



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:	C0070022
Inspection Type:	TECHNICAL
Inspection Date:	Thursday, June 21, 2012
Start Date/Time:	6/21/2012 11:00:00 AM
End Date/Time:	6/21/2012 3:30:00 PM
Last Inspection:	Thursday, May 17, 2012

Representatives Present During the Inspection:	
OGM	Priscilla Burton
Company	Garth Nielsen

Inspector: Priscilla Burton,

Weather: sun 90 F

InspectionID Report Number: 3142

Accepted by: dhaddock
6/26/2012

Permitee: **SAVAGE SERVICES CORP**
 Operator: **SAVAGE SERVICES CORP**
 Site: **SAVAGE COAL TERMINAL**
 Address: **6340 S 3000 E STE 600, SALT LAKE CITY UT 84121**
 County: **CARBON**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **ACTIVE**

Current Acreages

153.46	Total Permitted
132.50	Total Disturbed
	Phase I
	Phase II
	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 drilling and casing of S-3-GW by Raycon drilling (Roosevelt/SLC). Jamey Sage, a geologist with JBR, was directing the work. Dean Hadden, Savage, was also present during the inspection. Alternate S-3-GW site was cased to a depth of 29.9 ft.

Inspector's Signature:

Priscilla Burton
Priscilla Burton,
Inspector ID Number: 37

Date Friday, June 22, 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input 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"/>

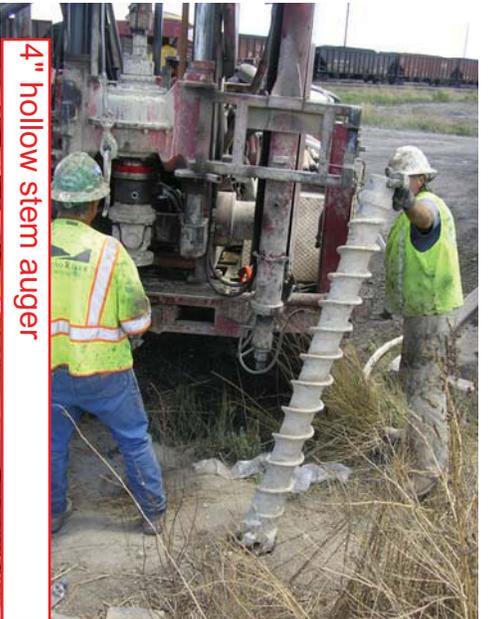
4.d Hydrologic Balance: Water Monitoring

Jamey Sage, JBR, drew a sample from S-2-GW today. Total depth to water was 15.01 ft. TD of S-2-GW is 22.38 ft.

A hole was first drilled adjacent to RR tracks in the proposed location as shown on Plate 7-1. The dry hole forced a relocation of drilling to alternate S-3-GW location. (see attached photos). This location is at the end of the buried french drain and adjacent to the water tank pad. Ground in this location was moist from the surface down to the sandy layer encountered at approximately 27 ft. Hole was first air drilled with a 2" hammer bit, but due to collapse of sandy layer, it was redrilled with a 4" in hollow stem auger. The casing was installed and Colorado Silica Sand was placed around the slotted casing before the hollow stem auger was removed. Playsand was placed around the unslotted casing, followed by bentonite. The drill hole collar was cemented.



air drill hammer bit



4" hollow stem auger



bentonite chips



Alternate location



slotted casing



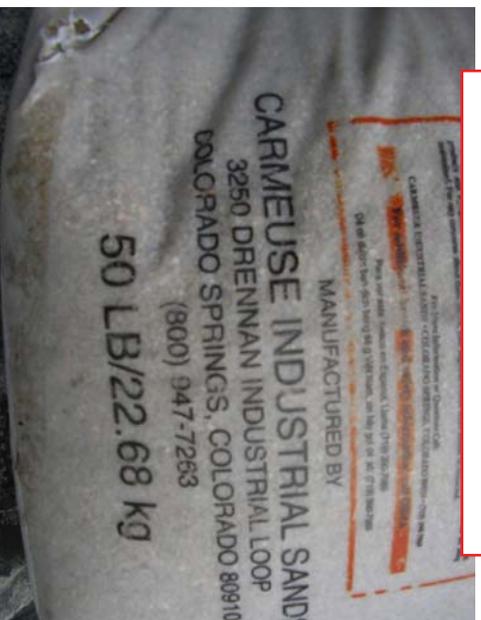
above and below: Colorado sand



showing relationship between 1st location (drill rig) and alternate location (water truck).



Looking west of S-3-Gw at location of buried French drain that runs parallel to the berm and fence line, along permit boundary.



CARMEUSE INDUSTRIAL SANDS
3250 DRENNAN INDUSTRIAL LOOP
COLORADO SPRINGS, COLORADO 80910
(800) 947-7263
50 LB/22.68 KG