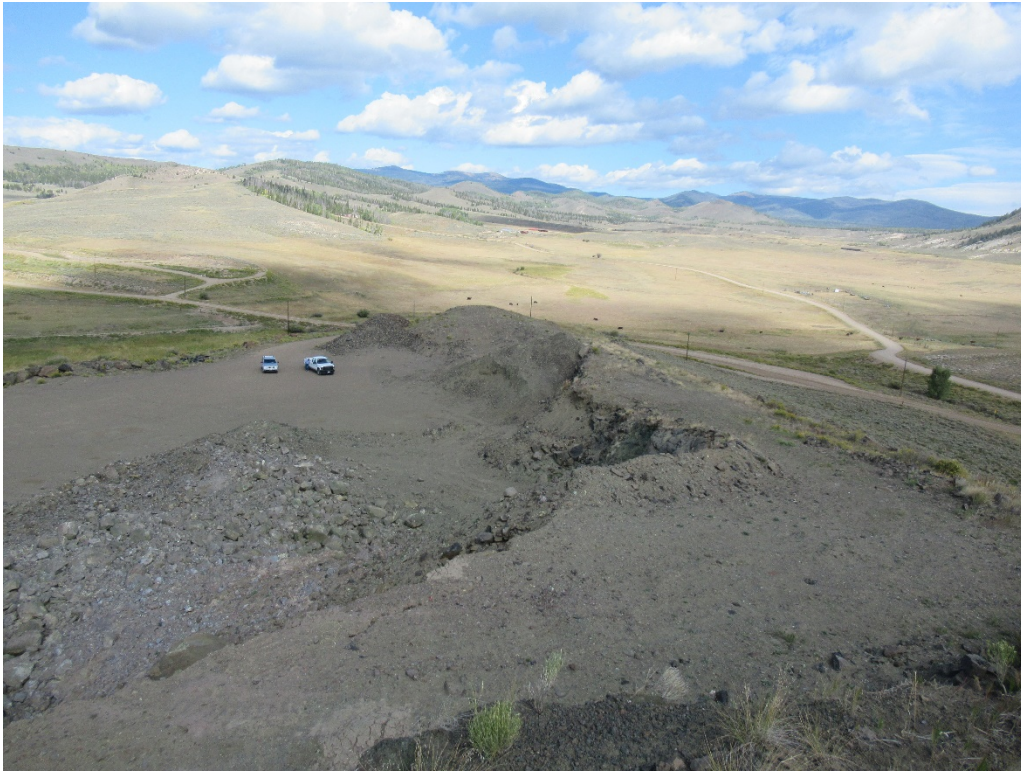
PHOTOGRAPHS



Riprap Quarry mine sign



View of the site from the highwall looking northwest



View of the site from the highwall looking north



View of the highwall from the east side looking west



View of the highwall from the pit floor looking south

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- PB	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>N</u>	(BG) BACKFILL & GRADING----- <u>N</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>N</u>	(RV) REVEGETATION---- <u>N</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>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

Rip Rap Quarry

M-1981-085

September 17, 2019 Inspection Map

Legend

-  Rip Rap Quarry Disturbance Area - 5 Acres
-  Rip Rap Quarry Permit Boundary
-  Riprap Quarry Area
-  Topsoil Stockpile

Riprap Quarry Area

401

40

461

Google Earth

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1000 ft