

Project No./Contract No.	Project Title / Location	Day of Report	Report No.
6389	BRC Eastside Common Areas Soils Remediation	03-Feb-10	561

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	41			Precip. (in/Dy.)	0
				High	59	NW	6mph	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
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	Y	
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

[illegible]

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
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	

**Eastside Mixing and Drying Activity:**

**Day Shift:**

- Continued final scrape at south of SW Pond, and south of HP-3 areas.
- Continued excavating Beta Ditch north and south area. Hauling to Beta ditch stockpile at west end.
- Day hauling continued from Beta Ditch stockpile to CMMU for placement.

**Night Shift:**

- Hauling material from Beta Ditch stockpiles

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**CAMU Activity:**

**- Day Shift**

- Rock crushing at stockpiled rock next to clean haul rd.
- Continued to uncover toe of slope at anchor trench for liner tie in on Phase I and Phase II.
- Continued to place 1" and 6" final cover soils on Phase I, Phase II and Phase IIIB.
- Continued placing material from eastside in Phase V.
- Continued placing CPE drain pipe and rock on Phase I, Phase II and Phase IIIB.
- ESI liner crew, continued installing geosynthetics on Phase I, Phase II and Phase IIIB.
- Entact monitored Phase V sump.
- GES collected water samples in Phase I, Phase II and Phase V sumps.

**- Night Shift:**

- Placed material in Phase IV and 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: (1.333) Water Pumped: (300 gal).  
Vadose: Measurement taken: (0.563) Water Pumped: (N/A).

Phase II: LCRS Sump: Measurement taken: (2.675) Water Pumped: (1,200 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: (2.908) Water pumped: (1,207 gal).  
Phase note 2-2-10, correction, Water pumped (1,750gal).  
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

**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 cyld (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 = 451,256 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: (130) loads @ 21cy/load (4) trucks = 2,730 cy

**To Date Phase IV estimated cumulative waste placed = 453,986 cy**

**Phase V**

Previous Daily Cumulative = 414,594 cy  
Operations layer placed (completed) for liner certification = 40,284 cy

Daily Day shift waste placed from: Eastside, (146) loads @ 17 cy/load (10) trucks = 2,482 cy  
Daily Night shift waste placed today: (253) loads @ 21cy/load (10) trucks = 5,313 cy

**To Date Phase V estimated cumulative waste placed = 422,389 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 =	3,163,971 cy	2,900,000	109.1%

**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

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	845,300	29,100	874,400
Geomembrane	845,300	29,100	874,400
Geocomposite	812,400	0	812,400

		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	4,560,838	4,151,232	88.8%	6,534,075	69.8%

HEALTH & SAFETY

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

Safety Topic:

Eastside Day: Discussed: Identify and report unsafe acts.  
CAMU Day: Discussed: Identify and report unsafe acts.  
Night shift CAMU & Eastside: Discussed: Avoiding back injuries on the job.

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 the installation of geosynthetics.  
Monitored installation of final cover soils.

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

3-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 I, Phase II, CPE, drain pipe installation.

Photo 2



CAMU: Phase I, Phase II, final cover placement.

Photo 3



CAMU: Phase IIIB.

Photo 4



CAMU: Phase IIIB.