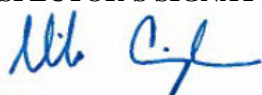


**COLORADO**Division of Reclamation,  
Mining and Safety

Department of Natural Resources

**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> Topaz Mt. Gem Mine	<b>MINE/PROSPECTING ID#:</b> M-2002-003	<b>MINERAL:</b> Gemstones	<b>COUNTY:</b> Park
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Michael A. Cunningham	<b>INSP. DATE:</b> April 10, 2018	<b>INSP. TIME:</b> 10:30
<b>OPERATOR:</b> Glacier Peak Art, Gems & Minerals	<b>OPERATOR REPRESENTATIVE:</b> Joe Dorris	<b>TYPE OF OPERATION:</b> 110(2) - Hard Rock Limited Impact	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> Complete Bond	<b>BOND AMOUNT:</b> \$8,447.00	
<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> June 8, 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>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>NA</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>Y</u>	(ST) STIPULATIONS----- <u>Y</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**

The inspection was conducted by Michael Cunningham of the Division of Reclamation, Mining and Safety (Division). Joe Dorris was present on behalf of Glacier Peak Art, Gems, & Minerals. The Topaz Mt. Gem Mine is located approximately 10 miles northwest of Lake George at 2310 Matukat Rd. (F.S. Rd. 112), in the Pike and San Isabel National Forest. The primary commodity is gemstones, primarily topaz, and the secondary commodity is aggregate. The site is permitted for 4.5 acres and the post-mining land use is rangeland.

The site is operated intermittently, generally less than 180 days per year due to site accessibility. The Operator utilizes both hand tools and mechanized equipment to conduct mining; no equipment was on site at the time of the inspection. The topsoil has been salvaged and stockpiled around the perimeter of the excavation. The onsite processing consists of running the material through a grizzly and a mechanized shaker. The Operator has installed several earthen berms along the west and south sides of the disturbed area. The berms direct stormwater runoff to a small sump where it infiltrates back into the ground. The Division did not see any signs of erosion and did not observe any sediment leaving the site.

The permit sign was posted at the site entrance as required by Rule 3.1.12. On March 13, 2018, the Division received Technical Revision No. 1 (TR01) which addressed the clarification of the permit boundary location. The Mining and Reclamation Plan Maps which were submitted with the original permit application did not adequately depict the location of the permit boundary. During the inspection, the Division verified the boundary markers were in the correct location based on the revised Mining and Reclamation Plan Maps submitted under TR01.

The Operator has affected approximately 2.5 acres of the 4.5 acres which are permitted. The Division currently holds a financial warranty in the amount of \$8,447.00. The last financial warranty increase occurred in 2006. As a part of this inspection, the Division will perform a financial warranty calculation to determine if the financial warranty remains adequate to complete reclamation of the site. Notice of any financial warranty increase will be sent under separate cover.

This concluded the inspection.

### **Inspection Contact Address**

Joe Dorris  
Glacier Peak Art, Gems & Minerals  
2920 Cedar Heights Dr.  
Colorado Springs, CO 80904

CC: Amy Titterington, USFS

## PHOTOGRAPHS



1. Overview of site, photo taken facing south.



2. Overview of site, photo taken facing north.





3. Processing area.



4. Screened material to be used for backfilling.