

Project No./Contract No.	Project Title / Location	Day of Report	Report No.
6389	BRC Eastside Common Areas Soils Remediation	05-Sep-09	417

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

Conditions				Temp (F)		Wind		Add'l Readings	
AM	Sunny / Partly Cloudy	PM	Cloudy / Partly Sunny	Low	81			Precip. (in/Dy.)	0
				High	104	SW	14 mph	Humidity (%)	0

[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 Pynn	Engineer	Oversight	N
Stuart Irwin	QA/QC Tech	Oversight	Y
Roland Derosier	QA/QC Tech	Oversight	Y
Canon Liddell	QA/QC Tech	Oversight	Y
Keith Schwarte	QA/QC Tech	Oversight	Y
Victor Hurrell	QA/QC Tech	Oversight	Y

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

Name	Company	Trade / Work Performed	Y/N
Erik Gehringer	Contact	Project Manager	N
Jeremy Schissler	Contact	Acting Project Manager	N
Josh Carol	Contact	Astt Project Manager	N
Michael Carlson	Contact	Engineer	Y
Joe Curllis, Day	Contact	Health & Safety Officer	Y
Timothy Slatt, Day	Contact	Health and Safety Officer	Y
Roger Wagner, Night	Contact	Eastside Superintendent	N
Russell Karnes	Contact	CAMU, Superintendent, Western Hook.	Y
Lance Bruce, Nights	Contact	Health & Safety Officer	N
Terry Harper, Night	Contact	CAMU, Superintendent	Y
Rock McInire	Contact	CSP: Health & Safety	N
John Frazier - Days	Contact	Health & Safety Officer	N
Eli Blackburn	Contact	Astt Project Manager	N
Scott Zattuau, Day	Contact	Health & Safety Technician	N
Jose Martinez, Night	Contact	Health & Safety Technician	N
	Contact		
	Environmental Specialties, Inc.	Liner Crew. (1) Supt., (10) Laborers/ Seamers	Y
	ABC Survey	Eastside/CAMU/Western Hook	N

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 D8R Dozer with disc, (1)	Eastside	- - - -
CAT 345 excavators, (8)	Eastside and CAMU, Western Hook	- - - -
CAT 330 Excavator (1)	CAMU	- - - -
CAT 365 Excavator (1)	CAMU	- - - -
CAT 08 LSP Dozer (1)	Eastside	- - - -
Water Trucks (3)	Eastside	- - - -
Case backhoe	CAMU	- - - -
CAT 16H Grader	CAMU	- - - -
CAT 09 Dozer	Eastside	- - - -
Water Trucks (4)	CAMU	- - - -
CAT D-6 Dozer, (3)	CAMU	- - - -
CAT 14H Grader	CAMU	- - - -
Gradall, forklift	CAMU	- - - -
J.G.	CAMU	- - - -
Smooth drum Rollers, (3)	CAMU	- - - -
Tenent Street Sweeper	Eastside and CAMU	- - - -
Komatsu Loader	CAMU, Phase 1	- - - -
Chelstan 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		

WORK COMPLETED	
Description of Work Executed Today	
1	1.00
2	2.00
3	3.00
4	4.00
5	5.00
6	6.00
7	7.00
8	8.00
9	9.00
10	10.00
11	11.00
12	12.00
13	13.00
14	14.00
15	15.00
16	16.00
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36	36.00
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38	38.00
39	39.00
40	40.00
41	41.00
42	42.00
43	43.00
44	44.00
45	45.00
46	46.00
47	47.00
48	48.00
49	49.00
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88	88.00
89	89.00
90	90.00
91	91.00
92	92.00
93	93.00
94	94.00
95	95.00
96	96.00
97	97.00
98	98.00
99	99.00
100	100.00

**Day Shift:**

- PUE-5, excavating pond and scraping road, loading out material, hauling to Beta Ditch stockpile.
- PUD-6, excavating and loading out pond material, hauling to Beta Ditch stockpile.
- PUG-7, excavating and loading out pond material, hauling to Beta Ditch stockpile.
- SW-12, excavating and loading out wet pond material, hauling to HP-3 for drying.
- PUB-9, excavating and loading out material, hauling to the Beta Ditch stockpile.
- WST-5, Link belt excavator and D8 dozer pushing up and stockpile dried material.

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<div>- Western hook, continued loading and hauling material to the CAMU for placement.</div> <div><b>- Night Shift:</b> - No Activity.</div> <div><b>CAMU Activity:</b> <b>- Day Shift.</b> - Phase V, ESI liner crew continued installing Geocomposite liner. - Phase V, continued backfilling anchor trench. - Phase V, continued placing operations layer. - Phase V, continued installing LCRS pipe and rock. - Graded waste in Phase I, Phase II, and Phase IIIB. - Phase II, placed western hook material, including shredded wood mixed with soils. <b>- Night Shift:</b> - No Activity.</div> <div><b>Embankment</b> - Phase I embankment, complete. - Phase I estimated cumulative embankment placed: - Phase II embankment , complete.</div> <div><b>Sump/Vadose Monitoring:</b> Phase I: LCRS Sump: Measurement taken: (N/A) Water Pumped : (N/A). Vadose: Measurement taken: (N/A) Water Pumped: (N/A).  Phase II: LCRS Sump: Measurement taken: (N/A) 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).</div> <div><b>Inspections:</b> CAMU: N/A. Eastside: Inspected fence perimeter: All secure.</div>			

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

<b>Phase I</b>	
Previous Daily Cumulative =	311,934 cy
Operations layer placed (completed) for liner certification. = 21,662	0 cy
Daily Day shift waste placed today: Phase IV,V scape & Phase IIIB trench excavation. 0 loads @ 20 cy/load (0 trucks) =	0 cy
Daily Night shift placed today: (0) loads @ 18cy/load (0) trucks =	0 cy
<b>To Date Phase I estimated cumulative waste placed =</b>	<b>311,934 cy</b>
<b>Phase II</b>	
Previous Daily Cumulative =	908,740 cy
Operations layer placed (completed) for liner certification. = 37,188	0 cy
Daily Day shift waste placed today: From Western Hook (0) loads @ 18 cy/load (0) trucks =	0 cy
Daily Day shift waste placed today: Slit Trenches, (0) loads @ 18cy/load (0) trucks =	0 cy
Daily Night shift placed today: (0) loads @ 18cy/load (0) trucks =	0 cy
<b>To Date Phase II estimated cumulative waste placed =</b>	<b>908,740 cy</b>
<b>Phase IIIA</b>	
Previous Daily Cumulative =	222,174 cy
Operations layer placed directly in Phase IIIA today: (0) loads @ 18 cy/load (0) trucks =	0 cy
Operations layer placed (completed for liner certification = 21,276)	0 cy
Daily Day shift waste placed today: From Phase IIIB. (0) loads @ 18 cy/load (0) trucks =	0 cy
Daily Night shift waste placed today: (0) loads @ 18cy/load (0) trucks =	0 cy
<b>To Date Phase IIIA estimated cumulative waste placed =</b>	<b>222,174 cy</b>
<b>Phase IIIB</b>	
Previous Daily Cumulative =	178,416 cy
Operations layer placed (completed) for liner certification. = 21,978	0 cy
Daily Day shift waste placed today: (0) loads @ 18 cy/load (0) trucks =	0 cy
Daily Night shift waste placed today: (0) loads @ 18cy/load (0) trucks =	0 cy
<b>To Date Phase IIIB estimated cumulative waste placed =</b>	<b>178,416 cy</b>
<b>Phase IV</b>	
Previous Daily Cumulative =	74,988 cy
Operations layer placed (completed) for liner certification = 37,314	0 cy
Daily Day shift waste placed today: From ?? (0) loads @ 18 cy/load (0) trucks =	0 cy
Daily Night shift waste placed today: (0) loads @ 18cy/load (0) trucks =	0 cy
<b>To Date Phase IV estimated cumulative waste placed =</b>	<b>74,988 cy</b>
<b>Phase V</b>	
Previous Daily Cumulative =	26,604 cy
Operations layer placed: (258) loads @ 18cy/load (19) trucks =	0 cy
Daily Day shift waste placed today: From ?? (0) loads @ 18 cy/load (0) trucks =	0 cy
Daily Night shift waste placed today: (0) loads @ 18cy/load (0) trucks =	0 cy
<b>To Date Phase V estimated cumulative waste placed =</b>	<b>26,604 cy</b>

Estimated Waste at	
Cumulative Total To Date All Phases =	1,722,856 cy
Completion (cy)	2,050,000
% Complete	84.0%

Geosynthetics Placed

	Previous	Placed	Cumulative Placed
<b>Phase I (complete)</b>			
GCL	307,372	0	307,372
Geomembrane	307,372	0	307,372
Geocomposite	307,372	0	307,372
Geotextile	69,340	0	69,340
<b>Phase II (complete)</b>			
GCL	498,468	0	498,468
Geomembrane	498,468	0	498,468
Geocomposite	520,592	0	520,592
Geotextile	0	0	0
<b>Phase IIIA</b>			
GCL	221,000	0	221,000
Geomembrane	221,000	0	221,000
Geocomposite	221,000	0	221,000
Geotextile	20,000	0	20,000
<b>Phase IIIB</b>			
GCL	340,535	0	340,535
Geomembrane	340,535	0	340,535
Geocomposite	340,535	0	340,535
Geotextile	50,000	0	50,000
<b>Phase IV</b>			
GCL	459,942	0	459,942
Geomembrane	459,942	0	459,942
Geocomposite	459,952	0	459,952
Geotextile	12,390	0	12,390
<b>Phase V</b>			
GCL	538,000	0	560,000
Geomembrane	538,000	0	560,000
Geocomposite	540,000	20,000	560,000
Geotextile	0	0	0

## DAILY PRODUCTION & QUALITY CONTROL REPORT

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**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  
GC

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  
CCI

GCL	0	0	0
Geomembrane	0	0	0
Geocomposite	0	0	0

		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	3,675,785	4,151,232	88.5%	6,534,075	56.3%

## HEALTH & SAFETY

Description of Health &amp; Safety Actions Taken Today / Safety Inspections Conducted

**Safety Topic:**

Eastside Day: Discussed: Holiday weekend, be aware of drivers under the influence.  
CAMU Day: Discussed: Holiday weekend, be aware of drivers under the influence.  
Night shift CAMU & Eastside: No Work.

## CONSTRUCTION QUALITY ASSURANCE & QUALITY CONTROL

Description of Quality Control Actions Taken Today / Quality Inspections Conducted

## Daily CQA Summary

- Monitor waste placement into the CAMU of western hook material during the day shift.
- Monitor the installation of operational fill in Phase V on the day shift.
- Monitor the installation of geosynthetics in Phase V.
- Monitor the backfilling of anchor trench in Phase V.

### ISSUES AND/OR ITEMS OF DISCUSSION

Discussion of Issues / Concerns / Conversations / Topics

## SITE VISITORS

[illegible]

Report Prepared By / Title

**Richard Laubinger, Construction Manager**

Date Prepared

5-Sep-09

Signature \_\_\_\_\_

### Weather Table

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

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DAILY PHOTO LOG



CAMU: Phase V.

Photo 2



CAMU: Phase V.

Photo 3



CAMU: Phase V.

Photo 4



CAMU: Control panel for leachate sump and vadose zone.