




**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> Sunday Mine	<b>MINE/PROSPECTING ID#:</b> M-1977-285	<b>MINERAL:</b> Uranium and vanadium	<b>COUNTY:</b> San Miguel
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Lucas West	<b>INSP. DATE:</b> February 11, 2020	<b>INSP. TIME:</b> 09:52
<b>OPERATOR:</b> Pinon Ridge Mining LLC	<b>OPERATOR REPRESENTATIVE:</b> Michael Rutter	<b>TYPE OF OPERATION:</b> 112d-2 - Designated Mining Operation	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> Complete Bond	<b>BOND AMOUNT:</b> \$330,242.00	
<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> February 27, 2020	

**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>N</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</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>Y</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>N</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**

This inspection was conducted in response to the Operator's written notification that construction of the Lined Ore Pad as approved as Environmental Protection Facilities through the Environmental Protection Plan was beginning. This inspection was conducted to document the progress of construction as well as serve as monitor site conditions prior to the upcoming enforcement hearing. A Notice of Hearing document was sent to the Operator on February 4, 2020. The Sunday Mine is a 112d that consists of 60 permitted acres and a maximum disturbance of 40 acres. The site is currently in Temporary Cessation, the first term of Temporary Cessation expires on April 19, 2020. The remote vent shaft sites for all five permitted mines within the Sunday Mine Complex were not inspected at this time. The Division Currently holds \$330,242.00 in Financial Warranty for the site. A reclamation cost estimate was performed to include the reclamation of the lined ore pads. Staff calculations found that the currently held Financial Warranty is sufficient to achieve reclamation in accordance with the Act, Rules and Regulations and the approved Reclamation Plan. Please note that at this time the Operator is not permitted to place ore materials on the lined ore pad. At such time as that activity is approved the Reclamation Cost Estimate will need to be updated to reflect that activity. In addition to the Operator representative listed on page one of this report, James Blair and Laura Hartman of the Bureau of Land Management (BLM) was present during the inspection. Eight Photos accompany this report to illustrate the current conditions of the site

As seen in Photo One, the permit ID sign was observed at the entrance to the site. The permit boundary markers were also observed. Photos Two and Three shows an example of the sediment catchment basins that are located on site as part of the storm water management plan. All storm water control devices were in good condition and appear to be functioning as designed. All diversion ditches appear to be functioning as designed and no significant erosion was observed throughout of the site. Significant work had been performed recently which included cleaning out sediment ponds and ditches. The waste rock dumps and out slopes of all constructed faces were observed and appear to be stable. The portal on site remains secure and shows no signs of attempted unauthorized entry. The earthen backfill and locked steel gate are in good condition. The portal and its enclosure can be seen in Photo Four. All work facilities were secure and seemed to be in good condition during the time of the inspection. Repair work to the shop facilities and buildings has been completed. Examples of the work facilities can be seen in Photos Five and Six. Vent shaft S-2, located to the Northwest of the shop facilities is covered with a steel grate and has been secured. All loadouts, roads and pad areas that exist on site were observed and in good condition.

Construction of the lined ore pad was being conducted on site at the time of the inspection. The progress of the pad can be seen in Photos Seven and Eight. The pad design depicts an 80' X 80' pad, lined with 30 Mil PVC and an "operational soils" layer between the liner and the stockpiled ore. The design also specifies the thickness of each layer, compaction of the underlayment and the installation of a "witness layer" within the Operational Soils layer to prevent possible damage to the liner. At the time of the inspection the underlayment of the pad design was being constructed in preparation for the delivery and installation of the PVC Liner. The main pad area has been graded and was actively being compacted in accordance with the specifications designated in the EPP. The anchor trench around the entire perimeter of the pad has been constructed. All elements of the pad including the location, dimensions and compaction specifications are in compliance with the design contained within the EPP. All material for the construction of the underlayment were obtained on site from the waste rock piles, screened for size and stockpiled on site. The field QA/QC checks and certified as built report will need to be submitted to the Division for review and approval upon

completion of construction.

The overall footprint of the site was in good condition, and free from excessive trash or debris. No significant signs of settling, slumping or erosion were noted on site and no State Listed Noxious Weeds were observed. All responses to this report should be directed to Lucas West at the Colorado Division of Reclamation, Mining and Safety at 1313 Sherman Street, Room 215, Denver CO, 80203, by phone at (303) 866-3567 Ext. 8187 or by email at lucas.west@state.co.us.

**Inspection Contact Address**

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CC: James Blair, Bureau of Land Management  
Travis Marshall, Senior Environmental Protection Specialist  
Russ Means, Active Mines Program Director (Minerals)  
Jeff Fugate, DRMS Minerals AGO Counsel

**PHOTOGRAPHS**



Photo One: View south, showing the proper Mine ID signage posted on the gate to the site.



Photo Two: View Southeast, showing one of the sediment catchment basins located on site. The upland diversion ditch reports to the basin to prevent run on of storm water from adjacent undisturbed lands.





Photo Three: View east, showing the sediment ditch along the toe of the waste rock stock-pile the ditch leads to a catchment basin to prevent any potentially contaminated storm water runoff from migrating offsite.



Photo Four: View southwest, showing the secured portal located on site. The portal contains internal gates which have been closed, locked and then the portal was backfilled with the external gates having been locked. The portal shows no signs of attempted unauthorized entry and is in good condition.





Photo Five: View northeast showing one of the three shop structures located on site. The repair work to all shop structures has been completed to repair previous damage from vandals.



Photo Six: View South showing another one of the shop structures located on site. All structures are in good condition and all repairs including roof replacement has been completed.



