

Project No./Contract No.	Project Title / Location	Day of Report	Report No.
6389	BRC Eastside Common Areas Soils Remediation	28-Jan-10	555

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	Sunny/Clear	Low	36			Precip. (in/Dy)	0
				High	55	N	10mph	Humidity (%)	0

[illegible]

Employee Information		Performance Review	
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	N
Rebecca Flynn	Engineer	Oversight	N
Camron Ludeke	QA/QC Tech	Y	Y
Graciano Malina	QA/QC Tech	Oversight	Y
Victor Heredia	QA/QC Tech	Oversight	Y
John Duncan	QA/QC Tech	Oversight	Y

Name	Position	Trade / Work Performed	Y/N
Doug Herlocker, Tetra Tech	Air Monitoring Specialist	Air Monitoring	N
Becky Dano, Tetra Tech	Air Monitoring Specialist	Air Monitoring	Y

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

Name	Company	Trade / Work Performed	Y/N
Erik Gehring	Entact	Project Manager	Y
Elil Blackburn	Entact	Asst Project Manager	Y
Josh Carroll	Entact	Asst Project Manager, Eastside Manager	Y
Michael Carlson	Entact	Engineer	Y
Joe Curllis, Day	Entact	Health & Safety Officer	Y
Timothy Stadl, Day	Entact	Health and Safety Officer	N
Roger Wagner, Night	Entact	Eastside, Superintendent	N
Russell Karnes	Entact	CAMU, Superintendent, Western Hook.	Y
Lance Bruce, Night	Entact	Health & Safety Officer	Y
Terry Harper, Night	Entact	CAMU, Superintendent	Y
Rick McIntire	Entact	CSP, Health & Safety	N
Scott Zattau, Day	Entact	Health & Safety Officer	Y
Jose Martinez, Night	Entact	Health & Safety Officer	Y
Dawn Breedlove	Entact	Health & Safety Technician	Y
	Environmental Specialties, Inc.	Liner Crew. (1) Supt. (10) Laborers/ Seamens mobilized.	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, (4)		Eastside and CAMU.	-	-	-
CAT 330 Excavator (1)		CAMU	-	-	-
Linkbelt 330LX Excavator (1)		CAMU	-	-	-
CAT D6 LGP Dozer (1)		Eastside	-	-	-
Water Trucks (3)		Eastside	-	-	-
Case 580 backhoe		CAMU	-	-	-
12,000 gal Water Towers (3)		CAMU and Eastside.	-	-	-
CAT D6 Dozer		Eastside	-	-	-
Water Trucks (3)		CAMU	-	-	-
CAT D-6 Dozer, (3)		CAMU	-	-	-
CAT 14H Grader		CAMU	-	-	-
Rock Crusher		CAMU	-	-	-
Kawasaki Loader		CAMU	-	-	-
Smooth drum Rollers, (3)		CAMU	-	-	-
Tenent Street Sweeper		Eastside and CAMU	-	-	-
Komatsu Loader		CAMU and Eastside.	-	-	-
Cherlain 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		

**Easteide Mixing and Drying Activity:**

**Day Shift:**

- Continued final scrape of Beta Ditch, SW and HP Ponds, hauling material to Beta Ditch stockpile.
- Resumed day haul with over the road trucks from the eastside Beta Ditch stockpile to CAMU.
- GES/Eagle, continued to collect samples in spraywheel.

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<b>- Night Shift:</b> - Hauled material from Beta Ditch stockpiles.			
<b>CAMU Activity:</b> <b>- Day Shift</b> - Continued crushing rock along clean haul road. - Continued placing 6" minus, final cover soils on Phase I and Phase II, east slope. - Graded haul roads. - Uncover toe of slope at Phase IIIB, north. - ESI liner crew, continued installing geosynthetics on Phase I and Phase II. - Entact monitored and pumped water as needed at Phase V sump.  <b>- Night Shift:</b> - Placed material in Phase V. - Entact monitored and pumped water as needed at Phase V sump.			
<b>Embankment</b> - Phase I embankment, complete. - Phase 1 estimated cumulative embankment placed: - Phase II embankment, complete.			
<b>Sump/Vadose Monitoring:</b> <div>Phase I: LCRS Sump: Measurement taken: (1.225) Water Pumped: (N/A). Vadose: Measurement taken: (0.583) Water Pumped: (N/A).</div> <div>Phase II: LCRS Sump: Measurement taken: (2.467) Water Pumped: (N/A). Vadose: Measurement taken: (N/A) Water pumped: (N/A).</div> <div>Phase IIIB: LCRS Sump: Measurement taken: (N/A) Water Pumped: (N/A). Vadose: Measurement taken: (N/A) Water Pumped: (N/A).</div> <div>Phase V: LCRS Sump: Measurement taken: (2.8) Water pumped: (8,949 gal).</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 =	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
<b>Phase II</b>		
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
<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 =		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
<b>Phase IIIB</b>		
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/ld (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
<b>Phase IV</b>		
Previous Daily Cumulative =	437,669	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 =	437,669	cy
<b>Phase V</b>		
Previous Daily Cumulative =	367,999	cy
Operations layer placed (completed) for liner certification = 40,284		cy
Daily Day shift waste placed from: Eastside, (117) loads @ 17 cy/load (10) trucks =	1,989	cy
Daily Night shift waste placed today: (381) loads @ 21cy/load (19) trucks =	8,001	cy
To Date Phase V estimated cumulative waste placed =	377,989	cy
11/01/09 Volume Adjustment to Correlate with CAMU Placement Survey	123,750	cy
12/31/09 Volume Adjustment to Correlate with CAMU Placement Survey	56,834	cy

		Estimated Waste at	
		Completion	
		(cy)	% Complete
Cumulative Total To Date All Phases =	3,103,254	cy	107.0%

Geosynthetics Placed

<b>Phase I (complete)</b>	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
<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>			

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GCL	558,653	0	558,653
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**

Cover	737,514	0	737,514
GCL	737,514	0	737,514
Geomembrane	737,514	0	737,514
Geocomposite	614,800	74,200	689,000

		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	4,423,952	4,151,232	88.8%	6,534,075	67.7%

## 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"> <li>General safety inspection of the work area.</li> <li>Inspection of electrical equipment and wiring.</li> <li>Inspection of fire extinguishers and fire escape routes.</li> <li>Inspection of first aid kit and safety equipment.</li> </ul>	
<p>2. Health &amp; Safety Actions Taken Today:</p> <ul style="list-style-type: none"> <li>Provided safety training to new employees.</li> <li>Conducted a safety drill for fire evacuation.</li> <li>Reviewed and updated safety protocols.</li> <li>Conducted a risk assessment for the new project.</li> </ul>	

**Safety Topic:**

Eastside Day: Discussed: Offsite, another project incident, faulty emergency brake resulted in crushing injuries.  
CAMU Day: Discussed: Offsite, another project incident, faulty emergency brake resulted in crushing injuries.  
Night shift CAMU & Eastside: Discussed: Slowing down on the muddy haul roads.

## CONSTRUCTION QUALITY ASSURANCE & QUALITY CONTROL

Description of Quality Control Actions Taken Today / Quality Inspections Conducted

**Daily CQA Summary.**

Monitored waste placement from the eastside to the CAMU on the day shift.  
Monitored waste placement from the eastside to the CAMU on the night shift.  
Monitored placement of final cover soils on the day shift.  
Monitored the installation of geocomposite on the day shift.

### ISSUES AND/OR ITEMS OF DISCUSSION

Discussion of Issues / Concerns / Conversations / Topics

Phase IIIB at anchor trench north, a couple of depressions were noticed. It was inspected by MGA, Entact, Geosyntec and Weston following the POD meeting. It was determined to inspect and repair in the morning.

## SITE VISITORS

[illegible]

Report Prepared By / Title

Date Prepared

Signature \_\_\_\_\_

**Richard Laubinger, Construction Manager**

28-Jan-10

### Weather Table

Sunny/Clear	☀
Sunny / Party 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: Eastslope, Phase I and Phase II. Final cover soils.

Photo 2



CAMU: Phase I and Phase II, final cover soils.

Photo 3



CAMU: Phase I and Phase II, geocomposite.

Photo 4



CAMU: Phase I and Phase II, placing final cover soils.