



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:	C0070035
Inspection Type:	PARTIAL
Inspection Date:	Tuesday, September 11, 2012
Start Date/Time:	9/11/2012 3:00:00 PM
End Date/Time:	9/11/2012 4:30:00 PM
Last Inspection:	Thursday, August 16, 2012

Representatives Present During the Inspection:	
OGM	Priscilla Burton
Company	Rusty Netz

Inspector: Priscilla Burton,

Weather: overcast 60 F

InspectionID Report Number: 3232

Accepted by: jhelfric

10/1/2012

Permitee: **SUNNYSIDE COGENERATION ASSOCIATES**

Operator: **SUNNYSIDE COGENERATION ASSOCIATES**

Site: **SUNNYSIDE REFUSE & SLURRY**

Address: **PO BOX 159, SUNNYSIDE UT 84539**

County: **CARBON**

Permit Type: **PERMANENT COAL PROGRAM**

Permit Status: **ACTIVE**

Current Acreages

241.25	Total Permitted
196.65	Total Disturbed
5.35	Phase I
5.35	Phase II
5.35	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:

Observed the vegetation on the reclaimed Excess Spoil #2 pile. The Excess Spoil Pile #2 is shown on Plate 5-1 surface facilities. The Excess Spoil Pile was covered with four feet of material, fertilized, mulched, and roughened per Appendix 9-7. The site was hand seeded in January 2012 using the mix described in Figure 10-3. 2012 was a poor water year with little snowpack and rain at Sunnyside. There is little vegetation growth at the site.

Inspector's Signature:

Priscilla Burton,

Inspector ID Number: 37

Date Thursday, September 13, 2012



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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input type="checkbox"/>	<input type="checkbox"/>	<input 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

MRP Appendix 9.7 Excess Spoil Area #2 Design was revised and incorporated in February 2012. Pages 8 - 10 describe the final reclamation of the pile. Per Appendix 9-7, one Ton per acre straw mulch was incorporated into the pile (see Insp. Rpt. # 2995, Jan 27, 2012 and photographs). Appendix 9-7 allowed for either hand broadcast or hydroseeding with mulch. The seed was hand broadcast and no hydromulch or tackifier was applied. The final revegetation mixture (Figure 10-3) was broadcast. This seed mix was reviewed by DOGM and UDWR prior to approval. The final revision of the mix incorporated agency comments that the number of seeds/sq ft should be reduced, especially for the grasses, as they would tend to come in on their own. The final approved mix reduced the number of seed/sq ft of Squirreltail grass, Great Basin Wildrye, "Ladak" alfalfa; eliminated Needle and Thread grass, and Cercocarpus ledifolius (Mountain Mahogany); and increased numbers of Pacific Aster and Artemisia tridentata (Wyoming Big Sagebrush); and made minor adjustments to the remaining species to have whole numbers per sq/ft. The Seed Mix Additions listed on the bottom of Figure 10-3 were not seeded on the Excess Spoil Pile.

13. Revegetation

Vegetation at the site is dominated by Kochia. A few Fourwing saltbush, winterfat and shadscale shrubs were doing well at the site. With the exception of one stunted Triticale plant, there were NO GRASSES seen growing at the site. The limited success of the shrubs over the grasses is likely due to the longer tap roots of the shrubs, able to reach soil moisture at depth.

In the applied seed mix, there were 35 seeds/sq ft of cold season grasses: including a variety of wheat grasses, Great Basin Wildrye, Indian ricegrass and Squirreltail grass. There were 27 seeds/sq ft of shrubs were seeded at the site: including Artemisia tridentata (Big Sagebrush, 20 seeds/sq ft), Atriplex canescens (Fourwing saltbush, 2 seeds/sq ft.), Atriplex gardneri (Gardner saltbush, 3 seeds/sq ft.), Atriplex confertifolia (shadscale, 1 seed/sq ft), and Ceratoides lanata (winterfat, 1 seed/sq ft).

Many of these seeds require a cold moist stratification period before germination and given a good snowpack, they are likely to germinate in future years. Some of these seeds will germinate after they are buried by soil.

Mr. Netz is considering reseeding the site. If reseeding is undertaken, I would only re-seed Western wheatgrass, thickspike wheatgrass, Four wing saltbush, shadscale and winterfat based upon the successful revegetation of these species at the Old Coarse Refuse Road (2007 Annual Report) and on growth of these shrubs on Excess Spoil Pile #2.



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