

Project No./Contract No.	Project Title / Location	Day of Report	Report No.
6389	BRC Eastside Common Areas Soils Remediation	04-Sep-09	416

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	83			Precip. (in/Dy.)	0
				High	107	SW	10 mph	Humidity (%)	0

ON-SITE WESTON PERSONNEL

[illegible]

Name	Position	Trade / Work Performed	Y/N
Greg Corcoran	Design Engineer	Oversight	Y
Dan Street	QA Manager	Oversight	N
Jim Cox	QA/QC Supervisor	Oversight	Y
Rebecca Flynn	Engineer	Oversight	N
Stuart Irwin	QA/QC Tech	Oversight	Y
Roland Derostier	QA/QC Tech	Oversight	Y
Canon Liddell	QA/QC Tech	Oversight	Y
Kath Schwallie	QA/QC Tech	Oversight	Y
Victor Hendea	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
Jill Dale, 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, Site visit	Y
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		2442		
Geomembrane	Agru	0	rolls	For CAMU, On site		558		

Work Completed	
Description of Work Executed Today	

**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.
- PU-9, excavating and stockpiling.
- Beta Ditch, power screening 1" and 6" minus soils. Completed.

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- WST-5, D8 dozer pushing up dried material.
- Western hook, continued loading and hauling material to the CAMU for placement.

- **Night Shift:**
- Hauled material from Beta Ditch and SW-4 stockpiles.

CAMU Activity:

- **Day Shift**
- 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.
- HW2, worked on concrete.
- Jansen poured concrete wing walls at HW #3 and concrete collar on 60" pipe.
- Graded waste in Phase I, waste II, and Phase IIB.
- Phase II, placed western huck material, including shredded wood mixed with soils.
- Entact monitored the depth of waste in Phase I LCRS Spill and Phase I Vadose zone. Also Phase II LCRS Spill.

- **Night Shift:**
- Placed material in Phase II, IIIB, IV.
- Placed operations layer material in Phase V.

## Embankment

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

Sump/Vadose Monitoring

Phase 1: LCRS Sump: Measurement taken: (2.7) Water Pumped : (N/A).  
Vadose: Measurement taken: (0.6) Water Pumped: (N/A).

Phase II: LCRS Sump: Measurement taken: (2.6) Water Pumped: (N/A).  
Vadose: Measurement taken: (N/A) Water pumped: (N/A)

Phase III: I CRS Summary 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 =	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>

## Phase II

Previous Daily Cumulative =	907,120	cy
Operations layer placed (completed) for liner certification. = 37,188		cy
Daily Day shift waste placed today: From Western Hook (90) loads @ 18 cy/load (10) trucks =	1,620	cy
Daily Day shift waste placed today: Silt Trenches, (9) loads @ 18cy/load (10) trucks =		
Daily Night shift placed today: (0) loads @ 18cy/load (0) trucks =		
<b>To Date Phase II estimated cumulative waste placed =</b>	<b>908,740</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 =	
Operations layer placed (completed for liner certification = 21,276)	cy
Daily Day shift waste placed today: From Phase IIIB. (0) loads @ 18 cy/load (0) trucks =	cy
Daily Night shift waste placed today: (0) loads @ 18cy/load (0) trucks =	cy
<b>To Date Phase IIIA estimated cumulative waste placed =</b>	<b>222,174 cy</b>

### Phase IIIB

Previous Daily Cumulative =	178,308 cy
Operations layer placed (completed) for liner certification. = 21,978	cy
Daily Day shift waste placed today: (0) loads @ 18 cy/load (0) trucks =	cy
Daily Night shift waste placed today: (6) loads @ 18cy/load (3) trucks =	108 cy
<b>To Date Phase IIIB estimated cumulative waste placed =</b>	<b>178,416 cy</b>

#### Phase IV

Previous Daily Cumulative =	74,898 cy
Operations layer placed (completed) for liner certification = 37,314	cy
Daily Day shift waste placed today: From ?? (0) loads @ 18 cy/load (0) trucks =	
Daily Night shift waste placed today: (5) loads @ 18cy/load (2) trucks =	90 cy
<b>To Date Phase IV estimated cumulative waste placed =</b>	<b>74,988 cy</b>

### Phase V

Previous Daily Cumulative =	21,960 cy
Operations layer placed: (258) loads @ 18cy/load (19) trucks =	4,644 cy
Daily Day shift waste placed today: From ?? (0) loads @ 18 cy/load (0) trucks =	cy
Daily Night shift waste placed today: (0) loads @ 18cy/load (0) trucks =	cy
<b>To Date Phase V estimated cumulative waste placed =</b>	<b>26,604 cy</b>

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

### 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
<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	460,000	80,000	540,000
Geotextile	0	0	0

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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**

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 (\$f)	% 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 drunk drivers.  
CAMU Day: Discussed: Holiday weekend, be aware of drunk drivers.  
Night shift CAMU & Eastside: Discussed: Holiday weekend, be aware of drunk drivers

## 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 eastside material on the night shift.
- 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 night shift.
- Monitor the installation of operational fill in Phase V on the day shift.
- Monitor the installation of geosynthetics in Phase V.
- Monitor the construction of storm drain system.
- 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

4-Sep-09

Signature \_\_\_\_\_

### 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: Headwall #3.

Photo 2



CAMU: Headwall #3.

Photo 3



CAMU: Manhole #8, concrete collar.,

Photo 4



CAMU: Headwall #2.