

Project No./Contract No.	Project Title / Location	Day of Report	Report No.
6389	BRC Eastside Common Areas Soils Remediation	11-Nov-09	483

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	Cloudy / Partly Sunny	PM	Cloudy	Low	54			Precip. (in/Dy.)	0
				High	76	S	3mph	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
Shawn Irwin		QA/QC Tech	Oversight	Y
Camron Liddell		QA/QC Tech	Oversight	Y
Graciano Maliana		QA/QC Tech	Oversight	Y
Kevin Brown		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 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, (8)	Eastside, CAMU and Galleria	- - -
CAT 330 Excavator (1)	CAMU	- - -
CAT 365 Excavator (1)	CAMU	- - -
CAT 08 LSP Dozer (1)	Eastside	- - -
Water Trucks (3)	Eastside	- - -
Case backhoe	CAMU	- - -
CAT 16H Grader	CAMU	- - -
CAT 09 Dozer	Eastside	- - -
Water Trucks (4)	CAMU	- - -
CAT D-6 Dozer, (3)	CAMU	- - -
CAT 14H Grader	CAMU	- - -
Gradall, forklift	CAMU	- - -
J.G.	CAMU	- - -
Smooth drum Rollers, (3)	CAMU	- - -
Tenent Street Sweeper	Eastside and CAMU	- - -
Komatsu Loader	CAMU and Eastside.	- - -
Chelstan 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	

**Day Side Mixing and Drying Activity:**

**Day Shift:**

- Continued excavating and stockpiling material in PUA-10, CTR-2 and CTR-3.
- Continued excavating and loading from WST-5, WST-2, WST-3, WST-7 and WST-6, hauling to Beta Ditch stockpile.
- Continued excavating HP-4 berms, loading OTR trucks and hauling to CAMU for placement.
- Galleria Scribe continued stockpiling and loading OTR trucks, hauling to CAMU for placement.

**Night Shift:**

- Continued excavating from CTR-4 and Beta Ditch stockpile.

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<div>- Hauled material from CTR-4 and Beta Ditch stockpiles.</div> <div><b>CAMU Activity:</b></div> <div><b>- Day Shift:</b><div>- ESI installing geosynthetics on Phase II, south slope and top of south end.</div><div>- Placed material hauled in from Eastside and Galleria scrape into Phase V.</div><div>- Entact monitored Phase I, Phase II, Phase IIIB and Phase V sumps.</div><div>- GES collected samples from Phase I, Phase II and Phase V sumps.</div><div>- Continued screening operation at 200,000 cy stockpile.</div><div>- Phase IIIA, D6 dozer placed second lift of final cover soil.</div><div>- Phase II, continued grading west slope and toe of slope.</div><div>- BMI North, grading with motorgrader.</div></div> <div><b>- Night Shift:</b><div>- Placed material in Phase I, Phase II, Phase IIIB, Phase IV and Phase V.</div></div> <div><b>Embankment</b><div>- Phase 1 embankment, complete.</div><div>- Phase 1 estimated cumulative embankment placed:</div><div>- Phase II embankment , complete.</div></div> <div><b>Sump/Vadose Monitoring:</b><div>Phase I: LCRS Sump: Measurement taken: (1.1) Water Pumped: (N/A). Vadose: Measurement taken: (0.6) Water Pumped: (N/A).</div><div>Phase II: LCRS Sump: Measurement taken: (2.3) 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: (1.4) Water Pumped: (N/A).</div></div> <div><b>Inspections:</b> CAMU: N/A.</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 =	372,823 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>372,823 cy</b>
<b>Phase II</b>	
Previous Daily Cumulative =	1,066,924 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: (107) loads @ 21 cy/load (14) trucks =	2,247 cy
<b>To Date Phase II estimated cumulative waste placed =</b>	<b>1,069,171 cy</b>
<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
<b>To Date Phase IIIA estimated cumulative waste placed =</b>	<b>222,174 cy</b>
<b>Phase IIIB</b>	
Previous Daily Cumulative =	328,415 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: (271) loads @ 21cy/load (20) trucks =	5,691 cy
<b>To Date Phase IIIB estimated cumulative waste placed =</b>	<b>334,106 cy</b>
<b>Phase IV</b>	
Previous Daily Cumulative =	215,466 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
<b>To Date Phase IV estimated cumulative waste placed =</b>	<b>215,466 cy</b>
<b>Phase V</b>	
Previous Daily Cumulative =	75,880 cy
Operations layer placed (completed) for liner certification = 40,284	cy
Daily Day shift waste placed from: Galleria/Eastside (314) loads @ 17 cy/load (20) trucks =	5,338 cy
Daily Night shift waste placed today: (0) loads @ 21cy/load (0) trucks =	cy
<b>To Date Phase V estimated cumulative waste placed =</b>	<b>81,218 cy</b>

<b>Cumulative Total To Date All Phases =</b>		<b>2,294,958 cy</b>	<b>Estimated Waste at Completion (cy)</b>	<b>% Complete</b>
			2,700,000	85.0%

**Geosynthetics Placed**

	Previous	Placed	Cumulative Placed
<b>Phase I (complete)</b>			
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	558,653	0	558,653
Geomembrane	558,653	0	558,653
Geocomposite	558,653	0	558,653
Geotextile	15,925	0	15,925

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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

GCL	278,200	51,400	329,600
Geomembrane	278,200	51,400	329,600
Geocomposite	205,500	0	205,500

		Total Geosynthetics for CAMU Basic Scope	% 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	4,004,038	4,151,232	96.5%	6,534,075	61.3%

## HEALTH & SAFETY

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

**Safety Topic:**

Eastside Day: Discussed: Cell phone usage.  
CAMU Day: Discussed: Cell phone usage.  
Night shift CAMU & Eastside: Discussed: Industrial accidents.

## CONSTRUCTION QUALITY ASSURANCE & QUALITY CONTROL

Description of Quality Control Actions Taken Today / Quality Inspections Conducted

**Daily CQA Summary.**

**Waste Cover Summary**

- Monitor waste placement into the CAMU of Eastside and Galleria material during the day shift.
- Monitor waste placement into the CAMU of Eastside material during the night shift.
- Monitor the installation of final cover for CAMU closure.
- Monitor grading of interim cover for CAMU closure.
- Monitor the installation of geosynthetics on Phase II.
- Monitor final grading of BMI North landfill.
- Perform eastside waste sampling as requested by Entact.

### 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

11-Nov-09

Signature \_\_\_\_\_

### Weather Table

Sunny/Clear	☀
Sunny / Party Cloudy	☀☁
Cloudy / Partly Sunny	☁☀
Cloudy	☁
Overcast	☁☁☁
Light Rain	☔
Rain	☔☔☔
Thunderstorms	⚡
Snow	❄

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**DAILY PHOTO LOG**

Photo 1



CAMU: Phase II.

Photo 2



CAMU: Phase II.

Photo 3



CAMU: Phase II.

Photo 4



CAMU: Phase II.