

Project No./Contract No.	Project Title / Location	Day of Report	Report No.
6389	BRC Eastside Common Areas Soils Remediation	09-Sep-09	420

Position	Name	E-Mail Address	Phone No.
BRC PROJECT MANAGER	Lee Farris	lfarris@landwellco.com	702-567-0400
BRC PROJECT MANAGER	Ranjati Sahu	sahuranj@earthlink.net	702-567-0400
CONST. PROJECT MANAGER	Dan Brennecke	Dan.Brennecke@westonsolutions.com	970-260-5886
Construction Manager	Richard I. Aubinger	Richard.I.aubinger@westonsolution.com	770-641-8660

Conditions				Temp (°F)		Wind		Add'l Readings	
AM	Sunny/Clear	PM	Sunny/Clear	Low	78			Precip. (in/dy.)	0
				High	101	S	3 mph	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
Stuart Irwin	QA/QC Tech	Oversight	Y
Roland Derosier	QA/QC Tech	Oversight	Y
Canon Liddell	QA/QC Tech	Oversight	Y
Kath Schwaite	QA/QC Tech	Oversight	Y
Victor Hurrell	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	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

Eastside Mixing and Drying Activity:

Day Shift:

- PUC-8, excavating/loading and hauling material to Beta Ditch stockpile.
- PUC-5, stockpiling with excavator.
- PUC-8 and PUC-8, excavating along sewer alignment, loading and hauling to the Beta Ditch stockpile.
- SW-12, excavating, loading and hauling wet material to CTR ponds for drying.
- WST-5, pushing up dried material and stockpiling.
- Western Haul, excavator continued stockpiling.

Eastside Mixing and Drying horses with OTR trucks from Beta Ditch stockpile to Phase II for placement

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<p>- Eastside day hauling began with OTR trucks from Beta Ditch stockpile to Phase II for placement.</p> <p>-Night Shift:</p> <p>- Hauled material from Beta Ditch, operations layer material and WST-5 stockpile.</p> <p>CAMU Activity:</p> <p>- Day Shift.</p> <p>- Phase V, ESI continued cleanup. Installed LCRS pipe and rock.</p> <p>- Phase V, ESI performed an inspection and repair of an inadvertent breach of a cross seam that came loose while operations layer was being placed. This was immediately recognized by both geosyntec and entact spotters. Work was stopped immediately.</p> <p>- Phase V, Pushed out and placed operations layer.</p> <p>- Phase V, continue backfilling anchor trench.</p> <p>- Phase V, concrete was poured and finished for the control panel pad.</p> <p>- Phase II, placed eastside waste material, hauled by OTR trucks.</p> <p>- Entact measured depth of water in Phase I LCRS Sump and Vadose zone. Also Phase II LCRS Sump.</p> <p>- GES collected water sample from monitoring well next to Phase I LCRS sump. Also Phase II LCRS Sump.</p> <p>- Power screener continued screening 1" and 6" minus soils, north berm, along clean haul rd.</p> <p>- Night Shift:</p> <p>- Continued placing operations layer material in Phase V.</p> <p>- Placed waste material in Phase II.</p> <p>Embankment</p> <p>- Phase I embankment, complete.</p> <p>- Phase I estimated cumulative embankment placed:</p> <p>- Phase II embankment, complete.</p> <p>Sump/Vadose Monitoring:</p> <p>Phase I: LCRS Sump: Measurement taken: (2.8) Water Pumped: (N/A).</p> <p>Vadose: Measurement taken: (0.6) Water Pumped: (N/A).</p> <p>Phase II: LCRS Sump: Measurement taken: (2.1) Water Pumped: (700 gal).</p> <p>Vadose: Measurement taken: (N/A) Water pumped: (N/A).</p> <p>Phase IIIA: LCRS Sump: Measurement taken: (N/A) Water Pumped: (N/A).</p>			

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 scrape & Phase IIIB trench excavation. 0 loads @ 21 cy/load (0 trucks) =	0 cy
Daily Night shift placed today: (0) loads @ 18cy/load (0) trucks =	0 cy
To Date Phase I estimated cumulative waste placed =	311,934 cy
Phase II	
Previous Daily Cumulative =	916,732 cy
Operations layer placed (completed) for liner certification. = 37,188	0 cy
Daily Day shift waste placed today: From Western Hook (0) loads @ 18 cy/load (0) trucks =	0 cy
Daily Day shift waste placed today: Eastside Waste, (100) loads @ 18cy/load (11) trucks =	1,800 cy
Daily Night shift placed today: (166) loads @ 18cy/load (18) trucks =	2,988 cy
To Date Phase II estimated cumulative waste placed =	921,520 cy
Phase IIIA	
Previous Daily Cumulative =	222,174 cy
Operations layer placed directly in Phase IIIA today: (0) loads @ 18 cy/load (0) trucks =	0 cy
Operations layer placed (completed for liner certification = 21,276)	0 cy
Daily Day shift waste placed today: From Phase IIIB. (0) loads @ 18 cy/load (0) trucks =	0 cy
Daily Night shift waste placed today: (0) loads @ 18cy/load (0) trucks =	0 cy
To Date Phase IIIA estimated cumulative waste placed =	222,174 cy
Phase IIIB	
Previous Daily Cumulative =	178,416 cy
Operations layer placed (completed) for liner certification. = 21,978	0 cy
Daily Day shift waste placed today: (0) loads @ 18 cy/load (0) trucks =	0 cy
Daily Night shift waste placed today: (0) loads @ 18cy/load (0) trucks =	0 cy
To Date Phase IIIB estimated cumulative waste placed =	178,416 cy
Phase IV	
Previous Daily Cumulative =	76,770 cy
Operations layer placed (completed) for liner certification = 37,314	0 cy
Daily Day shift waste placed today: From ?? (0) loads @ 18 cy/load (0) trucks =	0 cy
Daily Night shift waste placed today: (0) loads @ 18cy/load (0) trucks =	0 cy
To Date Phase IV estimated cumulative waste placed =	76,770 cy
Phase V	
Previous Daily Cumulative =	32,418 cy
Operations layer placed: (175) loads @ 18cy/load (19) trucks =	3,150 cy
Daily Day shift waste placed today: From ?? (0) loads @ 18 cy/load (0) trucks =	0 cy
Daily Night shift waste placed today: (0) loads @ 18cy/load (0) trucks =	0 cy
To Date Phase V estimated cumulative waste placed =	35,568 cy

Estimated Waste at Completion (cy)		% Complete
Cumulative Total To Date All Phases =	1,746,382 cy	85.2%
2,050,000		

Geosynthetics Placed

	Previous	Placed	Cumulative Placed
Phase I (complete)			
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
Geomembrane	558,653	0	558,653
Geocomposite	558,653	0	558,653
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

GCL	0	0	0
Geomembrane	0	0	0
Geocomposite	0	0	0

		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	3,674,438	4,151,232	88.5%	6,534,075	56.2%

HEALTH & SAFETY

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

Safety Topic:

Eastside Day: Daily equipment and truck inspections and there importance.

CAMU Day: Daily equipment and truck inspections and their importance.

Night shift CAMU & Eastside: Flaggers and their role. Discussed the right of way for haul vehicles in public roadways.

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 during the Night shift.

Monitor waste placement into the CAMU of eastside 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 backfilling of anchor trench in Phase V.

Monitor the installation of the LCRS pipe system in Phase V.

ISSUES AND/OR ITEMS OF DISCUSSION

Discussion of Issues / Concerns / Conversations / Topics

Phase V, ESI performed an inspection and repair of a breach at a cross seam of geocomposite that came loose. It was immediately recognized by Geosyntec and Entact spotters and work was stopped. ESI investigated and found no damage to the geomembrane liner. Bob Meyer, ASW was notified and witnessed the repair.

SITE VISITORS

[illegible]

Report Prepared By / Title

Date Prepared

Signature _____

Richard Laubinger, Construction Manager

9-Sep-09

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: Day hauling to CAMU.

Photo 2



CAMU: Phase V.

Photo 3



CAMU: Phase V.

Photo 4



CAMU: Phase V.