



**COLORADO**  
Division of Reclamation,  
Mining and Safety  
Department of Natural Resources

**PERMIT INFORMATION**

<b>Permit Number:</b> C-1981-018 <b>Mine Name:</b> Deserado Mine <b>Operator:</b> Blue Mountain Energy, Inc. <b>Operator Address:</b> Mr. Kurtis Blunt 3607 County Road 65 Rangely, CO, 81648	<b>County:</b> Moffat, Rio Blanco <b>Operation Type:</b> Underground <b>Permit Status:</b> Active <b>Ownership:</b> Private
	<b>Operator Representative Present:</b>  NA
<b>Operator Representative Signature:</b> (Field Issuance Only)  	

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> January 11, 2021 <b>Inspection Start Time:</b> 10:00 <b>Inspection End Date:</b> January 11, 2021 <b>Inspection End Time:</b> 10:05		<b>Inspection Type:</b> Aerial Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Clear	
<b>Joint Inspection Agency:</b>  None		<b>Joint Inspection Contacts:</b>  None	
<b>Post Inspection Agency:</b>  None		<b>Post Inspection Contacts:</b>  None	
<b>Inspector(s):</b>  Clayton Wein  Brock Bowles	<b>Inspector's Signature:</b>  <i>Clayton Wein</i>		<b>Signature Date:</b>  1/14/2021

**Inspection Topic Summary**

NOTE: Y=Inspected N=Not Inspected R=Comments Noted V=Violation Issued NA=Not Applicable

N - Air Resource Protection

N - Availability of Records

Y - Backfill &amp; Grading

N - Excess Spoil and Dev. Waste

N - Explosives

N - Fish &amp; Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

N - Other

R - Processing Waste

R - Roads

Y - Reclamation Success

N - Revegetation

N - Subsidence

N - Slides and Other Damage

R - Support Facilities On-site

N - Signs and Markers

N - Support Facilities Not On-site

N - Special Categories Of Mining

R - Topsoil

**COMMENTS**

This was an aerial inspection of the Deserado Mine conducted on Monday January 11, 2021. The photos were taken by Brock Bowles of the Division and this report was written by Clayton Wein of the Division. The weather was clear and the ground at the mine site was covered with snow.

**HYDROLOGIC BALANCE - Rule 4.05**

Drainage Control 4.05.1, 4.05.2, 4.05.3; Siltation Structures 4.05.5, 4.05.6; Discharge Structures 4.05.7, 4.05.10; Diversions 4.05.4; Effluent Limits 4.05.2; Ground Water Monitoring 4.05.13; Surface Water Monitoring 4.05.13; Drainage – Acid and Toxic Materials 4.05.8; Impoundments 4.05.6, 4.05.9; Stream Buffer Zones 4.05.18:

There are three ponds located at the main facilities area. The DP-1 Pond is located at the south end of the lower facilities bench. The pond receives water from the entire main facilities area. The Pond was holding water during the inspection. The water was frozen over and covered with snow. The embankment was completely covered in snow. There were no indications of erosion or instability. The PP-1 Pond is located in the center of the middle facilities bench. The water in the pond was frozen over and covered with snow. The embankment was stable and snow covered. No erosional features were identified. The PP-2 Pond is located at the northwest portion of the upper facilities bench. The water in the pond was frozen and covered with snow. The embankment was snow covered during the inspection. There were no erosional concerns identified or indications of instability observed.

There is one pond located on the east end of the RP-A refuse area (Photo 1). The pond did not appear to be impounding water below the snow. The embankment was also covered with snow. There were no indications of instability or erosion.

All 15 cells of the B Seam No. 1 Dewatering System were holding water (Photo 2). Only the first two cells in the system were not frozen or snow covered. The remaining cells were covered with ice and snow. The embankments were snow covered and stable. No erosional features were observed.

Two ponds are located to the north of the Slot Storage. The SS-1 pond did not appear to have water impounded in it. The pond was covered with snow. The embankment was stable and snow covered. There were no erosional

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concerns. The SS-2 pond did not have any water impounded in it. The bottom of the pond was covered with snow. The embankment was stable and covered in snow. No indications of erosion were observed.

The B Seam No. 2 Dewatering System was inactive during the inspection. Only the first two of the three cells are currently used for dewatering operations. Both of the cells were covered with snow. It was not clear if there was frozen water beneath the snow. The embankments for the cells were snow covered and stable. No erosional features were identified.

One Sump, RS-1, and one pond, RR-1, are located on the south side of the rail loadout. The sump was completely covered in snow. The embankments were stable with no indications of erosion. RR-1 was not holding any water. The bottom of the pond was covered with snow. The embankment was stable and snow covered. No erosional features were observed.

Three ponds; RP-2/3, RP-4 (Photo 3) and RP-5, are located at the northern bases of the RP-2/3/4 and RP-5a refuse piles. All of the ponds were observed to be covered with snow. The embankments of the ponds were stable and no erosional concerns were identified.

The RP-1 Pond is located at the northern base of the reclaimed RP-1 refuse pile. The pond was not holding any water during the inspection. The bottom of the pond was covered with snow. The embankment was snow covered and stable. There were no erosional features identified.

The Raw Water Lagoon is located at the southern portion of the permit boundary. The pond was holding water during the inspection. The water was frozen over and covered with snow. The embankments were stable and covered with snow. There were no observed erosional concerns.

#### PROCESSING WASTE/COAL MINE WASTE PILES – Rule 4.10 and 4.11

##### Drainage Control; Surface Stabilization; Placement:

During the inspection the RP-2/3/4 refuse pile was covered with snow. There were some piles of refuse stockpiled on top of the eastern portion of the pile. The stockpiles were also covered with snow. No activity had occurred at the pile since the snow accumulated on it. The slopes of the pile were also covered with snow. There were no indications of erosional features.

The RP-5a refuse pile was covered with snow. There was no material observed to be stockpiled on the top. The embankments were covered in snow. No indications of erosion were observed.

The RP-A refuse pile was partly covered with snow (Photo 4). The northern portion of the pile was observed to be exposed. Refuse appeared to be stockpiled on the northeast corner. The site was stable and there were no concerns of erosion identified.

#### ROADS – Rule 4.03

Construction 4.03.1(3)/4.03.2(3), Drainage 4.03.1(4)/4.03.2(4), Surfacing and Maintenance 4.03.1(5) and (6)/4.03.2(5) and (6), Reclamation 4.03.1(7)/4.03.2(7):

The haul road was clear of snow and in good repair. There were no portions of the road with erosional features or indications of instability. Access roads throughout the mine site were covered in snow. There were no indications of erosional features or signs of instability observed.

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**SUPPORT FACILITIES - Rule 4.04:**

Support facilities inspected included:

- Portals Facility Area
- Fuel Storage Area (Photo 5)
- Explosives Storage Area
- Conveyor Corridor
- RDH-4 (Photo 6)
- Slot Storage (Photo 7)
- Nitrogen Plant No. 2
- Water Storage Tanks
- Radio Tower
- West Mains Vent Shaft

Support facilities at the mine site were observed to be covered with snow. The pads for the facilities were stable and no erosional features were observed.

**TOPSOIL – Rule 4.06**

Removal 4.06.2; Substitute Materials 4.06.4(4); Storage and Protection 4.06.3; Redistribution 4.06.4:

The topsoil pile for the main facilities area was covered in snow. There were no indications of erosion or instability at the site.

The topsoil piles for the refuse disposal area were observed to be in good condition. The piles were covered with snow. No erosional features or signs of instability were observed.

Topsoil piles associated with the haul road were covered with snow. The piles were stable with no indications of erosion.

**DOCUMENTS RECEIVED: None**

**OTHER (SPECIFY): None**

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**ENFORCEMENT ACTIONS/COMPLIANCE**

No enforcement actions were initiated as a result of this inspection, nor are any pending.

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## **PHOTOGRAPHS**



**Photo 1:** The RP-A refuse pile pond covered with snow.



**Photo 2:** The B Seam No. 1 Dewatering System.

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**Photo 3:** The snow covered RP-4 Pond.



**Photo 4:** The RP-A Refuse Pile.

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**Photo 5:** The fuel storage area.



**Photo 6:** The RDH-4 Support Facility.

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**Photo 7:** The Slot Storage Facility.

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