

Project No./Contract No.	Project Title / Location	Day of Report	Report No.
6389	BRC Eastside Common Areas Soils Remediation	23-Feb-10	581

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/Clear	PM	Sunny/Clear	Low	35		Precip. (in/hr)	0
				High	57	NE 3mph	Humidity (%)	0
Additional Weather Comments								

[illegible]

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

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][illegible]

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		2448		
Geomembrane	Agru	0	rolls	For CAMU, On site		552		

**Eastside Activity:**

- **Day Shift:**
  - Continued final scrape at Beta Ditch east to west, floor.
  - Continued scraping laydown yardload trailer area.
  - Continued scraping haul road. Hauled all material to Beta Ditch stockpile and/or main haul road stockpile.
  - GES, sampling 7B.
- **Night Shift:**
  - Material moved from the Beta Ditch stockpile

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- Hauled material from the Beta Ditch stockpiles.

## CAMU Activity:

### - Day Shift:

- Continued power screening 1" and 6" minus material.
- ESI deployed geosynthetics on Phase IV, north slope.
- Continued grading interim cover on Phase IV, north slope, east end.
- Continued finish grading final cover soil on west slope and top of Phase I and Phase II.
- Phase II, vibratory rolled south slope.
- Phase IV, continued removing excess soil from the toe of the south slope.
- Entact monitored sumps.

### - Night Shift:

- Placed material in Phase IV and Phase V.

## Embankment

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

## Sump/Vadose Monitoring:

Phase I: LCRS Sump: Measurement taken: (1.442) Water Pumped: (N/A).  
Vadose: Measurement taken: (0.583) Water Pumped: (N/A).

Phase II: LCRS Sump: Measurement taken: (2.250) 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: (2.150) Water pumped: (525 gal).  
Vadose: Measurement taken: (N/A) Water Pumped: (N/A).

Inspections: CAMU: 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/d (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 = 483,197 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: (6) loads @ 21cy/load (2) trucks = 126 cy

**To Date Phase IV estimated cumulative waste placed = 483,323 cy**

### Phase V

Previous Daily Cumulative = 506,593 cy  
Operations layer placed (completed) for liner certification = 40,284 cy

Daily Day shift waste placed from: Eastside, (0) loads @ 17 cy/load (0) trucks = cy  
Daily Night shift waste placed today: (361) loads @ 21cy/load (16) trucks = 7,581 cy

**To Date Phase V estimated cumulative waste placed = 514,174 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 =	3,285,093 cy	113.3%

## 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			

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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

<b>BMI North</b>			
GCL	1,111,468	0	1,111,468
Geomembrane	1,111,468	0	1,111,468
Geocomposite	1,111,468	0	1,111,468

<b>BMI South</b>			
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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<b>CAMU Cover</b>			
GCL	1,112,000	65,000	1,177,000
Geomembrane	1,112,000	65,000	1,177,000
Geocomposite	1,112,000	0	1,112,000

		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	4,863,438	4,151,232	88.8%	6,534,075	74.4%

HEALTH & SAFETY

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

Safety Topic:

Eastside Day: Discussed: No horseplay on the worksite.  
CAMU Day: Discussed: No horseplay on the worksite.  
Night shift CAMU & Eastside: Haul trucks safety during inspections.

CONSTRUCTION QUALITY ASSURANCE & QUALITY CONTROL

Description of Quality Control Actions Taken Today / Quality Inspections Conducted

Daily CQA Summary

Monitor waste placement of eastside material in the CAMU on the night shift.  
Monitor the placement of final cover.  
Monitor the placement of interim cover.  
Monitor the installation of geosynthetics.

ISSUES AND/OR ITEMS OF DISCUSSION

Discussion of Issues / Concerns / Conversations / Topics

SITE VISITORS

Name	Organization	Purpose of Visit			

Report Prepared By / Title

Richard Laubinger, Construction Manager

Date Prepared

23-Feb-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 IV, North slope.

Photo 2



CAMU: Phase IV, South slope, toe.

Photo 3



CAMU: Phase IV, North slope.

Photo 4



Eastside: Beta Ditch.