




**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> H & H Quarry #2	<b>MINE/PROSPECTING ID#:</b> M-1998-080	<b>MINERAL:</b> Sandstone (silica, st quartzite)	<b>COUNTY:</b> Dolores
<b>INSPECTION TYPE:</b> Surety-Related Inspection	<b>INSPECTOR(S):</b> Lucas J. West	<b>INSP. DATE:</b> August 22, 2017	<b>INSP. TIME:</b> 16:15
<b>OPERATOR:</b> H & H Stone	<b>OPERATOR REPRESENTATIVE:</b> Marty and Andrea Holley	<b>TYPE OF OPERATION:</b> 110c - Construction Limited Impact	
<b>REASON FOR INSPECTION:</b> Surety Related	<b>BOND CALCULATION TYPE:</b> Complete Bond	<b>BOND AMOUNT:</b> \$6,347.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> August 30, 2017	

**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>Y</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>N</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>N</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>	(CI) COMPLETE INSP---- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	(ST) STIPULATIONS----- <u>N</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 previously issued Financial Warranty Increase that was calculated by the Division. The Operator elected to perform partial reclamation of the site in lieu of posting the additional required surety. The H & H Quarry #2 is listed as an active 110(c) operation located in Dolores County and consists of 9.9 permitted acres with approximately 3 acres disturbed. The site is located 8 Miles southeast of Dove Creek, CO and is accessed by County Road 8.5. Public Access to the site is controlled by a locked gate just off the County Road. Five Photos accompany this report to illustrate the current site conditions.

The proper mine identification signage was observed shown in Photo One, as well as the permit boundary markers. All disturbances were contained within the permitted areas. The site was not active during the inspection however some equipment was on site. Discussions with the Operator indicate that they have been active the last few months in performing the partial reclamation, other site maintenance as well as processing and selling material.

The site consists of two pit areas, one historic and one where the mining activity has been concentrated. The main active pit, consists of a highwall ranging from 20 to 30 feet tall. The highwall appears to be stable and in good condition and can be seen in Photos Two and Three. Dimensional sandstone is periodically cut from the exposed highwall, and split into smaller pieces for removal from the site and sale. Stockpiles of the stone can also be seen in Photos Two and Three. Approximately 15 feet behind the exposed highwall has been stripped future extraction activities. The floor of the main pit area is also in good condition and appears to be stable.

The historic pit is where the Operator elected to conduct reclamation in lieu of posting the additional required surety. The reclamation efforts are shown in Photos Four and Five. The pit has been backfilled and rough graded that has created an undulating surface to prevent future erosion. The grading was done in a way that over time it will retain moisture and aid in the reclamation efforts. What little topsoil was on site from historic stripping activities has been spread over the backfilled area. Seeding will take place in the coming months, as the Operator wished to gain Division approval of the grading work prior to conducting the seeding. The Operator has also gone above and beyond by transplanting young Juniper trees as well as sage brush through the reclaimed area.

Based on the partial reclamation work conducted by the Operator, a Reclamation Cost Estimate Update was performed based on the current site disturbance. Staff calculations found that the currently held financial warranty is sufficient to achieve reclamation of the site in accordance with the approved reclamation plan. The Division would like to thank the Operator for their cooperation and efforts in resolving this matter over the last several months.

The overall footprint of the site is in good condition and free from trash and debris. The site exhibits positive drainage and no significant erosion was noted during the inspection. No noxious weeds were observed, and conversations with the operator indicate that active weed management is ongoing. No problems or possible violations were noted during this inspection. All responses to this report should be directed to Lucas West at the Colorado Division of Reclamation, Mining and Safety at 1313 Sherman Street, Room 215, Denver CO, 80203, by phone at (970)-243-6368 or by email at [lucas.west@state.co.us](mailto:lucas.west@state.co.us).

## PHOTOGRAPHS



Photo One: Showing the proper Mine ID signage posted at the entrance to the site.



Photo Two: View South showing the active mining area where dimensional stone is being removed from the highwall area.





**Inspection Contact Address**

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Enclosure

CC: Russ Means, Senior Environmental Protection Specialist