



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, August 25, 2015
Start Date/Time:	8/25/2015 10:30:00 AM
End Date/Time:	8/25/2015 2:30:00 PM
Last Inspection:	Wednesday, July 22, 2015

Representatives Present During the Inspection:	
OGM	Lisa Reinhart
Company	Kenneth Fleck

Inspector: Lisa Reinhart

Weather: 80's & overcast with smoke from western fires

InspectionID Report Number: 5285

Accepted by: JHELFRIC
8/27/2015

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
27.88	Total Disturbed
21.29	Phase I
21.29	Phase II
21.29	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 records at the mine office, then inspected the mine site and cottonwood portal for current activities. No activities are occurring at present time. All demolition (with exception to facilities needed for earthwork) is complete and Interwest is waiting for approval of a modified reclamation plan prior to starting construction.

Digitally signed by Lisa Reinhart
 DN: cn=Lisa Reinhart, o=DOGM Coal, ou=2410, email=lreinhart@utah.gov, c=US
 Date: 2015.09.02 11:04:22 -06'00'

Inspector's Signature:

Lisa Reinhart,
Inspector ID Number: 69

Date Thursday, August 27, 2015



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 checked="" 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 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 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 Division is reviewing amendment submitted 7/28/15 in which the reclamation plan has been revised. The findings on the amendment are due September 11, 2015. The 5-year plan review and evaluation was certified by Guy Davis, Mine Analyst, on 11/11/2013. The plan did not need to be amended.

Air quality permit issued 1991 and subsequent approval for additional of Trail Mountain Mine and Overland Belt to Existing Cottonwood Mine dated 8/9/1995. The mine has 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. Data submission has been verified and there are no concerns.

Due to the recent changes in ownership, PacifiCorp is requesting a change of MSHA numbers for the Cottonwood/Wilberg Mine from 42-01211 (mine) 09-01211-01 (north sed pond) and (09-02052-03 (south sed pond) to 42-01944, which is the original number prior to the merge with Trail Mountain.

2. Signs and Markers

Top soil, storage areas, perimeter, and, reference areas are all posted and clearly identified.

Signs are located at each point of access.

3. Topsoil

There are not any topsoil piles at this mine since there was not an adequate quantity of Horizon A to warrant stockpiling when the mine was developed. Existing materials will be used for plant growth medium. Previous topsoil piles evaluated with this mine were associated with the waste rock site which was transferred to Trail Mountain Mine permit C0150009 a few months ago.

4.a Hydrologic Balance: Diversions

Ditches and culverts are functioning as designed. Due to the removal of all structures and road base, gravel berms have been installed to divert water in lieu of curbing attached to the guard railing that was removed.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The mine was idled in 2001 so the only water that reports to the ponds are run-off during a storm event.

The 2nd quarter Impoundment Inspection and Certified Report was submitted to the Division 7/2/15. Inspections were conducted 6/15/15. Reports are inspected and certified by Mark Reynolds, LPE No. 5049079-2202, Utah. The inspector noted that everything is constructed to plan, surfaces are at their final configuration and drainage established, the site is complete and at capacity, and vegetation has been established. He did not observe instability, structural weakness, or other hazardous conditions. Repairs to the base of the standpile area are completed.

North sediment pond: Standing water was measured at 8.05' at the gage at the primary outlet. According to the inspection report, remaining sediment capacity is 0.24 AF. 60% Sediment storage capacity is at 7351.0 ft. Current sediment volume is 7348.0 ft. Water impounded is 0.029 AF.

South sediment pond: The southern sediment pond was dry and sediment level was 2.82' on the gage at the primary outlet. 60% sediment storage capacity is .19 AF at 7322.3 ft. Current sediment volume is 0.00 with remaining storage capacity at 0.19 AF. Water impounded is 0.04 AF.

4.d Hydrologic Balance: Water Monitoring

Monthly discharge reports for monitoring period 7/1/25 through 7/30 were reviewed at the Interwest office. All parameters of Discharge number 001-A (Cottonwood Canyon) were in compliance with UPDES permit UT0022896 and 003-A (Sed Ponds) had no discharge.

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 the Trail Mountain Mine is in cessation. There is no disposal of excess spoil/fills/benches.

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.

10. Slides and Other Damage

Surface areas did not present slides or damage at the time of inspection.

11. Contemporaneous Reclamation

Surface facilities have been dismantled and removed from the permit area.

12. Backfilling And Grading

The final reclamation plan is currently undergoing revisions and is being reviewed by DOGM.

13. Revegetation

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

Several occurrences of Canada thistle and hounds tongue were observed during the inspection. Weeds should be controlled by chemical methods to prevent the spread of noxious weed seed during reclamation.

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 should 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.

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 under consideration by DOGM.

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 will be used for heavy machinery access during reclamation and will be removed as earth work flows downslope.

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 as an office during earthwork activities.

19. AVS Check

An AVS check was performed on August 24, 2015. There were no violations retrieved by the system.

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20. Air Quality Permit

Air quality permit issued 1991 and subsequent approval for additional of Trail Mountain Mine and Overland Belt to Existing Cottonwood Mine dated 8/9/1995.

21. Bonding and Insurance

Certificate of Liability Insurance Policy No. X15194003P Insured by Associated Electric and Gas for period from 10/1/14 to 10/1/15 with Excess liability for \$35,000,000. According to midterm review (March 2012) bond posted is \$2,964,000.00 and excess bond is \$212,000.00. Bonding documentation was located onsite and was reviewed during the inspection.

Cottonwood/Wilberg Mine
Complete Inspection 8/25/15



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Cottonwood/Wilberg Mine
Complete Inspection 8/25/15



Cement pad (guard shack?)



Non-disturbed diversion

Cottonwood/Wilberg Mine- Cottonwood Portal Access Complete Inspection 8/25/15



Cottonwood/Wilberg Mine- Cottonwood Portal Access
Complete Inspection 8/25/15

