



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:	Friday, November 20, 2015
Start Date/Time:	11/20/2015 11:00:00 AM
End Date/Time:	11/20/2015 1:30:00 PM
Last Inspection:	Tuesday, October 27, 2015

Inspector: Lisa Reinhart
 Weather: Clear, windy, mid 30's
 InspectionID Report Number: 5370
 Accepted by: DHADDOCK
 11/24/2015

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		Mineral Ownership	Types of Operations
4,088.33	Total Permitted	<input checked="" type="checkbox"/> Federal	<input checked="" type="checkbox"/> Underground
27.88	Total Disturbed	<input type="checkbox"/> State	<input type="checkbox"/> Surface
21.29	Phase I	<input type="checkbox"/> County	<input type="checkbox"/> Loadout
21.29	Phase II	<input checked="" type="checkbox"/> Fee	<input type="checkbox"/> Processing
21.29	Phase III	<input type="checkbox"/> Other	<input type="checkbox"/> Reprocessing

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

Verified all required documents have been submitted to Division. Inspected the mine site and reclaimed cottonwood portal. No activities are occurring at present time. All demolition (with exception to facilities needed for earthwork) is complete and Interwest is redesigning 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: 2015.11.27 10:15:06 -07'00'

Inspector's Signature:

Lisa Reinhart,
 Inspector ID Number: 69

Date Tuesday, November 24, 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 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 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 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 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 not currently reviewing any permit changes. Interwest is currently revising the reclamation plan.

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 is available in the records.

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. MSHA is currently reviewing the request and has not approved it as of inspection date.

2. Signs and Markers

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.

4.a Hydrologic Balance: Diversions

Ditches, diversions and culverts are constructed and 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 abnormal erosion was observed in the diversions, outlets or downstream.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The mine was idled in 2001 so the only water that reports to the ponds is 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 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'. 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

October discharge reports for monitoring period 10/1/15 through 10/31/15 were reviewed. All parameters of Discharge number 001-A (Cottonwood Canyon) are in compliance with UPDES permit UT0022896 and 003-A & 005-A (Sed Ponds) had no discharge.

4.e Hydrologic Balance: Effluent Limitations

Effluent limitation are met

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

3rd Qtr 2015 Engineering Inspection Report for the Old Cottonwood Waste Rock Site was submitted 9/25/15 signed, stamped, and dated 9/22/15 by Mark Reynolds LPE. The site is constructed according to plan. All surfaces are at their final configuration and drainage established. This site is complete and at capacity. Site is reclaimed and vegetation has been established. There were no appearances of instability, structural weakness, and other hazardous conditions. The site will continued to be inspected until MSHA confirms the Refuse site has been abandoned.

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

Damage was not observed.

11. Contemporaneous Reclamation

The Cottonwood/Wilberg Mine facility is undergoing reclamation according to plan. 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.

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 redesigning the final reclamation plan.

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.

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 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.

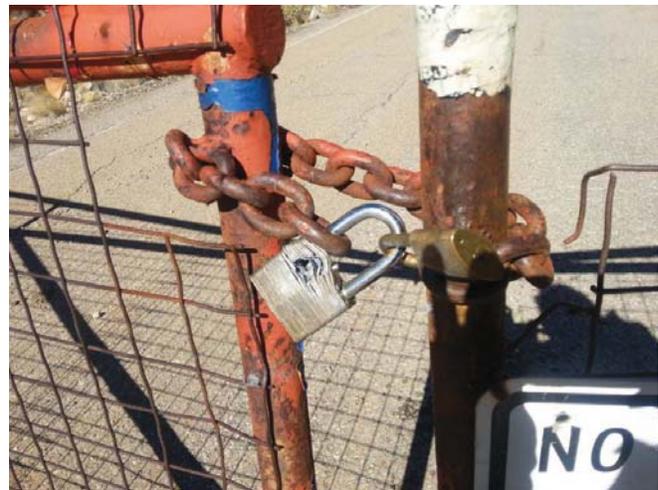
20. Air Quality Permit

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 10/1/15 to 10/1/16 with Excess liability for \$35,000,000. A surety Bond is filed with the Division in the amount of \$2,779,000.

Cottonwood/Wilberg Mine
Complete Inspection 11/20/2015



Cottonwood/Wilberg Mine
Complete Inspection 11/20/2015 : Hydrologic Balance



Cottonwood/Wilberg Mine
Complete Inspection 11/20/2015 : Hydrologic Balance



Cottonwood/Wilberg Mine
Complete Inspection 11/20/2015



Cottonwood/Wilberg Mine
Complete Inspection 11/20/2015 : Cottonwood Fan Portal

