



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Inspection Report

Permit Number:	C0150018
Inspection Type:	PARTIAL
Inspection Date:	Thursday, November 8, 2018
Start Date/Time:	11/8/2018 8:00:00 AM
End Date/Time:	11/8/2018 2:00:00 PM
Last Inspection:	

Representatives Present During the Inspection:	
OGM	Keenan Storrar
Company	Chuck Semborski
Company	Kenneth Fleck

Inspector: Keenan Storrar

Weather: Sunny, 12 F

InspectionID Report Number: 6295

Accepted by: DHADDOCK

11/21/2018

Permitee: **PACIFICORP**
 Operator: **INTERWEST MINING CO**
 Site: **DEER CREEK MINE**
 Address: **PO BOX 310, HUNTINGTON UT 84528**
 County: **EMERY**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **ACTIVE**

Current Acreages

20,308.10	Total Permitted
91.63	Total Disturbed
0.60	Phase I
0.60	Phase II
0.60	Phase III

Mineral Ownership

- Federal
- State
- County
- Fee
- Other

Types of Operations

- Underground
- Surface
- Loadout
- Processing
- Reprocessing

Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

The Division conducted an inspection of multiple springs on East Mountain proposed to be released from the water monitoring program in Task #5770 'Reduce Hydrologic Monitoring Sites'. The temperature was below freezing making it easier to see the frozen paths of low flow spring seeps, while high flow springs were still running water. Observed flow paths and flowing water were solely from spring discharge and not snow melt because it was 12 degrees Fahrenheit. The area last received snow in mid-October. Dense trees and north aspects still held snow while the other aspects were mostly bare.

Inspector's Signature:

Date Tuesday, November 20, 2018

Keenan Storrar,

Inspector ID Number: 71

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining. telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov



REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS

1. Substantiate the elements on this inspection by checking the appropriate performance standard.
 - a. For COMPLETE inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check Not Applicable.
 - b. For PARTIAL inspections check only the elements evaluated.
2. Document any noncompliance situation by reference the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Divison Orders, and amendments.

	Evaluated	Not Applicable	Comment	Enforcement
1. Permits, Change, Transfer, Renewal, Sale	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4.d Hydrologic Balance: Water Monitoring

I inspected ten spring monitoring sites:

SPI-29: Spring discharge forms a small pool indicating the presence of flow (Photo 1). It is located just below the reclaimed road built during the Crandall Canyon mine disaster relief efforts.

SPI-42: Spring site was full with ponded water (Photo 2). The berm had recently been worked on possibly during Trail Mountain fire suppression operations.

MF-217 and MF-218: Frozen seeps were spread across the surface and converged at the culvert flowing under the road (Photo 3).

MF-219: Forest Service road appears to cut through source of spring (Photo 4). Spring flowing at the time of the inspection.

SPI-26: Also known as 'Bath Tub' spring. Discharges at three sources across hillslope (Photo 5). Flow measurements taken at two locations and summed for total discharge.

MF-10: Spring was discharging at a rate of ~4 gpm.

EM-Pond: Pooled water present at time of inspection and with frozen flow paths running into pond.

EM-216: Spring barely discharging to form damp area.

UJV-213: Spring dry. Contributing source area is an exposed west aspect, the driest of all aspects on the mountain. This is likely the reason the spring is dry much of the time.

<p>ATTACHMENT A – Photos November 8, 2018 site visit</p>	
	
<p>PHOTO 1 Spring site SPI-29, small pool of frozen spring discharge November 8, 2018</p>	<p>PHOTO 2 Spring site SPI-42 November 8, 2018</p>
	
<p>PHOTO 3 Spring sites MF-217 and MF-218 discharge below FS road November 8, 2018</p>	<p>PHOTO 4 Spring site MF-219 below FS road November 8, 2018</p>

ATTACHMENT A – Photos November 8, 2018 site visit

	
<p>PHOTO 5 Spring site SPI-26, discharge measured at two locations November 8, 2018</p>	<p>PHOTO 6 Spring site MF-10 flowing at a rate of ~4 gpm November 8, 2018</p>
	
<p>PHOTO 7 Spring site EM-Pond, berm worked on during fire suppression efforts November 8, 2018</p>	<p>PHOTO 8 Spring site EM-216 discharging to form damp area November 8, 2018</p>

ATTACHMENT A – Photos November 8, 2018 site visit



PHOTO 9

Spring site UJV-213 dry.
November 8, 2018