




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: The Pride of America Mine	MINE/PROSPECTING ID#: M-1999-058	MINERAL: Marble	COUNTY: Gunnison
INSPECTION TYPE: Monitoring	INSPECTOR(S): Dustin Czapla	INSP. DATE: October 22, 2019	INSP. TIME: 12:00
OPERATOR: Colorado Stone Quarries, Inc.	OPERATOR REPRESENTATIVE: Daniele Treves	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: High Priority	BOND CALCULATION TYPE: None	BOND AMOUNT: \$404,857.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Snowing	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: October 24, 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.

1. INSPECTION TOPIC: Acid And Toxic Materials, Hydrologic Balance

POSSIBLE VIOLATION: Fuel storage associated with the generator unit was not placed in adequate secondary containment structures, resulting in a fuel spill which has impacted soils, and potentially surface and groundwater.

CORRECTIVE ACTIONS: The operator shall immediately remediate the spill and submit a final report to the Division containing at least the following information:

- Actions taken to respond to and correct the effects of the spill.
- Any known or anticipated adverse impacts to persons or property. This should include information regarding impact to Yule Creek.
- Monitoring and analyses that are necessary to evaluate the situation and corrective actions along with copies of all pertinent data.
- Results of the operator's investigation to assess the conditions or circumstances that led to the spill, and what protective measures will be taken to prevent a similar event from occurring in the future.

- e) Evidence in the form of a receipt that the contaminated soil was disposed of by an approved method (such as sent to an approved landfill, land farming, recycling center, etc.).

All storage tanks, petroleum and any hazardous materials on site for any period of time shall have appropriate secondary containment. The site will also have to comply with all applicable SPCC requirements. Note that secondary containment structures shall consist of an impermeable containment which could contain all contents of the tanks and various containers (when full) plus 10% of the total capacity.

CORRECTIVE ACTION DUE DATE: Friday, November 22, 2019

OBSERVATIONS

This inspection was conducted in response to a spill report that was received by the Division on October 16, 2019. Present during the inspection were Daniele Treves and Daniel Penfield (Colorado Stone Quarries, Inc.), and Ben Miller and Katie Todt (Lewicki and Associates). The Division also received a separate, unrelated complaint regarding work occurring within Yule Creek from Crystal Valley Environmental Protection Association on October 21, 2019. Issues presented in the complaint form were also inspected.

The Pride of America Mine is located approximately 2.5 miles south of Marble and accessed from CR3c. The site is a 112c operation that includes a total of 124.1 permitted acres. The Division currently holds a financial warranty amount of \$404,857.00 for this site.

A 112c conversion application (CN-1) was approved by the Division in 2016. Additional acreage was added to the permit area in order to include the Franklin and Jefferson Quarries. In 2018, relocation of the access road and temporary diversion of Yule Creek was approved by the Division through technical revision (TR-5).

A generator and associated diesel fuel storage tanks were recently moved from their previous location within the 110c permit area near the Lincoln Gallery, to a location on Franklin Ridge. The new location was not proposed in CN-1, and therefore has not been approved by the Division. Currently, two double-wall fuel tanks feed a fuel tank located within the generator unit. During the relocation, a vent pipe was installed incorrectly on the generator tank, which led to the fuel pump running continuously and overflowing through the vent. This situation went undiscovered for several days resulting in a diesel spill estimated at 5,500 gallons. Fuel was spilled onto unlined ground and seeped into the unconsolidated material beneath the generator. Although the diesel storage tanks are double walled, which is generally appropriate secondary containment, their connection to each other and the generator create potential for spills. Therefore, the fuel tanks and generator need to be contained within a single secondary containment structure of adequate capacity. The containment structure and fuel storage location shall be addressed through a technical revision to the permit.

Due to the temporary diversion of Yule Creek, Franklin Ridge lies between the spill location and the creek. The ridge is composed of marble and is for the most part impermeable, creating a barrier between the spill and creek. There is potential, however, that diesel can move downhill through unconsolidated material following the abandoned channel of Yule Creek, joining the diverted Yule Creek at the north end of Franklin Ridge. The operator has placed absorbent booms in a sump located at the end of the channel. At the time of this inspection water in the sump appeared clear and did not appear to have the oily sheen typically associated with diesel spills. It is unknown though whether or not diesel has reached the creek. Water samples are to be collected by a third party group, Terracon, and lab analyzed for hydrocarbons. The operator has initiated cleanup efforts to be conducted by Clean Harbors Environmental Services.

Pursuant to Rule 8.2.3, as soon as practicable the operator shall provide a written report to the Division, that includes the following:

1. Actions taken to respond to and correct the effects of the spill.
2. Any known or anticipated adverse impacts to persons or property. This should include information regarding impact to Yule Creek.

3. Monitoring and analyses that are necessary to evaluate the situation and corrective actions along with copies of all pertinent data.
4. Results of the operator's investigation to assess the conditions or circumstances that led to the spill, and what protective measures will be taken to prevent a similar event from occurring in the future.

The letter of complaint from Crystal Valley Environmental Protection Association states concerns regarding work conducted in the Yule Creek drainage. Yule Creek has been diverted into its historic drainage on the east side of Franklin Ridge. This diversion was necessary in order to develop the Franklin Quarry and new access road. The diversion is temporary as approved through TR-5. The operator is currently in the process of armoring the banks and channel of the diverted creek. The work observed during this inspection appeared to be in compliance with plans approved through TR-5 and CN-1. Yule Creek water appeared clear above and below the Franklin Quarry area.

No other problems or violations were noted during this inspection.

Responses to this inspection report should be directed to Dustin Czapla at the Division of Reclamation, Mining and Safety, 1313 Sherman Street Room 215, Denver, Colorado, 80203, phone number (303) 866-3567, ext. 8188.



Figure 1: Generator unit and two associated fuel tanks



Figure 2: Fuel tanks for generator



Figure 3: Generator unit in which leak occurred



Figure 4: Fuel tank with pump located inside generator unit. Vent was initially installed without the extension pipe causing the system to fail



Figure 5: Fuel storage near trailers. Tank on right has been decommissioned due to inadequate secondary containment.



Figure 6: Current cut into Franklin Ridge mining area. Franklin Ridge lies between spill location and diverted Yule Creek



Figure 7: Looking upstream from Yule Creek diversion point



Figure 8: Looking downstream from Yule Creek diversion point



Figure 9: Yule Creek diversion channel



Figure 10: Yule Creek diversion channel



Figure 11: Yule Creek diversion channel



Figure 12: Yule Creek diversion channel

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----- <u>Y</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>PB</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>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>PB</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

Inspection Contact Address

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