



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:	COMPLETE
Inspection Date:	Tuesday, August 27, 2019
Start Date/Time:	8/27/2019 9:00:00 AM
End Date/Time:	8/27/2019 12:00:00 PM
Last Inspection:	Thursday, July 11, 2019

Representatives Present During the Inspection:
OGM Karl Houskeeper

Inspector: Karl Houskeeper,

Weather: Clear Skies, Temp. 65 Deg. F.

InspectionID Report Number: 6509

Accepted by: SCHRISTE

9/10/2019

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

20,276.18	Total Permitted
57.38	Total Disturbed
2.93	Phase I
2.93	Phase II
2.93	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:

Pictures of the reclaimer Rilda Facilities, AML Helo Fire Area and the active reclamation of the Deer Creek Facility area were taken and are attached to the PDF version of this complete inspection report.

Karl R. Houskeeper

Inspector's Signature:

Date Tuesday, August 27, 2019

Karl Houskeeper,
Inspector ID Number: 49

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 checked="" type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22. Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. Permits, Change, Transfer, Renewal, Sale

Division of Oil, Gas & Mining Permit C/015/0018 issued February 7, 2016 and expires February 7, 2021.

UPDES Permit Ut0023604 effective February 1, 2015 and expires at midnight on January 31, 2020.

SPCC Plan is dated June 2016. The spill plan is P.E. dated, stamped and signed by a registered P.E. in the State of Utah.

Air Quality Permit DAQE-AN0239003-02 issued on June 14, 2002 still remains effective for the mine site.

The current bond is \$3,374,000.

Insurance coverage is through Associated Electric and Gas Insurance Service LTD. The insurance is effective 08/15/2019 and expires 08/15/2020. Minimum required insurance coverage amounts have been met. The certificate holder is The State of Utah. The cancelation clause is in accordance with Division policy. The insurance coverage includes explosion coverage.

Reclamation agreement is covered with Bond # 103908970. Signed by both parties July 25, 2005.

Business License through Huntington City. License #3489 issued 1/1/19 and expires 12/31/19.

2. Signs and Markers

The identification sign at the mine site and Rilda Facility area are in place. Pictures attached to PDF version of inspection report.

3. Topsoil

Topsoil storage areas have been and are being used in the reclamation of Rilda and Deer Creek sites.

4.a Hydrologic Balance: Diversions

Operational diversions have been or are being removed and replaced with designed reclamation diversions as needed.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The sediment pond at Rilda has been removed and reclaimed. The Deer Creek sediment pond is currently still in place, but is scheduled to be removed and reclaimed as the last feature of the reclamation of Deer Creek Facilities.

5. Explosives

A blast was scheduled to take place later in the afternoon on the day of the complete inspection. Blasting information was requested and received on Tuesday September 3, 2019 from Dennis Oakley (included in the PDF version of this inspection report). Additional information was requested at this time, the certification of the blaster Ruben Ruiz through the Division of Oil, Gas and Mining. Further communication provided the following information. Ruben Ruiz is not a certified blaster through the Division of Oil, Gas and Mining. He works for 3-Rivers Drilling and Blasting and is a blaster trainee for them. A certified blaster was not on site at the time of the blast. The permittee did not follow the R645-301-524 rules or their approved MRP page7 and Appendix VI. Two NOV's were issued on 9/16/2019. Nov #21219 and 21220.

7. Coal Mine Waste, Refuse Piles, Impoundments

The main refuse pile down canyon from the Deer Creek mine was sold to Rhino. The two older abandoned refuse piles on site have been reconfigured, pushed against the hillsides, recovered with subsoil and topsoil and then seeded as part of the reclamation.

13. Revegetation

Once an area is reclaimed during the reclamation activities it is immediately seeded and mulched.

20. Air Quality Permit

Air Quality Permit DAQE-AN0239003-02 issued on June 14, 2002 still remains effective for the mine site.

21. Bonding and Insurance

The current bond is \$3,374,000.



Rilda Reclamation



Rilda Reclamation



AML Helco Fire Area

**DEER CREEK MINE
RILDA PORTAL FACILITY**

DOG M MINE PERMIT NO.: C/015/0018

OWNER/OPERATOR:

PACIFICORP
C/O INTERWEST MINING COMPANY
P.O. BOX 310
15 NORTH MAIN STREET
HUNTINGTON, UTAH 84528
435-657-9821

MSHA ID NO.: 42-00121

0%

0%

M

Identification Sign



Rilda Reclamation



Rilda Reclamation



Rilda Reclamation



Rilda Reclamation

DEER CREEK MINE

OWNER/OPERATOR:

PACIFICORP
C/O INTERWEST MINING COMPANY
HUNTINGTON OFFICE
P.O. BOX 310
HUNTINGTON, UTAH 84528
435-687-9821

DOG M PERMIT NUMBER: C/015/0018
RECLAMATION DATE:

Identification Sign



Deer Creek Reclamation



Deer Creek Reclamation



Deer Creek Reclamation



Deer Creek Reclamation



Deer Creek Reclamation



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Deer Creek Reclamation



Customer		Seismograph MiniMate Plus		Conditions		
Company Name	Nelco	Unit Number	be11547	Wind Direction	west	
Job Name/Location	Deer Creek	Date Calibrated	08/18/18	Wind Conditions	0-5mph	
Blaster in Charge	Ruben Ruiz	Distance From Shot	See GPS	Weather	clear	
Bulk Truck Operator	n/a	Peak Particle Velocity		Type of Rock	hard	
Date of Shot	08/27/19	Peak Sound Pressure		Temperature	85°F	
Blast Time	1pm					
Shot Number	1					
Loading Information						
	Area 1	Area 2	Area 3	Area 4		
Number of Holes	48.00					
Decks Per Hole	0.00					
Hole Diameter	3.50					
Stemming	7.00					
Burden	10.00					
Spacing	10.00					
Avg Hole Depth	17.34					
Total BCY's	3,082.67	0.00	0.00	0.00	3,082.67	
Drill Footage	832.32	0.00	0.00	0.00	832.32	
Trench Footage					0.00	
Totals						
Explosives						
Primers - (Each)	lbs each	Number Used	Date Code	Detonators and Caps	Number Used	Date Code
225 enaex boosters	0.50	55.00	b111018c1t	15m davey quick	56.00	ap19
Total LBS		27.50				
Explosives						
Blasting Agent or Explosives	lbs each	Number Used	Date Code	Surface Delays	Number Used	Date Code
AN	1.00		N/A	12m 42ms davey nel	12	se17
DIESEL FUEL	7.00		N/A			
ANFO BAGS - 50 lb	50.00	25.00	15jy1914e			
	50.00					
Total LBS		1,250.00				
Wet Hole Product	lbs each	Number Used	Date Code			
Total LBS						
Totals						
Total BCY's	3,082.67			Total Dets	56.00	
Powder Factor	0.41			Total Pounds in Shot	1,277.50	
Secondary Yardage	0.00			Max. Holes per Delay	1.00	
Gross Cubic Yards	3,082.67			Max Charge per 8 ms Delay in Lbs	36.60	
Distance and direction from nearest hole to closest structure:						
blaster in charge and employees on shot: Ruben Ruiz, Jim Richardson, Jodi Cox						
				Blaster's Signature	Ruben Ruiz	
				Date of Report:	08/28/19	
7 double primes, 5 dead holes colapsed off edge						
Second Seismograph						
Unit Number						
Date Calibrated						
Distance from shot						
Peak Partical Velocity						
Peak sound pressure						

Date/Time Long at 14:59:34 August 27, 2019
Trigger Source Geo: 0.020 in/s
Range Geo: 10.000 in/s
Record Time 5.0 sec at 1024 sps
Job Number: 1

Serial Number BE11547 V 10.72-1.1 Minimate Blaster
Battery Level 6.1 Volts
Unit Calibration August 31, 2018 by InstanTel
File Name _TEMP.EVT

Notes

Client: deer creek
 Project: delco
 Location: 39.36159 ; -111.010943
 User: Ruben Ruiz

Extended Notes

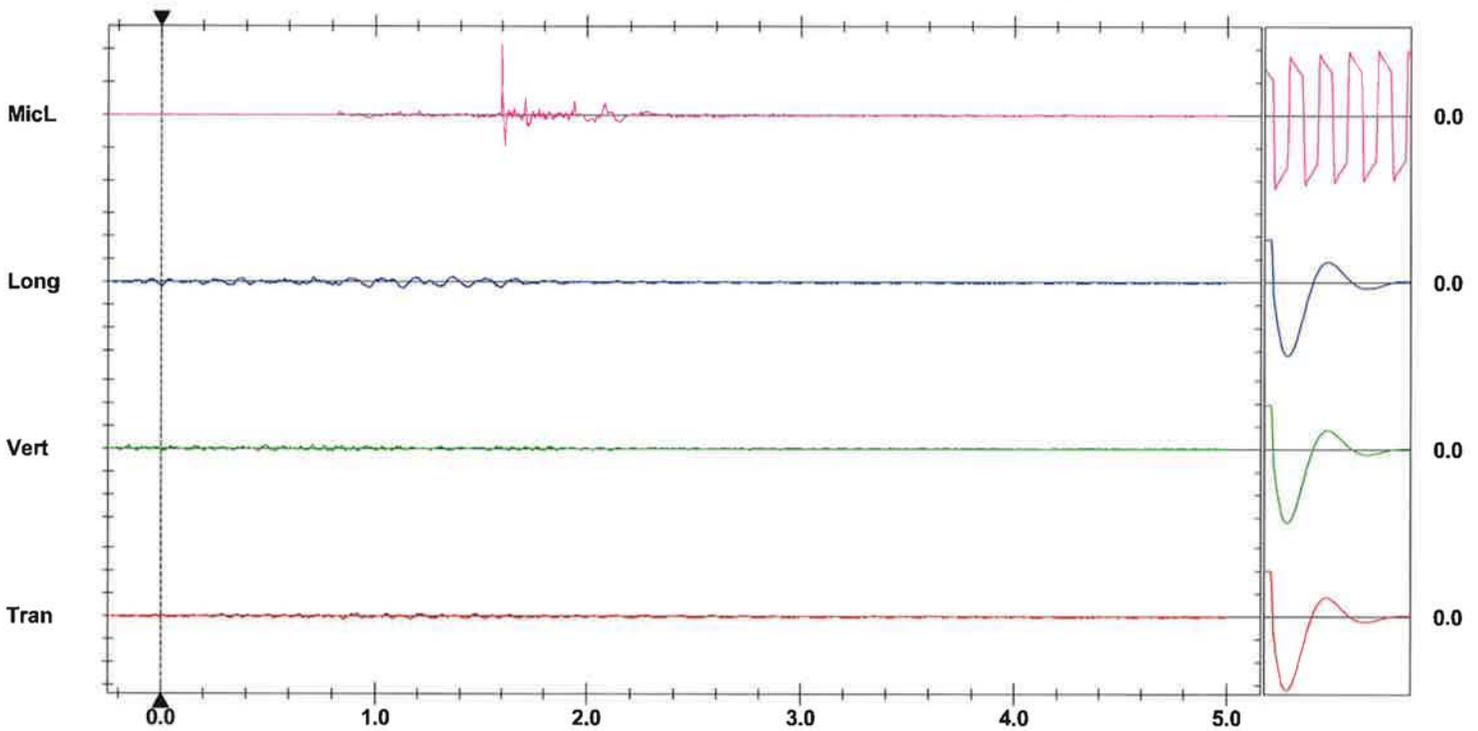
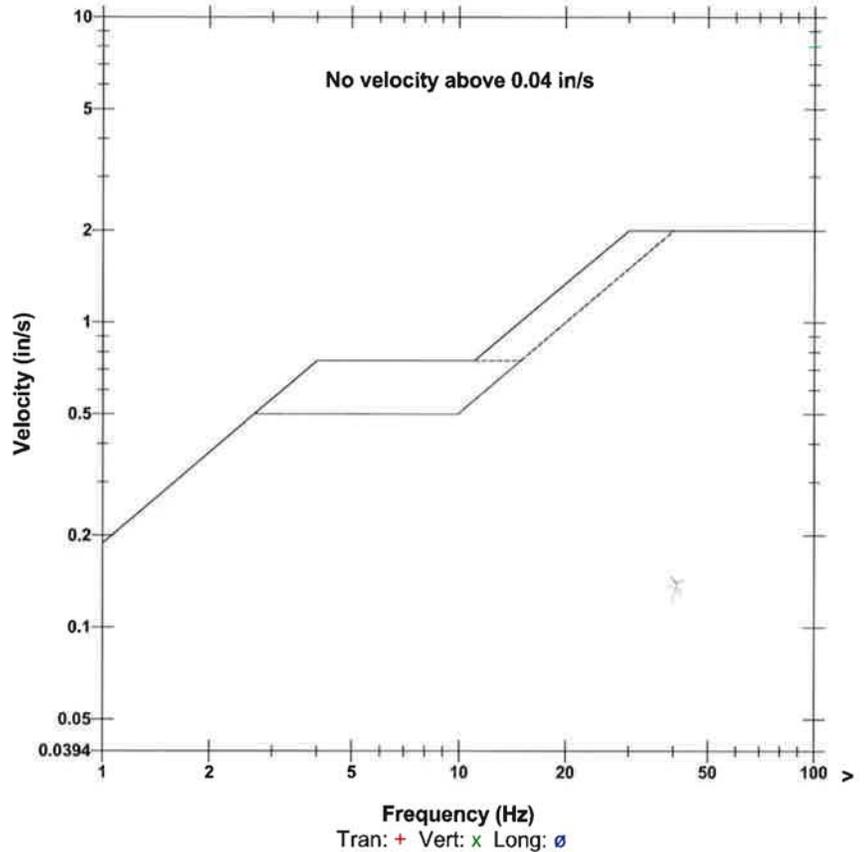
Blast GPS Coordinates:
 39.35790 ; -111.11293
 39.35785 ; -111.11272

Microphone Linear Weighting
PSPL 131.4 dB(L) at 1.599 sec
ZC Freq 16 Hz
Channel Test Passed (Freq = 20.1 Hz Amp = 508 mv)

	Tran	Vert	Long	
PPV	0.015	0.020	0.030	in/s
ZC Freq	30	28	9.7	Hz
Time (Rel. to Trig)	0.851	0.711	1.130	sec
Peak Acceleration	0.013	0.013	0.013	g
Peak Displacement	0.000	0.000	0.000	in
Sensor Check	Passed	Passed	Passed	
Frequency	7.7	7.5	7.5	Hz
Overswing Ratio	3.9	3.9	3.6	

Peak Vector Sum 0.030 in/s at 1.130 sec

USBM RI8507 And OSMRE



Time Scale: 0.20 sec/div Amplitude Scale: Geo: 0.100 in/s/div Mic: 0.005 psi(L)/div
 Trigger =

Sensor Check