



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:	C0150032
Inspection Type:	PARTIAL
Inspection Date:	Wednesday, May 22, 2013
Start Date/Time:	5/22/2013 8:00:00 AM
End Date/Time:	5/22/2013 12:00:00 PM
Last Inspection:	Wednesday, April 17, 2013

Representatives Present During the Inspection:	
OGM	Karl Houskeeper

Inspector: Karl Houskeeper

Weather: Clear Skies, Temp. 58 Deg. F.

InspectionID Report Number: 3482

Accepted by: jhelfric

5/23/2013

Permitee: **GENWAL RESOURCES INC**
 Operator: **GENWAL RESOURCES INC**
 Site: **CRANDALL CANYON MINE**
 Address: **PO BOX 910, EAST CARBON UT 84520-0910**
 County: **EMERY**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **ACTIVE**

Current Acreages

6,295.06	Total Permitted
34.47	Total Disturbed
11.89	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:

Checked in at the Utah American main office which is located at the West Ridge Mine. J.D. Leonard and Jay Marshall were not at the main office. Spoke to a company representative before proceeding to the Crandall Mine site unattended to do a partial inspection.

Pictures were taken during the inspection and are attached to the PDF version of this report.

Checked in with the security guard and obtained pictures from the PC screen relative to the iron treatment system.

Karl R. Houskeeper

Inspector's Signature:

Date Wednesday, May 22, 2013

Karl Houskeeper,
Inspector ID Number: 49

Note: This inspection report does not constitute an official statement of compliance with the regulatory program of the Division of Oil, Gas and Mining. telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov



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 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 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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input checked="" 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"/>

2. Signs and Markers

Observed the mine identification sign at the main facility and the Burma Pond facility as part of the partial inspection. Both signs contained the required information and were found to be compliant with the R645 Utah Coal Rules.

3. Topsoil

Observed the various satellite topsoil piles located along side of the USFS access road that leads to the mine site. The piles have adequate protection using wattles, berms, silt fence and ground cover.

4.a Hydrologic Balance: Diversions

The diversions at the mine site were found to be open and functional.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

Water from the surface of the sediment pond has been pumped off in an effort to let the sediments to begin to dry so that the sediment pond can be cleaned. Cleaning of the sediments within the pond had not begun as of this inspection.



Mine Water Treatment Highwall



Mine Water Treatment Highwall



Ditch DD-10



Mine Water Treatment Basin Outlet



Mine Water Treatment Basin (Looking West)



Sediment Pond



Crandall Creek



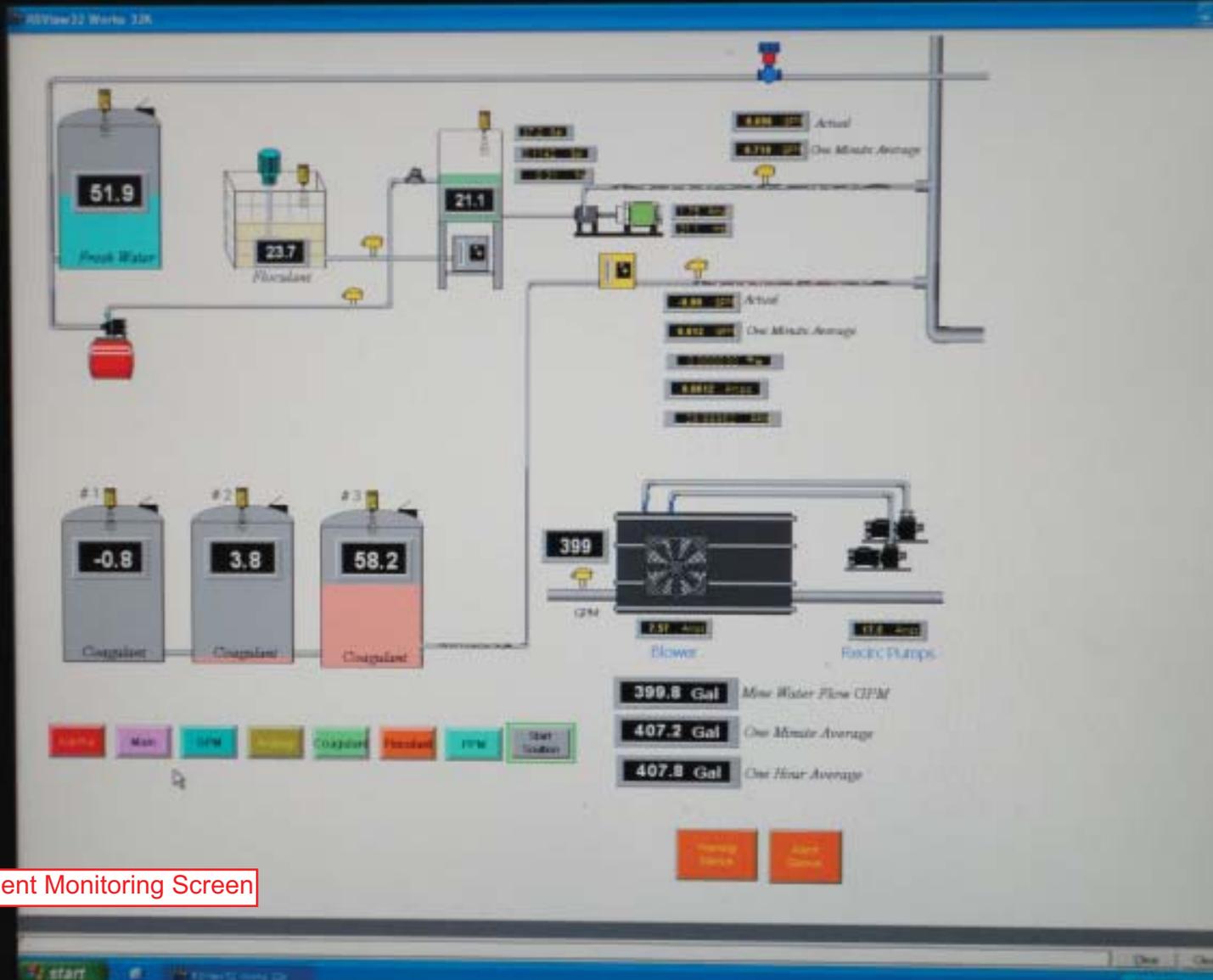
Crandall Creek @ Pond Discharge



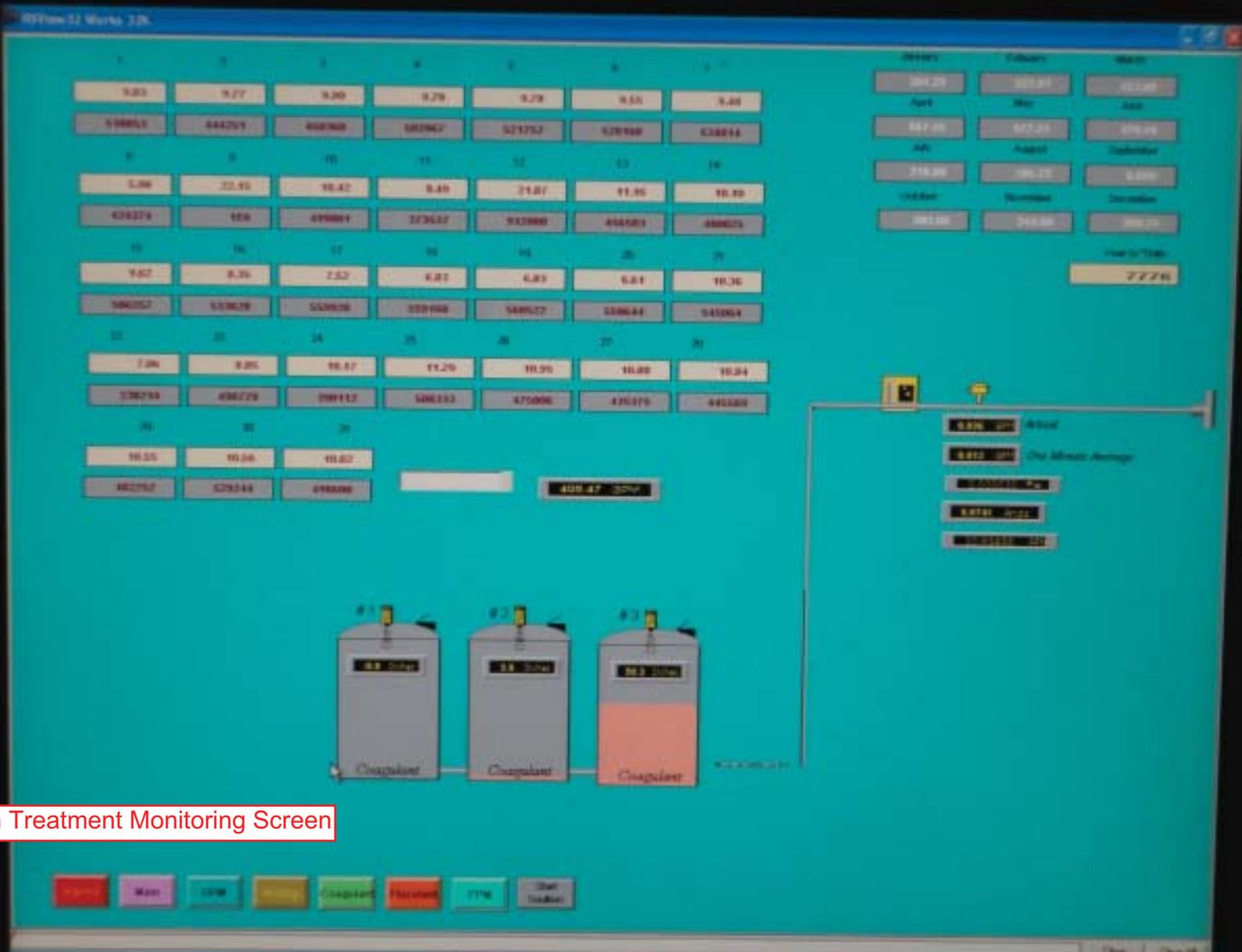
Sediment Pond



Sediment Pond



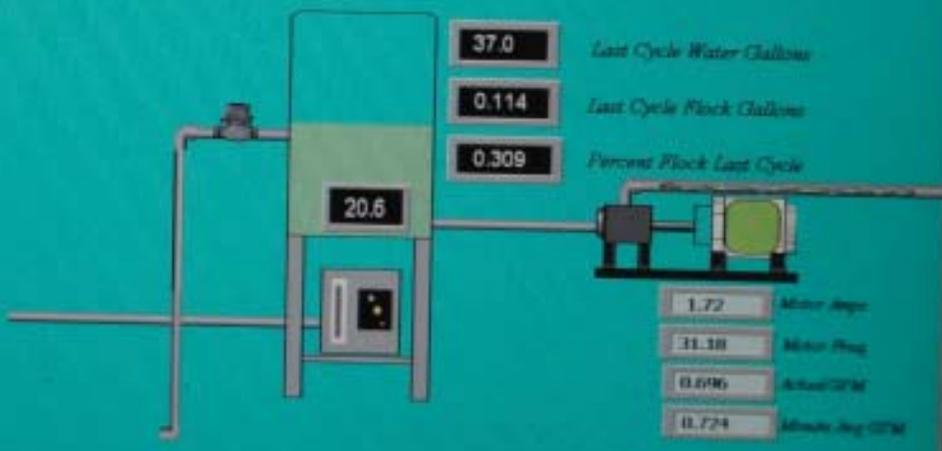
Iron Treatment Monitoring Screen



Iron Treatment Monitoring Screen

1	2	3	4	5	6	7
41.826	37.914	34.535	35.234	38.165	38.454	38.879
510852	444251	450260	502867	521751	528159	534014
81.88	74.088	78.683	71.060	71.200	72.802	72.789
8	9	10	11	12	13	14
39.244	41.140	40.895	40.458	38.894	37.521	38.638
510852	444251	450260	502867	521751	528158	534014
50.98	34.687	81.822	64.258	42.643	82.578	88.483
15	16	17	18	19	20	21
39.245	38.818	38.896	39.539	38.848	34.447	34.636
510852	444251	450260	502867	521751	528158	534014
77.52	72.244	69.646	70.211	64.287	62.557	63.545
22	23	24	25	26	27	28
31.843	32.644	32.622	32.463	32.694	32.814	32.882
510852	444251	450260	502867	521751	528158	534014
29	30	31				
28.885	29.218	17.837				
510852	444251	450260				

- 5.77 Min *MUJ Last Pll Time*
- 3147 Sec *MUJ Last Cycle Time*
- 2085 Sec *MUJ This Cycle Time*
- 20791.76 Gal *Min Flow Last MUJ Cycle*
- 13858.34 Gal *Min Flow This MUJ Cycle*
- 5.495 PPM *PPM Flocculant Last MUJ Cycle*
- 405.0 Gal** *Min Water Flow GPM*
- 20757.24 Gal *Avg Gallons Three MUJ Cycles*
- 0.11436 Gal *Avg Flocc Gallons Three MUJ Cycles*
- 5.510 PPM *AVG PPM Flocc Three MUJ Cycles*



Iron Treatment Monitoring Screen



Burma Pond