



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:	BOND RELEASE
Inspection Date:	Wednesday, April 17, 2019
Start Date/Time:	4/17/2019 8:00:00 AM
End Date/Time:	4/17/2019 1:00:00 PM
Last Inspection:	Wednesday, March 27, 2019

Representatives Present During the Inspection:	
OGM	Justin Eatchel
OGM	Steve Christensen
OGM	Priscilla Burton
Company	Dennis Oakley
Company	Kenneth Fleck
OSM	Christine Belka
OSM	Alexis Long
Company	Chuck Semborski
OGM	Keenan Storrar

Inspector: Keenan Storrar

Weather: Sunny, 65 F

InspectionID Report Number: 6398

Accepted by: SCHRISTE
4/29/2019

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

4,092.00	Total Permitted
29.37	Total Disturbed
21.30	Phase I
21.30	Phase II
21.30	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 a Phase I Bond Release Inspection for the Cottonwood/Wilberg mine on April 17, 2019. The four sites associated with the Cottonwood/Wilberg permit were visited to ensure proper backfilling and grading of the disturbed areas. The four sites include the TMA and Belt Portal Area in Cottonwood Canyon, the Rock and Soil Storage Area, the Leach Field, and the Cottonwood/Wilberg Mine site. The total reclaimed acreage of 29.37 acres meets the State of Utah R645 requirements to receive Phase I Bond Release.

Those in attendance at the bond release inspection included Chuck Semborski, Ken Fleck, and Dennis Oakley of PacifiCorp, Christine Belka and Alexis Long of OSMRE, Jay Humphrey of EWCD, Ray Petersen of Emery County, and Jeff Salow and William Otto of the USFS.

Inspector's Signature:

Keenan Storrar,

Inspector ID Number: 71

Date

Friday, April 19, 2019



Permit Number: C0150019
Inspection Type: BOND RELEASE
Inspection Date: Wednesday, April 17, 2019

Inspection Continuation Sheet

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input checked="" 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 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 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 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"/>

1. Permits, Change, Transfer, Renewal, Sale

The permittee is applying for Phase I Bond Release for the 29.37 disturbed acres associated with the mine. The application is assigned Task #5869. The permittee submitted a copy of the advertisement placed with the local news publication www.etvnews.com. The notice ran for four consecutive weeks.

3. Topsoil

The locations noted on Plate Appendix A-2 with high SAR values at the Cottonwood reclaimed site (CTW 1417, CTW 1517, CTW 0118, CTW0218 and CTW0718) were observed and photographed.

4.a Hydrologic Balance: Diversions

The reclaimed land surface seamlessly transitions to the adjacent surrounding undisturbed area. The drainage matches and compliments the surrounding drainage patterns. Diversions are stable and are as designed in the approved MRP.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

Sediment ponds have been removed and pocking is implemented on all hillslopes. The pocks are capturing and treating all runoff, preventing off-site impacts.

4.e Hydrologic Balance: Effluent Limitations

The Permittee will continue to monitor and report on sites within the water monitoring program.

12. Backfilling And Grading

The previously disturbed areas at the Trail Mountain Access (TMA) and Belt Portal Area in Cottonwood Canyon were reclaimed in late 2014. Slopes have been regraded to AOC and pocked to arrest erosion and encourage revegetation.

Many of the boulders and oversize rocks at the Rock and Soil Storage Area were removed and used as rip rap and/or landscaping at the main Cottonwood/Wilberg site. The remaining surfaces have been regraded to AOC, pocked, and hydroseeded.

The entirety of the Main Cottonwood/Wilberg mine site currently appears stable. The slopes between the undisturbed areas down to the newly established main drainage have been regraded to AOC and pocked. Straw was mixed into the topsoil upon final placement and hydroseed applied.

13. Revegetation

Blades of grass are beginning to emerge at the topsoil and rock storage area and at the mine site. Vegetation is well established at the reclaimed conveyor portal in Cottonwood Canyon. One area of erosion at the conveyor portal was observed on the slope below and slightly North (up canyon) of the reclaimed portal, however it had not affected vegetation establishment.

21. Bonding and Insurance

The current revised reclamation estimate is \$2,443,081, and accounts for a 5-year escalation to 2021 using an escalation factor of 0.007 which was the escalation factor for 2016, the year of most recent midterm permit review. Permittee is adequately bonded since the current surety posted with the Division is \$2,779,000.

ATTACHMENT A – Cottonwood Phase I Bond Release Inspection April 29, 2019



Lower Grimes Wash Soil locations CTW0718 on left and CTW0918 on right



East facing slope Left Fork Grimes Wash Soil locations CTW0118 and CTW 1517



East facing slope Left Fork Grimes Wash soil location CTW1417



PHOTO 4

Reclaimed TMA and Belt Portal Area in Cottonwood Canyon

ATTACHMENT A – Cottonwood Phase I Bond Release Inspection April 29, 2019



PHOTO 5

Reclaimed Rock and Soil Storage Area



PHOTO 6

Reclaimed Leach Field



PHOTO 7

Reclaimed Cottonwood/Wilberg mine site



PHOTO 8

Pocks stabilizing hillslopes, channels riprapped and stabilized

