State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

Inspection Report

Permit Number:	**C0150019**
Inspection Type:	PARTIAL
Inspection Date:	Wednesday, November 8, 2017
Start Date/Time:	11/8/2017 10:00:00 AM
End Date/Time:	11/8/2017 2:00:00 PM
Last Inspection:	Wednesday, September 27, 2017

Inspector: Priscilla Burton,

Weather: sun 50F

InspectionID Report Number: 6002

Accepted by:DHADDOCK
11/14/2017

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

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**
27.83	**Total Disturbed**
21.30	**Phase I**
21.30	**Phase II**
21.30	**Phase III**

Mineral Ownership

- [x] Federal
- [ ] 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:

CW Clyde has resumed reclamation of the Cottonwood mine resumed after a month hiatus while they worked on the Deer Creek pipeline installation. Backfilling and grading, mulching and seeding of the portal bench was taking place. Excavation of the main drainage and grading and sorting of the fill to produce riprap was underway.

Inspector's Signature: Priscilla Burton Priscilla Burton 2017.11.16 17:54:56 -07'00' **Date** Thursday, November 9, 2017

Priscilla Burton,
Inspector ID Number: 37

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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UTAH DNR OIL, GAS & MINING

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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 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

Samples of substitute topsoil were taken from the portal bench, from soil salvaged from the pond embankments, and from excavated main drainage fill that had been sorted to 3/4 - 4 inch size and 3/4 minus size. These samples will be analyzed for pH and EC prior to being used as substitute topsoil. We discussed the potential for the 3/4 minus size fraction to be susceptible to erosion. As a precaution, it will be mixed with subsoil during gouging.

4.a Hydrologic Balance: Diversions

Undisturbed diversion has been exposed from its inlet down to the former parking pad. Drainage in the undisturbed culvert is forced out of the culvert into the North pond.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

A temporary catch basin collects undisturbed culvert flow and sends it to the North pond. Inlets and outlets of the ponds are maintained and functioning. The North and South pond inside embankments were recently stripped of 12 inches of substitute topsoil.

7. Coal Mine Waste, Refuse Piles, Impoundments

A small amount of coal mine waste was removed from the portal bench slope. It will be placed against the cut.

12. Backfilling And Grading

A trackhoe operator was placing fill and gouging the portal bench and scattering 1 ton/acre hay. An excavator was loading fill from the former parking lot pad into rock trucks. The fill was taken down to the side canyon where it was dumped. A trackhoe was loading the fill into a hopper and conveyor set up where it was sized into boulders (6inch+), 3/4 - 4 inch size, and 3/4 inch minus size. A dozer was removing the sized materials into piles.

13. Revegetation

Skyline Reclamation was on site to broadcast seed and hydromulch the reclaimed portal bench in segments as the work progressed. A copy of the seed tag is attached. 2 Tons/acre wood fiber mulch and 50 lbs guar tackifier are being applied over the seed. Ammonium nitrate and ammonium phosphate are being applied with the hydromulch (personal communication with D. Oakley, 11/16/2017).

ATTACHMENT A – Photos	Cottonwood Inspection November 8, 2017
PHOTO 1 looking up Left Fork at exposed UD culvert	**PHOTO 2** Looking down the main drainage
PHOTO 3 Head cut at Left Fork	**PHOTO 4** Excavating pad below portal bench

ATTACHMENT A – continued **GVH Sites**

PHOTO 5 East portal bench

PHOTO 6 Hydroseeding portal bench

PHOTO 7
Soil sample location CTW0417

PHOTO 8
Sorting operation in Right Fork

STEVENSON

INTERMOUNTAIN SEED, INC.

Variety/Species	Purity%	Germ%		Hard/ Dorm%	Total Viable%	Origin	Test Date
Critana Thickspike Wheatgrass	12.49	93.00			93.00	ND	10/4/2016
Anatone Bluebunch Wheatgrass	12.49	93.00	TZ		93.00	WA	8/26/2016
Native Fourwing Saltbush	9.56	81.00	TZ		81.00	UT	8/10/2016
Native Serviceberry	8.33	93.00	TZ		93.00	UT	7/22/2016
Delar Small Burnet	8.33	93.00	TZ		93.00	ID	8/5/2016
Native Indian Ricegrass	8.24	94.00	TZ		94.00	UT	7/20/2016
Tetra Basin Wildrye	8.07	88.00		8.00	96.00	UT	11/22/2016
Arriba Western Wheatgrass	8.07	96.00			96.00	ID	8/15/2016

CONTINUED ON NEXT PAGE

P.O. Box 2 | Ephraim, Utah 84627 | (435) 283-6639 | Sales@siseed.com

STEVENSON

INTERMOUNTAIN SEED, INC.

Variety/Species	Purity%	Germ%		Hard/ Dorm%	Total Viable%	Origin	Test Date
Needle and Thread Grass	4.30	90.00	TZ		90.00	UT	3/30/2017
Maple Grove Lewis Flax	4.16	93.00	TZ		93.00	WA	8/17/2016
Native Big Wyoming Sagebrush	3.80	51.00	TZ		51.00	UT/NV	8/9/2016
Native Blueleaf Aster	2.89	67.00	TZ		67.00	UT	7/21/2016
Native Shadscale Saltbush	2.73	71.00	TZ		71.00	UT	12/7/2016
Native Palmer's Penstemon	2.13	91.00	TZ		91.00	UT	10/16/2016

Total Purity: 95.60 Inert% 4.31 Crop% 0.03 Weed 0.06

Restricted Weed(s) None Found Noxious Weed(s None Found

Seed Mixture Lot No. M-4361 Net Weight(lbs) 50.00 Customer Order No. PO4500845537

Seed Mix Name or Project Cotton Wood/Wilberg Mine Site Mixture 33 Acres

P.O. Box 2 | Ephraim, Utah 84627 | (435) 283-6639 | Sales@siseed.com

UTAH DEPARTMENT OF ARGRICULTURE & FOOD
DIVISION OF PLANT INDUSTRY
350 NORTH REDWOOD ROAD
PO BOX 146500
SALT LAKE CITY, UT 84114-6500

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PHYTOSANITARY CERTIFICATE

HAY OR STRAW INSPECTION

This is to certify that the hay or straw described below has been inspected according to appropriate procedures by a duly authorized inspector of the State of Utah and found to be:

FREE FROM: ☒ NOXIOUS WEEDS ☐ REGIONAL NOXIOUS WEEDS

☐ The hay or straw described below does not meet noxious weed certification standards for Utah. See remarks.

DATE INSPECTED 6/5/2017 FIELD LOCATION 1750 S. 100E. Price, Ut. 84501

APPLICANT Neil Frandsen FIELD NAME Church Farm.

ADDRESS 740 S. Fairgrounds Rd. Price, Ut. 84501 PHONE NO. 435-637-0331

PRODUCT Alfalfa Hay NUMBER OF BALES 300

GROWN BY Neil Frandsen BALE TYPE* SB

ADDRESS Same. COUNTY Carbon

NAME AND ADDRESS OF COSIGNEE

TRAILER OR TRUCK LICENSE NUMBER STATE

CERTIFICATE IF VALID FOR 1 2 3 4 5 6 7 8 9 10 LOADS (Contact Loads only)

REMARK OR ADDITIONAL DECLARATIONS No issues of Concern

Tags $

Milage $ 3.14

Fee $ 70.00

From: No Tags. To:

Hay Tag Numbers