




**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> Pitch Project	<b>MINE/PROSPECTING ID#:</b> M-1977-004	<b>MINERAL:</b> Uranium	<b>COUNTY:</b> Saguache
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Dustin M. Czapla	<b>INSP. DATE:</b> September 14, 2016	<b>INSP. TIME:</b> 11:00
<b>OPERATOR:</b> Homestake Mining Company	<b>OPERATOR REPRESENTATIVE:</b> Dale Davis	<b>TYPE OF OPERATION:</b> 112d-1 - Designated Mining Operation	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$2,263,000.00	
<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> September 29, 2016	

**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>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>Y</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	(ST) STIPULATIONS----- <u>NA</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 was a routine monitoring inspection. Photographs are included with this report in order to illustrate some of the conditions observed. The site is located approximately six miles east of Sargents in Saguache County and accessed from Marshall Pass Road. The site is in final reclamation with a financial warranty amount of \$2,263,000.00.

Adequate mine identification signage was noted at the entrance to the site.

Access Road: The failed slope along the access road noted during the June 2015 inspection has been repaired and appears stable. The repair disturbance has been seeded but vegetation is not yet established on the slope.

Tie Camp Rock Dump: The slope below the road appears stable and vegetation is becoming well established. No significant erosional features were noted.

Tie Camp Disposal Cell: Slopes appear stable and vegetation is becoming well established. No significant erosional features were noted.

South Pit: Some of the reclamation has been redisturbed in this area to accommodate installation of several injection wells. No problems relating to the injection wells were noted. The reclaimed slopes in the south pit area appear stable and vegetation is becoming well established. No significant erosional features were noted.

North Pit: Slope movement above the North Pit Lake continues to be monitored. A final reclamation/stabilization plan is not yet developed for this area. Efforts are ongoing and progress is being made to control erosion and drainage on the east wall of the north pit where several gullies have formed.

Discharge from the North Pit Lake flows through the valve and culvert as designed. The Pinnacle Portal continues to discharge and flow is measured through a v-notch weir. The discharge reports to a marsh area above the facilities shop building. Cattails and sedges are becoming well established in the marsh area.

Several pieces of equipment were parked in the area near the shop building. The area around the shop building is well kept and orderly. The radium treatment plant has been removed from this area.

Indian Rock Dump: Slopes appear stable and vegetation is becoming well established. No significant erosional features were noted. Two injection wells have been installed at the base of the dump. No problems relating to the injection wells were noted.

Sediment Pond: The sediment pond appears functional and the pond slopes appear stable. A surface filter boom placed at the upper end of the pond is maintained and still in place. No seepage or stability concerns were noted around the dam.

No 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, Grand Junction Field Office, 101 South 3<sup>rd</sup> Street, Room 301, Grand Junction, Colorado 81501, phone number (970) 243-6299.



## PHOTOGRAPHS



Figure 1: Access road repair work



Figure 2: Tie Camp Rock Dump below access road



Figure 3: Tie Camp Rock Dump below access road



Figure 4: Tie Camp Rock Dump above access road



Figure 5: Tie Camp disposal cell



Figure 6: South Pit injection wells





Figure 7: South Pit injection wells



Figure 8: South Pit injection wells



Figure 9: North Pit viewed from the south



Figure 10: North Pit viewed from the north



Figure 11: North Pit northeast wall



Figure 12: North Pit lake discharge and marsh area





Figure 13: Shop facility below North Pit



Figure 14: Indian Rock Dump



Figure 15: Indian Rock Dump



Figure 16: Indian Rock Dump



Figure 7: Injection wells at base of Indian Rock Dump



Figure 8: Sediment Pond





Figure 9: Sediment Pond



Figure 10: Sediment Pond

**Inspection Contact Address**

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