




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: Bad Boy Stone	MINE/PROSPECTING ID#: M-1992-108	MINERAL: Dimension stone	COUNTY: Boulder
INSPECTION TYPE: Monitoring	INSPECTOR(S): Amy Eschberger	INSP. DATE: July 11, 2018	INSP. TIME: 13:00
OPERATOR: Bad Boy Stone	OPERATOR REPRESENTATIVE: Raul Vasquez	TYPE OF OPERATION: 110c - Construction Limited Impact	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$5,300.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: September 5, 2018	

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>Y</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>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>N</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>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <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 of the Bad Boy Stone site (Permit No. M-1992-108) was conducted by Amy Eschberger of the Division of Reclamation, Mining and Safety (Division) in order to assess whether the existing bond of \$5,300.00 is adequate to complete reclamation of the site. The Division issued a Notice of Violation (NOV) to the operator on June 25, 2018 for failure to submit the required annual reports, maps, and fees for 2017 and 2018. The NOV assessed a civil penalty in the amount of \$323.00, for which the operator submitted a check during the inspection. Mr. Raul Vasquez accompanied the Division for the inspection. The site is located approximately 7 miles northwest of Lyons, and is situated along the western edge of Beech Hill. Several other permitted quarries operate in the area. **Photos 1-6** taken during the inspection are included with this report.

This is a 110c operation permitted for 6.58 acres to mine sandstone. There are two pits located within the permit area. The operation completed mining the northern pit many years ago. This pit was reclaimed in 1998 in order to reduce the required financial warranty. The active pit is located in the southern portion of the permit area. The site has been largely leveled off for future residential use. There are several benches along the western side of the southern pit area, which average approximately 4 feet in height and 3 feet in width. Volunteer trees, shrubs, grasses, and annual weeds have begun establishing across the site. Large blocks of sandstone are present along the western edge of the site. Any excess sandstone will need to either be removed from the site or used to backfill the southern pit. An overburden/topsoil stockpile is stored at the eastern edge of the site. The operator should salvage any topsoil and fines from the overburden stockpile to spread over disturbed areas for reclamation.

The approved reclamation plan calls for grading highwalls to 3H:1V or flatter, replacing topsoil at an average depth of six inches, and revegetating the site with a native grass mixture recommended by the local Soil Conservation District. The approved post-mining land use is a combination of residential and wildlife habitat.

According to annual reports submitted to the Division, the operation was last active in 2015. The site was not active during the inspection. Rule 3.1.3 requires reclamation to be completed with all reasonable diligence, and each phase of reclamation to be completed within five (5) years from the date the operator informs the Division that such phase has commenced. Therefore, if mining activities (extracting, processing/working mined material, hauling off from stockpiled material) will not continue at the site, the operation will need to begin final reclamation of the southern pit area. The Division estimates this would include backfilling the small pit with overburden and/or excess mined material, grading backfilled areas to 3H:1V or flatter, replacing topsoil across disturbed areas, and seeding disturbed areas with the approved grass seed mixture.

The Division has determined the currently held bond is sufficient to complete reclamation of the existing disturbance at this site. It should be noted, the operator submitted the past due annual reports, maps, and fees on July 17, 2018. Therefore, the site is considered to be in compliance at this time.

PHOTOGRAPHS



Photo 1. View looking west across south pit area. Large blocks of sandstone scattered across ground will need to be removed from site or used to backfill pits for reclamation. Mine walls will need to be graded to 3H:1V or flatter.



Photo 2. View looking east across south pit area. Loose rocks will need to be pushed into pit and graded out to 3H:1V or flatter for reclamation.



Photo 3. View looking east, showing closer view of south pit shown in Photo 2.



Photo 4. View looking west across south pit area. Loose rocks will need to be pushed into pit and graded out to 3H:1V or flatter for reclamation. Mine walls will need to be graded to 3H:1V or flatter.



Photo 5. View of rock pile stored in south pit area. This material can be used to backfill the pit for reclamation.



Photo 6. View looking east showing overburden/topsoil stockpile (behind stacked stone) stored at eastern edge of site. This material should be spread across disturbed areas for reclamation.

Inspection Contact Address

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