OGMCOAL DNR <ogmcoal@utah.gov>

Inspection Report 6468

1 message

Priscilla Burton <priscillaburton@utah.gov> Mon, Jul 29, 2019 at 10:56 AM
To: Dennis Oakley <Dennis.Oakley@pacificorp.com>, OGMCOAL DNR <ogmcoal@utah.gov>
Cc: Steve Christensen <stevechristensen@utah.gov>

Hello Dennis,

I have attached the report of my Deer Creek inspection on July 10, 2019. On the day of this inspection, I reviewed soil sample analytical reports for stockpiled substitute topsoil and I looked at bagged samples that were bound for the lab. Would you please forward the soil sample analytical results to me as they become available?

At the Rilda site, you mentioned that final grading and reseeding would be accomplished this fall to remove equipment tracks on the slope above the sediment pond. Please let me know when that takes place.

Thank you.

Priscilla Burton, CPM, CPSSc
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Division of Oil, Gas, & Mining
Price Field Office

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Executive Director
Division of Oil, Gas and Mining
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Division Director

Inspection Report

Permit Number:	C0150018
Inspection Type:	PARTIAL
Inspection Date:	Wednesday, July 10, 2019
Start Date/Time:	7/10/2019 10:00:00 AM
End Date/Time:	7/10/2019 2:30:00 PM
Last Inspection:	Wednesday, June 26, 2019

Representatives Present During the Inspection:	
Company	Dennis Oakley
OGM	Priscilla Burton

Inspector: Priscilla Burton,

Weather: sun 80 F

InspectionID Report Number: 6468

Accepted by:SCHRISTE
7/29/2019

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

Current Acreages

20,276.18	**Total Permitted**
57.38	**Total Disturbed**
2.93	**Phase I**
2.93	**Phase II**
2.93	**Phase III**

Mineral Ownership

- [x] **Federal**
- [x] **State**
- [ ] **County**
- [x] **Fee**
- [ ] **Other**

Types of Operations

- [x] **Underground**
- [ ] **Surface**
- [ ] **Loadout**
- [ ] **Processing**
- [ ] **Reprocessing**

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

Reclamation activity is ongoing in Deer Canyon and Elk Canyon. Substitute topsoil is being placed on the slopes above Deer Canyon drainage. Substitute topsoil is stored on the pad. Elk Canyon refuse (pile #2) is being brought to a 2h:1v slope. Boulders are being stockpiled in the Elk Canyon drainage. Refuse pile #1 in the main canyon is being regraded.

Refer to reclamation drawing DS1782D for drainage features, cross section station locations and final reclamation contours. Refer to drawing DS1899D Surface Facilities for locations of demolished structures.

Inspector's Signature:

Priscilla Burton,
Inspector ID Number: 37

Date Wednesday, July 10, 2019

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.

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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 performace 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	☐	☐	☐	☐
2. Signs and Markers	☐	☐	☐	☐
3. Topsoil	☑	☐	☑	☐
4.a Hydrologic Balance: Diversions	☑	☐	☑	☐
4.b Hydrologic Balance: Sediment Ponds and Impoundments	☑	☐	☑	☐
4.c Hydrologic Balance: Other Sediment Control Measures	☐	☐	☐	☐
4.d Hydrologic Balance: Water Monitoring	☐	☐	☐	☐
4.e Hydrologic Balance: Effluent Limitations	☐	☐	☐	☐
5. Explosives	☐	☐	☐	☐
6. Disposal of Excess Spoil, Fills, Benches	☐	☐	☐	☐
7. Coal Mine Waste, Refuse Piles, Impoundments	☑	☐	☑	☐
8. Noncoal Waste	☐	☐	☐	☐
9. Protection of Fish, Wildlife and Related Environmental Issues	☐	☐	☐	☐
10. Slides and Other Damage	☐	☐	☐	☐
11. Contemporaneous Reclamation	☐	☐	☐	☐
12. Backfilling And Grading	☑	☐	☑	☐
13. Revegetation	☑	☐	☑	☐
14. Subsidence Control	☐	☐	☐	☐
15. Cessation of Operations	☐	☐	☐	☐
16.a Roads: Construction, Maintenance, Surfacing	☐	☐	☐	☐
16.b Roads: Drainage Controls	☐	☐	☐	☐
17. Other Transportation Facilities	☐	☐	☐	☐
18. Support Facilities, Utility Installations	☐	☐	☐	☐
19. AVS check	☐	☐	☐	☐
20. Air Quality Permit	☐	☐	☐	☐
21. Bonding and Insurance	☐	☐	☐	☐
22. Other	☐	☐	☐	☐

3. Topsoil

I reviewed soil sample analytical reports for stockpiled substitute topsoil and I looked at bagged samples that were bound for the lab. Proposed locations for substitute topsoil excavation are shown on reclamation drawings DS1783D (sheets 1 and 2). Locations of substitute topsoil placement are shown on drawing DS1816D. Soils from the Deer Creek drainage have been sampled and analyzed and found suitable according to the Division guidelines. Substitute soil stockpiles are stored on the Deer Creek pad. These stockpiles are being mixed prior to placement to create a uniform color and texture. A truck was hauling substitute soil to the Deer Cyn drainage. A dozer was pushing the soil up the slopes. More soil samples from the Elk Canyon drainage were delivered to the lab on the date of this inspection.

4.a Hydrologic Balance: Diversions

Water was flowing in the undisturbed drainage bypass culvert.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The sediment pond was holding water.

7. Coal Mine Waste, Refuse Piles, Impoundments

In the Elk Canyon drainage: Refuse remaining in the coal storage "chute" is being graded 2h:1v. A small grade break shown at Sta 1+65 will be extended to slow flow from the refuse chute. Grading of refuse pile #2 in Elk Cyn will be as shown on Dwg DS1782D. The upper slopes of the refuse pile will remain in tact. These slopes tie in to the undisturbed slope and are well vegetated with grass and shrubs.

Soil was re-exposed in the main Elk Cyn channel between the two side channels. This soil was sampled for analysis and will likely be a source of substitute topsoil. It won't be possible to re-expose soil along the length of the Elk Crk channel, however, because approximately 20 feet of refuse covers the native ground at the channel transition area. The final grade of the channel would not be achieved if all this refuse was moved. So the Elk Cyn drainage will be constructed on refuse, in part, and riprapped along its entirety. This is an ephemeral channel, which is overgrown with vegetation in its undisturbed reaches.

Grading of the Elk Cyn refuse will be graded so that it will not disturbed the vegetated refuse slope at the bend in the access road.

In Deer Creek Cyn: The refuse slope will be cut to achieve the final grade. Vegetation and surface soil to a depth of 12 inches is being salvaged and replaced on the graded refuse slope.

12. Backfilling And Grading

Pad soils were saturated about 7 feet below the surface. Deer Cyn regrading is complete to the former storage area and is approximately 1/3 finished. Work in Deer Creek drainage will be last to occur to allow for the pad to dry out.

All drainages will be rip-rapped in their entirety, due to extreme flows observed in this drainage in the last 10 years. This is a field change that will be shown on as-builts.

13. Revegetation

Incremental seeding and mulching is being done, before areas get out of reach of the hydro-truck. Deer Cyn and a segment of the refuse pile were seeded and mulched. The diversion ditch above the Deer Creek pad (on the southern disturbed area boundary) has also been graded out and seeded.

PHOTO ATTACHMENT – Deer Creek Mine - July 10, 2019

Elk Canyon coal storage chute 2h:1v slope

D9 pushing refuse

Lower Elk Canyon coal storage & chute

Established vegetation on refuse in Elk Cyn

PHOTO ATTACHMENT – Deer Creek Mine - July 10, 2019

Re-exposed soil adjacent to mine waste in main drainage in Elk Cyn

Well vegetated Elk Cyn drainage at disturbed boundary

Pad cut shows potential substitute topsoil

Topsoil removed and stockpiled (right side) on Refuse Pile #1

PHOTO ATTACHMENT – Deer Creek Mine - July 10, 2019

Seeded area on final grade of refuse pile #1 in Deer Creek Cyn

Grading topsoil in Deer Canyon (foreground) and seeded mulched Deer Canyon and channel (background)

Suitable substitute topsoil before blending

Water tank overview. East boundary ditch at far right is seeded.