

Project No./Contract No.	Project Title / Location	Day of Report	Report No.
6389	BRC Eastside Common Areas Soils Remediation	13-Jan-10	540

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 / Party Cloudy	PM	Sunny / Party Cloudy	Low 37		Precip. (in/Dy.)	0
				High 57	S 7mph	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 Flynn	Engineer	Oversight	N
Samon Littlefield	QA/QC Tech	Oversight	Y
Graciiano Malaina	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 Rakivca	Inspector	NDEP	N
Steve Morrow, ASW	Inspector	Liner Inspector	N
PBS&J, Survey	Surveyors	Survey	Y

[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		

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
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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:**

- HP, CTR and SW ponds, continued final scrape, loading and hauling to Beta ditch stockpile.
- Beta ditch, running north and south, continued scraping floor, hauling to Beta ditch stockpile.
- HP berm, loading OTR day trucks and hauling to CAMU, Phase V for placement.
- Galleria scrap, continued loading OTR day trucks from Parcel 14 and Parcel 4, hauling to CAMU, Phase V for placement.

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- Hauled material from Beta Ditch stockpiles.

## CAMU Activity:

### - Day Shift:

- Continued placing material from Eastside and Galleria in Phase V.
- Continued finish grading interim cover on Phase I, Phase II and Phase IIIB.
- Power screening 1" and 6" minus soils at 200,000 cy stockpile.
- Graded waste in Phase IIIB, Phase IV and Phase V.
- Phase IIIB, grading north slope.
- ESI liner crew, continued installing geosynthetics on top of Phase II and Phase I.
- Continued rolling Phase IIIA.
- GES collected water samples from sumps.
- Enact monitored Phase I, Phase II, Phase IIIB and Phase V, 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: (1,063)	Water Pumped: (N/A).
	Vadose: Measurement taken: (0,583)	Water Pumped: (N/A).
Phase II:	LCRS Sump: Measurement taken: (2,450)	Water Pumped: (750 gal).
	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: (1,117)	Water Pumped: (N/A).
	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
<b>To Date Phase I estimated cumulative waste placed =</b>	<b>372,886</b>	<b>cy</b>

### 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
<b>To Date Phase II estimated cumulative waste placed =</b>	<b>1,072,405</b>	<b>cy</b>

### 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
<b>To Date Phase IIIA estimated cumulative waste placed =</b>	<b>222,174</b>	<b>cy</b>

### 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/l'd (0) trucks =		cy
Daily Night shift waste placed today: (0) loads @ 21cy/load (0) trucks =		cy
<b>To Date Phase IIIB estimated cumulative waste placed =</b>	<b>439,547</b>	<b>cy</b>

### Phase IV

Previous Daily Cumulative =	425,804	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: (124) loads @ 21cy/load (12) trucks =	2,604	cy
<b>To Date Phase IV estimated cumulative waste placed =</b>	<b>428,408</b>	<b>cy</b>

### Phase V

Previous Daily Cumulative =	310,400	cy
Operations layer placed (completed) for liner certification = 40,284		cy
Daily Day shift waste placed from: Eastside and Galleria (187) loads @ 17 cy/load (14) trucks =	3,179	cy
Daily Night shift waste placed today: (258) loads @ 21cy/load (18) trucks =	5,418	cy
<b>To Date Phase V estimated cumulative waste placed =</b>	<b>318,997</b>	<b>cy</b>

11/01/09 Volume Adjustment to Correlate with CAMU Placement Survey	123,750	cy
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	Estimated Waste at Completion (cy)	% Complete
Cumulative Total To Date All Phases =	2,978,167	102.7%
	2,900,000	

## 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	602,514	28,000	630,514
Geomembrane	602,514	28,000	630,514
Geocomposite	397,000	0	397,000

		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	4,304,952	4,151,232	103.7%	6,534,075	65.9%

## HEALTH & SAFETY

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

**Safety Topic:**

Eastside Day: Discussed: Eye protection.  
CAMU Day: Discussed: Eye protection.  
Night shift CAMU & Eastside: Discussed: Pay attention. Slips, trips and falls.

## CONSTRUCTION QUALITY ASSURANCE & QUALITY CONTROL

Description of Quality Control Actions Taken Today / Quality Inspections Conducted

Daily CQA Summary.

Monitored waste placement into the CAMU of eastside and Galleria material on the day shift.  
Monitored waste placement into the CAMU of eastside material on the night shift.  
Monitored the placement of interim cover and perform density testing on the day shift.  
Monitored the compaction and final grading of the final cover on the day shift.  
Monitored the installation of geosynthetics on Phase I and Phase II.

### ISSUES AND/OR ITEMS OF DISCUSSION

Discussion of Issues / Concerns / Conversations / Topics

## SITE VISITORS

[illegible]

Report Prepared By / Title

Date Prepared

Signature \_\_\_\_\_

**Richard Laubinger, Construction Manager**

13-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



Eastside: Galleria scrape, Parcel 14.

Photo 2



CAMU: Phase IIIA.

Photo 3



CAMU: Phase II top.

Photo 4



Eastside: Beta ditch, floor scrape.