



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, June 21, 2016
Start Date/Time:	6/21/2016 10:00:00 AM
End Date/Time:	6/21/2016 1:00:00 PM
Last Inspection:	Tuesday, May 24, 2016

Representatives Present During the Inspection:	
OGM	Lisa Reinhart
Company	Dennis Oakley

Inspector: Lisa Reinhart

Weather: hot in the 90's. blue sky

InspectionID Report Number: 5552

Accepted by: JHELFRIC

7/6/2016

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

4,088.33	Total Permitted
27.83	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:

Verified that all required documents have been submitted to the Division. March water report and impoundment reports will be submitted by end of June.

I Inspected the mine site and reclaimed cottonwood portal. No activities are occurring at the present time. All demolition is complete and Interwest is redesigning reclamation plan prior to starting reclamation.

Inspector's Signature:

Lisa Reinhart,
Inspector ID Number: 69

Date Wednesday, June 22, 2016



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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. Permits, Change, Transfer, Renewal, Sale

The operator has been working diligently with OSM and OGM to redesign the final reclamation plan. At this time, the Operator is addressing additional concerns of OSM and the Division and is preparing an updated reclamation plan/amendment. Final reclamation of the site is pending approval of a redesigned reclamation plan. The 5-year plan review and evaluation was certified by Guy Davis, Mine Analyst, on 11/11/2013.

The mine has three (3) USFS special use permits under permit No. 2307 (164). They are all combined and located together in Section 27 T.17S R7E. covering 4.78 acres. They include 8" waste water line issued 11/9/76, Road, sewer & water line issued 4/16/1978, and Sediment Ponds issued 2/16/78. They are active until relinquished. The DOGM issued permit C0150019 expires July 6, 2019 and has a special condition that requires PacifiCorp to submit water quality data through the website. The Data for the first quarter of 2016 has been submitted and reviewed by the assigned hydrologist (Keenan Storrar). There were no concerns.

Due to the recent changes in ownership, PacifiCorp changed MSHA numbers for the Cottonwood/Wilberg Mine (mine) 42-01944 (north sed pond) UT09-01944-12 (south sed pond) UT09-01944-13.

2. Signs and Markers

Storage areas, permit, and, reference areas are all posted and clearly identified. Signs are located at each point of access.

3. Topsoil

There are no topsoil piles at this mine since there was not an adequate quantity of Horizon A material to warrant stockpiling when the mine was developed. Existing materials have been approved for plant growth medium. Previous topsoil piles evaluated with this mine were associated with the waste rock site which was transferred to the Trail Mountain Mine permit C0150009.

4.a Hydrologic Balance: Diversions

Ditches, diversions and culverts are functioning as designed. Due to the removal of all structures and road base, temporary gravel berms have been installed to divert water in lieu of curbing. At final reclamation, these berms will no longer be necessary. No erosion was observed in the diversions, outlets or downstream.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

See 4a.

4.c Hydrologic Balance: Other Sediment Control Measures

See 4a.

4.d Hydrologic Balance: Water Monitoring

First quarter monitoring data has been entered in the Division's Water Quality Monitoring Database as required and verified by the Division. The site is currently in the Reclamation Sampling monitoring phase. There are no springs monitored at this site. The mine was sealed May 10, 2001, so there are no in-mine monitoring sites. The UPDES UT0022896 discharge reports for the month of April, 2016 shows all parameters of OO1-A are within permit limits and there has been no discharge from 003-A.

4.e Hydrologic Balance: Effluent Limitations

See 4d.

5. Explosives

N/A. The site is undergoing reclamation and blasting is not taking place.

6. Disposal of Excess Spoil, Fills, Benches

N/A. The Cottonwood/Wilberg mine is undergoing reclamation and there is no disposal of excess spoil/fills/benches.

7. Coal Mine Waste, Refuse Piles, Impoundments

Coal waste and refuse piles are not present. Impoundments are inspected quarterly with reports submitted shortly thereafter.

8. Noncoal Waste

Noncoal waste was not observed.

9. Protection of Fish, Wildlife and Related Environmental Issues

No activity is taking place and therefore disturbance to wildlife and the biological environment is minimal. Jeff Jeweks from the USFS inspected the nest directly above the mine-site was monitored for Golden Eagle activity in May 2016. The nest was found to be inactive this year.

10. Slides and Other Damage

No slides observed. Some erosion is occurring on the bin wall since it is awaiting reclamation. Permittee states maintenance will occur soon to prevent further erosion.

11. Contemporaneous Reclamation

The Cottonwood/Wilberg Mine facility is undergoing reclamation. Surface facilities have been dismantled and removed from the permit area.

12. Backfilling And Grading

The final reclamation plan is currently being revised based on recent coordination with DOGM and OSM. Additional evaluation and documentation for using deep gouging as "best technology currently available" was recently submitted to the Division for further consideration. Some slopes are partially backfilled and awaiting final reclamation.

13. Revegetation

The proposed seed mix for final reclamation is appropriate for site conditions and the post mining land use.

The Cottonwood Canyon portal was backfilled, regraded and reseeded Spring 2015. The backfill is settling and a noticeable depression is evident at the portal face. This location needs continued observation and will be addressed if the settling is severe enough to warrant additional earthwork. At this time, the appropriate action is observation as it was recently backfilled and reseeded.

The site was inspected and although cattle have grazed the area, vegetation is remarkable and vigorous.

14. Subsidence Control

NA. The mine is in the reclamation phase and there is no subsidence from mining.

15. Cessation of Operations

NA. The mine is in the reclamation phase and could potentially go into temporary cessation while the final reclamation plan is redesigned.

16.a Roads: Construction, Maintenance, Surfacing

Roads are within the disturbed area and are built as depicted on the surface facilities map. Asphalt and road base above and beyond the upper parking lot have been removed and prepped for earthwork. Roads below the lot will be used for heavy machinery access during reclamation and will be removed as earth work moves downslope.

16.b Roads: Drainage Controls

See 16a and photos. Drainage is as designed.

17. Other Transportation Facilities

The mine is in the reclamation phase and there is no handling of coal.

18. Support Facilities, Utility Installations

The mine is in the reclamation phase and all support facilities have been dismantled and removed with the exception of 3 sheds at the loadout. 2 sheds contain straw used for maintenance of sediment control and one shed remains to be an office during earthwork activities.

20. Air Quality Permit

The air quality permit was issued in 1991 with the subsequent approval for the addition of the Trail Mountain Mine and Overland Belt to the Existing Cottonwood Mine on 8/9/1995.

21. Bonding and Insurance

The permittee has a certificate of liability Insurance policy No. X15194003P Insured by Associated Electric and Gas for the period from 10/1/15 to 10/1/16 with excess liability for \$35,000,000. The surety Bond is filed with the Division in the amount of \$2,779,000.

ATTACHMENT A – 06/20/16 Drainage at parking and storage



ATTACHMENT A – 06/20/16 Drainage from storage yard and down road



ATTACHMENT A -06/20/16 Drainage, Bin Wall (removed), Rhino Run



ATTACHMENT A -06/20/16 Drainage, loading/unloading area, left fork grimes wash undisturbed culvert



ATTACHMENT A – 06/20/16 Rhino Run Portal Backfills (25 ft)



ATTACHMENT A – 06/20/16 Rhino Run/Wilber Portal Backfills, fuel storage (reclaimed 2015), drainage



ATTACHMENT A – 06/20/16 Wilberg fan pad (old rail lines) and drainage.



ATTACHMENT A – Cottonwood (TMA) Fan Portal 06/20/16. Revegetated 2014.

