

Project No./Contract No.	Project Title / Location	Day of Report	Report No.
6389	BRC Eastside Common Areas Soils Remediation	22-Jan-10	549

Position	Name	E-Mail Address	Phone No.
BRC PROJECT MANAGER	Lee Farris	lfarris@landwellco.com	702-567-0400
BRC PROJECT MANAGER	Ranjit Sahu	sahuron@earthlink.net	702-567-0400
CONST. PROJECT MANAGER	Dan Brennecke	Dan.Brennecke@westonsolutions.com	970-260-8586
Construction Manager	Richard Laubinger	Richard.Laubinger@westonsolution.com	720-641-5866

Conditions				Temp (°F)		Wind		Add'l Readings	
AM	Cloudy	PM	Cloudy / Partly Sunny	Low	37			Precip. (in/Dy.)	0.06
				High	51	SW	16mph	Humidity (%)	0

ON-SITE WESTON PERSONNEL

[illegible]

Name		Position	Trade / Work Performed	Y/N
Greg Corcoran		Design Engineer	Oversight	N
Dan Street		QA Manager	Oversight	N
Jim Cox		QA/QC Supervisor	Oversight	Y
Rebecca Flynn		Engineer	Oversight	N
Camron Littlefield		QA/QC Tech	Oversight	Y
Graciano Malina		QA/QC Tech	Oversight	N
Victor Heredia		QA/QC Tech	Oversight	Y
John Duncan		QA/QC Tech	Oversight	N

[illegible]

Name	Position	Trade / Work Performed	Y/N
Bob Meyer, ASW	Inspector	Liner Inspector,	Y
Devin Gordon, MGA	Oversight	For NDEP	Y
Brian Rakivca	Inspector	NDEP	N
Steve Morrow, ASW	Inspector	Liner Inspector	N
PBS&J, Survey	Surveyors	Survey	N

[illegible]

Equipment	Vendor / Tag No.	Work Performed
CAT D400E Dump Truck (10)	CAMU	- - - -
JD D400 Dump Trucks (10)	Eastside	- - - -
CAT 324D long stick excavator	Eastside	- - - -
CAT 68R Dozer with disc, (1)	CAMU	- - - -
CAT 345 excavators, (3)	Eastside, CAMU and Galleria	- - - -
CAT 330 Excavator (1)	CAMU	- - - -
CAT 365 Excavator (1)	CAMU	- - - -
CAT D6 LGP Dozer (1)	Eastside	- - - -
Water Trucks (5)	Eastside	- - - -
Case backhoe	CAMU	- - - -
CAT 16H Grader	CAMU	- - - -
CAT D6 Dozer	Eastside	- - - -
Water Trucks (4)	CAMU	- - - -
CAT D-6 Dozer, (3)	CAMU	- - - -
CAT 14H Grader	CAMU	- - - -
Grashtail, forklift	CAMU	- - - -
JLG	CAMU	- - - -
Smooth drum Rollers, (3)	CAMU	- - - -
Tenent Street Sweeper	Eastside and CAMU	- - - -
Komatsu Loader	CAMU and Eastside.	- - - -
Cheliant 1400 Powerscreener	CAMU	- - - -

Material	Vendor	Today	UOM	Purpose	Delivery Verification			
					to date	Qty	Spec	Tags
GCL	CETCO	0	rolls	For CAMU, On site		2271		
Geocomposite	Agru	0	rolls	For CAMU, On site		2442		
Geomembrane	Agru	0	rolls	For CAMU, On site		558		

Estuary Mixing and Drying Activity:

Day Shift:

- Continued final scrape in Beta Ditch, SW, HP and CTR ponds. Hauling material to Beta Ditch stockpile.
- GSE/Eagle, continued collecting samples in spray wheel.
- Began dewatering and restoring haul roads.

Night Shift:

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- No activities, due to wet site conditions.

CAMU Activity:

- Day Shift

- Began dewatering and restoring haul roads.
- Continued crushing rock for gravel mulch.
- ESI liner crew, No work.
- Phase I and Phase II, Entact installing LCRS pipe, rock and fabric.
- Phase I and Phase II top, removing rock check dams and hay bales along the flow lines.
- Continued placing 1" minus final cover on geosynthetics at Phase I and Phase II. Top and east slope.
- Entact monitored LCRS, Phase I, Phase II and Phase IIIB and Phase V sumps. Pumped water from Phase V.

- Night Shift

- No activities, due to wet site conditions.

Embankment

- Phase 1 embankment, complete.
- Phase 1 estimated cumulative embankment placed:
- Phase II embankment, complete.

Sump/Vadose Monitoring:

Phase I: LCRS Sump: Measurement taken: (1,192) Water Pumped: (N/A).
Vadose: Measurement taken: (0,583) Water Pumped: (N/A).

Phase II: LCRS Sump: Measurement taken: (1,867) Water Pumped: (N/A).
Vadose: Measurement taken: (N/A) Water pumped: (N/A).

Phase IIIB: LCRS Sump: Measurement taken: (N/A) Water Pumped: (N/A).
Vadose: Measurement taken: (N/A) Water Pumped: (N/A).

Phase V: LCRS Sump: Measurement taken: (2,917) Water Pumped: (1,400 gal).
Vadose: Measurement taken: (N/A) Water pumped: (N/A).

Estimated Waste Placement (Estimated volumes do not account for shrinkage due to loss of moisture on wet ponds)

Phase I

Previous Daily Cumulative = 372,886 cy
Operations layer placed (completed) for liner certification. = 21,662 0 cy

Daily Day shift waste placed today: Galleria/Eastside, (0) loads @ 17 cy/load (0) trucks = cy
Daily Night shift placed today: (0) loads @ 21cy/load (0) trucks = cy

To Date Phase I estimated cumulative waste placed = 372,886 cy

Phase II

Previous Daily Cumulative = 1,072,405 cy
Operations layer placed (completed) for liner certification. = 37,188 cy

Daily Day shift waste placed today: Galleria Scrape, (0) loads @ 17 cy/load (0) trucks = cy
Daily Day shift waste placed today: Eastside Waste, (0) loads @ 17cy/load (0) trucks = cy
Daily Night shift placed today: (0) loads @ 21 cy/load (0) trucks = cy

To Date Phase II estimated cumulative waste placed = 1,072,405 cy

Phase IIIA

Previous Daily Cumulative = 222,174 cy
Operations layer placed directly in Phase IIIA today: (0) loads @ 18 cy/load (0) trucks = cy

Operations layer placed (completed for liner certification = 21,276) cy
Daily Day shift waste placed today: (0) loads @ 17 cy/load (0) trucks = cy
Daily Night shift waste placed today: (0) loads @ 21cy/load (0) trucks = cy

To Date Phase IIIA estimated cumulative waste placed = 222,174 cy

Phase IIIB

Previous Daily Cumulative = 439,547 cy
Operations layer placed (completed) for liner certification. = 21,978 cy

Daily Day shift waste placed from: Galleria/Eastside (0) loads @ 17 cy/lid (0) trucks = cy
Daily Night shift waste placed today: (0) loads @ 21cy/load (0) trucks = cy

To Date Phase IIIB estimated cumulative waste placed = 439,547 cy

Phase IV

Previous Daily Cumulative = 434,225 cy
Operations layer placed (completed) for liner certification = 37,314 cy

Daily Day shift waste placed today: (0) loads @ 17 cy/load (0) trucks = cy
Daily Night shift waste placed today: (0) loads @ 21cy/load (0) trucks = cy

To Date Phase IV estimated cumulative waste placed = 434,225 cy

Phase V

Previous Daily Cumulative = 345,744 cy
Operations layer placed (completed) for liner certification = 40,284 cy

Daily Day shift waste placed from: Eastside and Galleria (0) loads @ 17 cy/load (0) trucks = cy
Daily Night shift waste placed today: (0) loads @ 21cy/load (0) trucks = cy

To Date Phase V estimated cumulative waste placed = 345,744 cy

11/01/09 Volume Adjustment to Correlate with CAMU Placement Survey

123,750 cy

Cumulative Total To Date All Phases = 3,010,731 cy

Estimated Waste at Completion (cy) 2,900,000 % Complete 103.8%

Geosynthetics Placed

Phase I (complete)	Previous	Placed	Cumulative Placed
GCL	307,372	0	307,372
Geomembrane	307,372	0	307,372
Geocomposite	307,372	0	307,372
Geotextile	69,340	0	69,340
Phase II (complete)			
GCL	498,468	0	498,468
Geomembrane	498,468	0	498,468
Geocomposite	520,592	0	520,592
Geotextile	0	0	0
Phase IIIA			
GCL	221,000	0	221,000
Geomembrane	221,000	0	221,000
Geocomposite	221,000	0	221,000
Geotextile	20,000	0	20,000
Phase IIIB			
GCL	340,535	0	340,535
Geomembrane	340,535	0	340,535
Geocomposite	340,535	0	340,535
Geotextile	50,000	0	50,000
Phase IV			
GCL	459,942	0	459,942
Geomembrane	459,942	0	459,942
Geocomposite	459,952	0	459,952
Geotextile	12,390	0	12,390
Phase V			
GCL	558,653	0	558,653

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Geomembrane	558,653	0	558,653
Geocomposite	558,653	0	558,653
Geotextile	15,925	0	15,925

BMI North

GCL	1,111,468	0	1,111,468
Geomembrane	1,111,468	0	1,111,468
Geocomposite	1,111,468	0	1,111,468

BMI South

GCL	177,000	0	177,000
Geomembrane	177,000	0	177,000
Geocomposite	177,000	0	177,000

Debris Storage Area (complete)

Geomembrane	12,000	0	12,000
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CAMU Cover

GCL	664,514	0	664,514
Geomembrane	664,514	0	664,514
Geocomposite	614,800	0	614,800

		Total Geosynthetics for CAMU Basic Scope (sf)	% Complete of Basic Scope	Total Geosynthetics for CAMU Basic Scope +Option Scope	% Complete of Basic Scope + Option Scope
Geosynthetic System Cumulative Total To Date All CAMU Phases	4,338,952	4,151,232	104.5%	6,534,075	66.4%

HEALTH & SAFETY

HEALTH & SAFETY	
Description of Health & Safety Actions Taken Today / Safety Inspections Conducted	
<p>1. Safety Inspections Conducted:</p> <ul style="list-style-type: none"> General safety inspection of the work area. Inspection of electrical equipment and wiring. Inspection of fire extinguishers and fire escape routes. Inspection of first aid kit and safety equipment. 	
<p>2. Health & Safety Actions Taken Today:</p> <ul style="list-style-type: none"> Revised safety protocols for handling hazardous materials. Conducted safety training for new employees. Implemented new safety measures for the construction site. Reviewed and updated the safety manual. 	

Safety Topic:

Safety Topic:
 Eastside Day: Discussed: Haul trucks, run slow in wet and muddy conditions.
 CAMU Day: Discussed: Haul trucks, run slow in wet and muddy conditions.
 Night shift CAMU & Eastside: No activities, night shift canceled due to site conditions.

CONSTRUCTION QUALITY ASSURANCE & QUALITY CONTROL

CONSTRUCTION QUALITY ASSURANCE & QUALITY CONTROL	
Description of Quality Control Actions Taken Today / Quality Inspections Conducted	
1	1. Inspected the foundation and wall construction for proper alignment and reinforcement.
2	2. Checked the concrete pour schedule and ensured all materials were on site.
3	3. Verified the placement of rebar and ties in the foundation and walls.
4	4. Inspected the formwork for leaks and proper bracing.
5	5. Checked the curing process for the concrete walls.
6	6. Inspected the roof structure for proper framing and bracing.
7	7. Checked the installation of roof trusses and rafters.
8	8. Verified the placement of roof sheathing.
9	9. Inspected the roof waterproofing and flashing details.
10	10. Checked the installation of roof ventilation.
11	11. Inspected the roof insulation and vapor barrier.
12	12. Checked the roof drainage system for proper slope and flow.
13	13. Inspected the roof edge details and parapet walls.
14	14. Checked the roof structure for any signs of damage or wear.
15	15. Inspected the roof structure for proper bracing and support.
16	16. Checked the roof structure for any signs of moisture or water damage.
17	17. Inspected the roof structure for any signs of mold or mildew.
18	18. Checked the roof structure for any signs of insect damage.
19	19. Inspected the roof structure for any signs of structural damage.
20	20. Checked the roof structure for any signs of fire damage.
21	21. Inspected the roof structure for any signs of electrical damage.
22	22. Checked the roof structure for any signs of plumbing damage.
23	23. Inspected the roof structure for any signs of HVAC damage.
24	24. Checked the roof structure for any signs of mechanical damage.
25	25. Inspected the roof structure for any signs of environmental damage.
26	26. Checked the roof structure for any signs of weather damage.
27	27. Inspected the roof structure for any signs of seismic damage.
28	28. Checked the roof structure for any signs of wind damage.
29	29. Inspected the roof structure for any signs of snow damage.
30	30. Checked the roof structure for any signs of ice damage.
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116	116. Checked the roof structure for any signs of environmental damage.
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Daily CQA Summary.

Monitored the installation of interim cover.	
Monitored the installation of final cover.	

ISSUES AND/OR ITEMS OF DISCUSSION

Discussion of Issues / Concerns / Conversations / Topics

Night shift canceled due to wet site conditions. It was reported to NDEP by Devin Gordon, MGA, that there was some (run in) water entering the CAMU site at the south west fence line area. Some ponding occurred in that immediate area. A small berm is in place on CAMU side. Olin side has not had anything in place to date. The Olin property has a downgradient fall to the north, toward the CAMU fence line.

SITE VISITORS

[illegible]

Report Prepared By / Title

Richard Laubinger, Construction Manager

Date Prepared

22-Jan-10

Signature _____

Weather Table

Sunny/Clear	☀
Sunny / Partly Cloudy	☂
Cloudy / Partly Sunny	☁
Cloudy	☁
Overcast	☁
Light Rain	☔
Rain	☔
Thunderstorms	⚡
Snow	❄

Basic Remediation Company

875 West Warm Springs Road
Henderson, Nevada 89011

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DAILY PHOTO LOG

Photo 1



CAMU: Phase IIIB, North slope, placed for temporary storm run off.

Photo 2



CAMU: Phase I and Phase II, temporary check dams.

Photo 3



CAMU: Phase I and Phase II, top, LCRS Pipe installation.

Photo 4



CAMU: Phase II and Phase I, LCRS pipe installation and final cover soils.