




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: T Bone Stone Quarry	MINE/PROSPECTING ID#: M-2004-030	MINERAL: Stone	COUNTY: Boulder
INSPECTION TYPE: Monitoring	INSPECTOR(S): Patrick Lennberg	INSP. DATE: May 5, 2022	INSP. TIME: 09:00
OPERATOR: T Bone Stone, Inc.	OPERATOR REPRESENTATIVE: Bill Tenore	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$68,574.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: May 11, 2022	

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>N</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</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>	(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

OBSERVATIONS

The T Bone Stone Quarry was inspected by Patrick Lennberg with the Division of Reclamation, Mining and Safety (Division/DRMS). The inspection was completed as part of the Division's routine monitoring inspection program. The site was previously inspected by the Division on May 17, 2017 during a routine monitoring inspection. Bill Tenore, operator/permittee, accompanied me during the inspection. The weather was clear.

This is a 112c operation permitted for 25 acres. The affected acreage is 25 acres but only 14.5 acres to be disturbed at any one time. The maximum depth of mining is limited to 50 feet. The permit is to mine sandstone for building materials and decorative use. The mine is located on property owned by William Tenore and Roberta McLeod Tenore. The mine is located in Boulder County. The site entrance is located approximately 3 miles north of Lyons, CO. The approved post-mining land use is rangeland. A mine sign was posted at the mine entrance pursuant to Rule 3.1.12.

The quarry was not active at the time of inspection. The operator stated that COVID complications and complications with the Federal government issuing work visas has limited the ability to work the permit. Similar sentiments were vocalized by other operators in the area. The operation excavates the stone mainly by hand then cuts the stone on site using portable machinery. The cut stone is palletized and stored on site for transport. Overburden is to stored adjacent to the quarries. There is very little to no salvageable topsoil available in the areas that are being mined.

There are three quarry areas, the southern quarry, outlined in orange on the attached map, is approximately 6.7 acres in size and includes the processing area. The north quarry, outlined in blue, is approximately 3.1 acres and the eastern quarry, outlined in purple is 1.6 acres in size. The south quarry is approximately 15 feet deep with overburden stockpiled along its northern and southern edges. Approximately 400 feet of highwall ranging from 3-15 feet in height exist in the south quarry. The north quarry is approximately 30 feet deep with overburden stockpiled along its northern and southern edges. Approximately 325 feet of highwall ranging from 5-30 feet in height exist in the north quarry. A loading and storage area is present just east of the north quarry, on the other side of the access road. The east quarry is approximately 1.6 acres in size, has a highwall length of approximately 240 feet with highwalls that range from 3 to 25 feet.

There are two areas, totaling 1 acre, located in the southeastern part of the permit boundary that have/are being used to store palletized product. The area in green has been reclaimed and has native vegetation becoming established. The area in dark blue contains stored material.

The approved reclamation plan includes backfilling the pits with an average depth of 10 feet of overburden, replacing growth medium at a depth of four inches, ripping any storage areas to reduce compaction, and revegetating the site with a mixture of native grasses, Ponderosa Pine trees, and Rocky Mountain Juniper shrubs. All disturbed slopes will be graded to 3H:1V or flatter. Existing roads within the permit area will not be reclaimed. The operator stated reclamation work may begin later this year beginning with the north and east pits.

The Division evaluated the financial warranty and determined the current bond amount held by the Division is adequate at this time. Please note if no reclamation is done the financial warranty will increase during the next inspection.

Photographs taken during the inspection are attached.

Please contact Patrick Lennberg (303)866-3567 ext. 8114 or email at patrick.lennberg@state.co.us if you have any questions regarding this report.

Inspection Contact Address

Bill Tenore
T Bone Stone, Inc.
2337 Emery St
Longmont, CO 80501

Attachment: GoogleEarth Map of Permit Area

cc: Jared Ebert, DRMS

ec: Bill Tenore, T Bone Stone, Inc., tbonestoneinc@msn.com

PHOTOGRAPHS



Photo 1: Mine sign at the primary mine entrance



Photo 2: Road leading to mine site, looking south from mine sign



Photo 3: Looking at north quarry area, material to the north of pit available for backfill



Photo 4: Storage area to the east of north quarry



Photo 5: East quarry area



Photo 6: North of the east quarry area partially reclaimed



Photo 7: Equipment laydown area adjacent to south quarry area



Photo 8: Stone processing area



Photo 9: South quarry area



Photo 10: Product storage area located in the southeastern portion of permit area

Attachments

T Bone Stone Quarry

M2004-030
Aerial Image 2021

Legend

- M2004-030_Disturbed-Area= 0.5ac
- M2004-030_Disturbed-Area= 0.5ac
- M2004-030_Disturbed-Area= 1.65ac
- M2004-030_Disturbed-Area= 3.14ac
- M2004-030_Disturbed-Area= 6.7ac
- M2004-030_New-Disturbed-Area= 1.6ac
- Pemit Boundary = 25 acres