



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:	C0150019
Inspection Type:	COMPLETE
Inspection Date:	Tuesday, December 19, 2017
Start Date/Time:	12/19/2017 9:00:00 AM
End Date/Time:	12/19/2017 2:30:00 PM
Last Inspection:	Wednesday, November 08, 2017

Representatives Present During the Inspection:	
OGM	Keenan Storrar
Company	Dennis Oakley

Inspector: Keenan Storrar
 Weather: Sunny, 45 F
 InspectionID Report Number: 6045
 Accepted by:

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

Current Acreages		Mineral Ownership	Types of Operations
4,092.00	Total Permitted	<input checked="" type="checkbox"/> Federal	<input checked="" type="checkbox"/> Underground
27.83	Total Disturbed	<input type="checkbox"/> State	<input type="checkbox"/> Surface
21.30	Phase I	<input type="checkbox"/> County	<input type="checkbox"/> Loadout
21.30	Phase II	<input checked="" type="checkbox"/> Fee	<input type="checkbox"/> Processing
21.30	Phase III	<input type="checkbox"/> Other	<input type="checkbox"/> Reprocessing

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

The Cottonwood mine site is actively being reclaimed. W.W. Clyde is making significant progress working at the site late into the year. The top of the Left Fork of Grimes wash has been fully reclaimed. The hillslopes have been pocked, seeded, and hydromulched and the channel has been rippedrapped for a few hundred feet. Two side channels draining to the main channel have also been rippedrapped.

Inspector's Signature:

Keenan Storrar,
 Inspector ID Number: 71

Date Friday, December 22, 2017



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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input 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 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 checked="" 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 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4.a Hydrologic Balance: Diversions

Diversions are in place and adequately maintained to prevent offsite impacts due to sediment erosion.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The North Pond contained a couple feet of water.

12. Backfilling And Grading

The hillslope above the confluence of the Left and Right forks that will form a point was being backfilled and compacted in lifts. A wheel front end loader and D8 dozer were placing and pushing material into place in roughly one foot lifts. The lifts were then being compacted with a sheepsfoot roller to the specified 90% compaction. RB&G Engineering had personnel on site testing the compaction of each lift (Photos 3 & 4).

13. Revegetation

Reclaimed hillslopes are being reseeded and hydromulched (Photos 8, 12, 13). Hay is being applied and worked into the soil as the area is pocked. The top four feet of the soil is being tested. Multiple test pits were still open after being sampled (Photo 14).

21. Bonding and Insurance

The mine has adequate Liability Insurance. The period of coverage began on 08/15/2017 and ends 08/15/2018.

The mine holds a reclamation bond in the amount of \$2,365,895.

<p>ATTACHMENT A – December 19, 2017 site visit</p>	
	<p>PHOTO 1 North pond with a few feet of water. December 19, 2017</p>
	<p>PHOTO 2 Backfilling operations in Left fork of Grimes wash. December 19, 2017</p>
	<p>PHOTO 3 Sheepsfoot compacting lifts. December 19, 2017</p>
	<p>PHOTO 4 Building hillside in lifts where the two forks of the reclaimed channels will join. December 19, 2017</p>

ATTACHMENT A – December 19, 2017 site visit

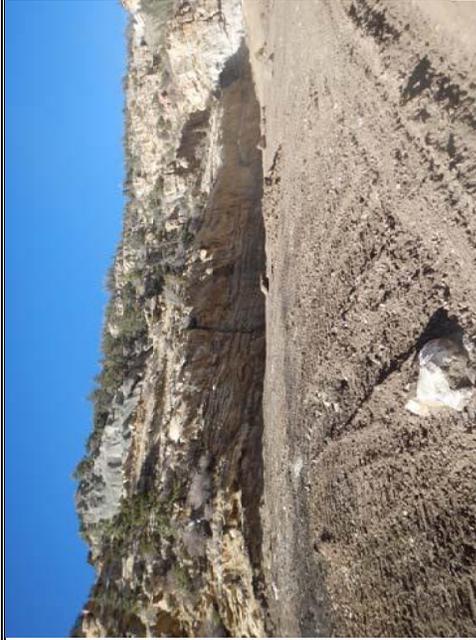


PHOTO 5

Backfilled hillslope prior to pocking.
December 19, 2017

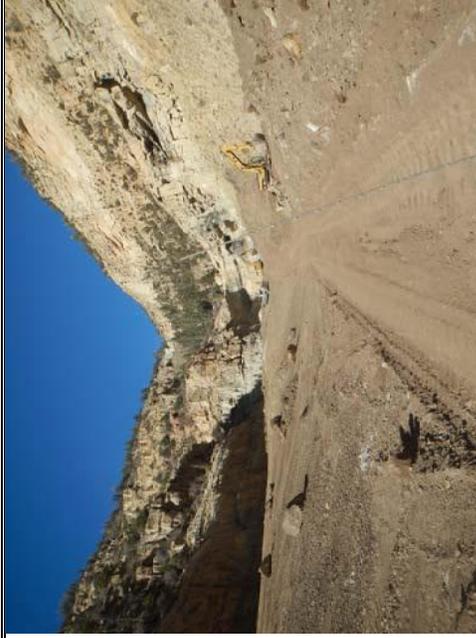


PHOTO 6

Backfilled hillslope and channel prior to pocking and ripping.
December 19, 2017



PHOTO 7

Excavator ripping main left fork channel.
December 19, 2017



PHOTO 8

Skyline Reclamation Inc. hand seeding pocked hillslope.
December 19, 2017

ATTACHMENT A – December 19, 2017 site visit



PHOTO 9
Head of reclaimed Left Fork channel.
December 19, 2017



PHOTO 10
Upper reclaimed section of Left Fork channel.
December 19, 2017



PHOTO 11
Reclaimed area in upper Left Fork Grimes wash
December 19, 2017

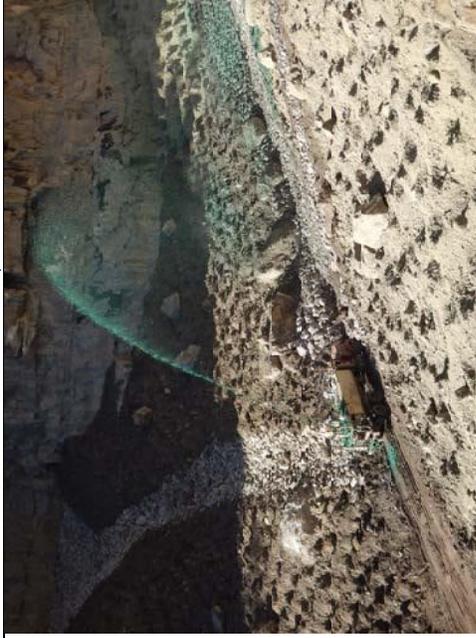


PHOTO 12
Skyline Reclamation Inc. applying hydromulch.
December 19, 2017

ATTACHMENT A – December 19, 2017 site visit

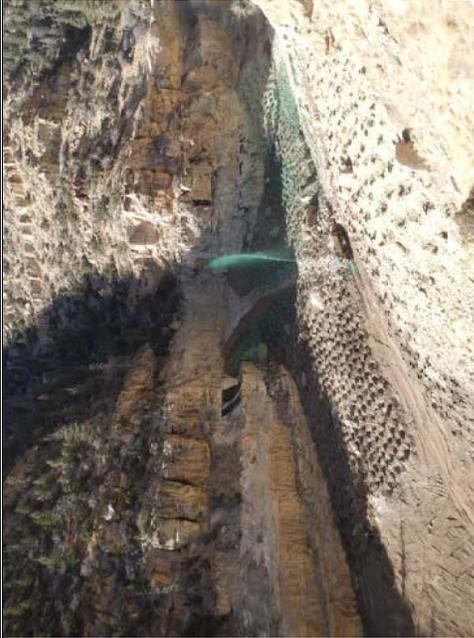


PHOTO 13

Applying hydromulch to reclaimed hillslopes.
December 19, 2017



PHOTO 14

Soil test pit
December 19, 2017