



DAILY PRODUCTION & QUALITY CONTROL REPORT

Project No./Contract No.	Project Title / Location	Day of Report	Report No.
6389	BRC Eastside Common Areas Soils Remediation	01-May-09	292

PROJECT POINTS OF CONTACT

Position	Name	E-Mail Address	Phone No.
BRC PROJECT MANAGER	Lee Farris	lfarris@landwellco.com	702-567-0400
BRC PROJECT MANAGER	Ravaji Sahu	rsahu@earthlink.net	702-567-0400
CONST. PROJECT MANAGER	Dan Brennecke	Dan.Brennecke@westonsolutions.com	970-260-5886
Construction Manager	Richard Laubinger	Richard.Laubinger@westonsolutions.com	720-641-8660

WEATHER CONDITIONS

Conditions	Temp (°F)	Wind	Add'l Readings
AM Cloudy / Partly Sunny PM Cloudy	Low 61 High 89	SW 16 mph	Precip. (inches) Humidity (%)

Additional Weather Comments

Light wind to 16 mph.

ON-SITE WESTON PERSONNEL

Name	Position	Trade / Work Performed	Y/N
Dick Laubinger	Construction Manager	Construction Management Services.	Y
Dan Brennecke	Project Manager, CM	Construction Management Services.	Y
Richard Davis	Project Engineer	Construction Management Services.	Y
Chris White	Assist. Const. Mgr	Construction Management Services.	Y
Wayne Hodgson	Assist. Const. Mgr	Construction Management Services.	Y
Kevin Cooke	Assist. Const. Mgr	Construction Management Services.	Y
June Laubinger	Admin Assistant	Construction Management Services.	N

ON-SITE GEOSYNTEC PERSONNEL

Name	Position	Trade / Work Performed	Y/N
Greg Corcoran	Design Engineer	Oversight	N
Dan Street	QA Manager	Oversight	Y
Jim Cox	QA/QC Supervisor	Oversight	N
Robecca Flynn	Engineer	Oversight	N
Sam Campbell-Nelson	QA/QC Tech	Oversight	Y
Roland Dorosier	QA/QC Tech	Oversight	Y
Camon Liddell	QA/QC Tech	Oversight	Y
Victor Heredia	QA/QC Tech	Oversight	Y
Meghen Lithgow	QA/QC Tech	Oversight	Y

ON-SITE SUPPORT PERSONNEL

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
Jerry Fauchaux, Tetra Tech	Air Monitoring Specialist	Air Monitoring	N

OVERSITE PERSONNEL

Name	Position	Trade / Work Performed	Y/N
Mark Eizman, ASW	Inspector	Liner Inspector.	Y
Devin Gordon, McGinley	Oversight	For NDEP	Y
Dock Kim, ATC	Field Observation	For AIG	Y
Robert, ASW	Inspector	Liner Inspector	Y
Steve Morrow, ASW	Inspector	Liner Inspector	N
Brian Rakvica	Inspector	NDEP	N
PBS&J, Survey	Surveyors	Survey	N

ON-SITE CONTRACTOR PERSONNEL

Name	Company	Trade / Work Performed	Y/N
Erik Geringer	Entact	Project Manager	Y
Jeremy Schissler	Entact	Acting Project Manager	Y
Josh Carol	Entact	Asst Project Manager	Y
Michael Carlson	Entact	Engineer	Y
Joe Curilla	Entact	Health & Safety Officer	Y
Timothy Stadt	Entact	Health and Safety Technician	Y
Ed Long	Entact	48 Equipment Operators & Truck Drivers	Y
Lance Bruce	Entact	CAMU, Superintendent	Y
Terry Harper	Entact	CAMU, Superintendent	Y
Rick McIntire	Entact	CSP, Safety	N
Dale Walsh	Converse	CSP, Safety	N
Eli Blackburn	Entact	Asst Project Manager	Y
	Environmental Specialties, Inc	1 Liner Superintendent, Installing Phase IIIB.	Y
Carol McIntire	Entact	12 Laborers/ Seamers	Y
Roger Wagner	Entact	Health & Safety Officer	Y
	Entact	Eastside, Superintendent, Night Shift.	Y
	ABC Survey	Eastside/CAMU	Y
Russell Karnes	Entact	Superintendent, Additional Tasks, Southern Rib	Y

ON-SITE EQUIPMENT

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 and CAMU, Southern Rib	-	-	-	-
CAT 330 Excavator (1)		CAMU	-	-	-	-
Kobelco Excavator, (1)		CAMU	-	-	-	-
CAT D6 LGP Dozer (1)		Eastside	-	-	-	-
Water Trucks (3)		Eastside	-	-	-	-
Case backhoe		CAMU	-	-	-	-
CAT 16H Grader		CAMU	-	-	-	-
CAT D-10 Dozer		CAMU	-	-	-	-
Water Trucks (4)		CAMU	-	-	-	-
CAT D-6 Dozer, (3)		CAMU	-	-	-	-
CAT 14H Grader		CAMU	-	-	-	-
Gradall		CAMU	-	-	-	-
JLG		CAMU	-	-	-	-
Smooth drum Rollers, (3)		CAMU	-	-	-	-
Tenent Street Sweeper		Eastside and CAMU	-	-	-	-
Komatsu Loader		CAMU, Phase 1	-	-	-	-
Chieftain 1400 Powerscreener		CAMU	-	-	-	-

MATERIAL HANDLING/ON-SITE DELIVERY / REMOVAL

Material	Vendor	Today	UOM	Purpose	Delivery Verification
GCL	CETCO	0	rolls	For CAMU, On site	1612

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Geocomposite	Agro	0	rolls	For CAMU, On site	2373	
Geomembrane	Agro	0	rolls	For CAMU, On site	514	

WORK COMPLETED

Description of Work Executed Today

Eastside Mixing and Drying Activity:

Day Shift:

- First excavator, PUB-3 continue removing overburden hauling to beta ditch staging area.

- Second excavator, scraping/excavating haul road next to PUD-4and hauling to beta ditch staging area.

- Long arm excavator mixing soils in PUG-6 & 7 ponds.

- Tracked and disced through wet material previously spread for drying.

- Southern rib area, excavator scraping and stockpiling, presoaking with water truck.

- SW-12 pond, Ph. 6.

- Night Shift:

- Hauled material from SW-2 and Beta ditch staging area.

CAMU Activity:--

- Day Shift

- NW-2, Silt trench, removed identified objects after inspection and hauled to Phase II for placement.

- NW-3, Silt trench, proceeded beyond design to remove additional waste going east. Hauled and place in Phase II.

- SW-1, Silt trench, removing waste and hauling to Phase II for placement.

- NW-1, Silt trench, backfilling all areas. Levelizing surrounding soils, continued.

- Phase IIIB subgrade touchup as needed.

- ESI Liner crew installing geosynthetics in Phase IIIB. Worked extended hours 9:30 PM. to cover all areas of Phase IIIB.

- Entact checked the water levels in the Phase I LCRS and Vadose zone. Also the LCRS in Phase II.

- GES collected samples from the monitoring well and Phase II LCRS. Phase I LCRS and Vadose zone to dry to collect sample.

- Entact laborer picked up paper when needed in Phase I and II.

- Entact sized tires for placement.

- Entact moved (3) assembled litter fence into Phase II.

- BMI South Landfill, continued grading for subgrade preparation for future liner placement.

- Night Shift:

- Continued placing material in Phase II and IIIA.

Embankment

- Phase I embankment, complete.

- Phase I estimated cumulative embankment placed:

- Phase II embankment , complete.

Sump/Vadose Monitoring:

Phase I: LCRS Sump: Measurement taken: (2.50). Water Pumped: (N/A).

Vadose: Measurement taken: (0.64). Water Pumped: (N/A).

Phase II: LCRS Sump: Measurement taken: (.6) after pumping. Water Pumped: (900 gallons).

Vadose: N/A.

Inspections:

CAMU: Weston monitored sump access. N/A.

ESI, Geosyntec, Weston subgrade inspection (Daily).

MGA and Weston inspected NW-2, silt trench. identified some objects for removal. Entact immediately cleaned up objects.

NW-2, silt trench approved for backfill.

Estimated Waste Placement (Estimated volumes do not account for shrinkage due to loss of moisture on wet ponds)

Phase I			
Previous Daily Cumulative =		291,200	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
To Date Phase I estimated cumulative waste placed =		291,200	cy
Phase II			
Previous Daily Cumulative =		567,336	cy
Operations layer placed (completed) for liner certification. =	37,188		
Daily Day shift waste placed today: Parcel 4B/Mohawk Drive. (0) loads @ 18 cy/load (0) trucks =			cy
Daily Day shift waste placed today: Silt Trenches, (179) loads @ 18cy/load (5) trucks =		3,222	cy
Daily Night shift placed today: (98) loads @ 18cy/load (16) trucks =		1,764	cy
To Date Phase II estimated cumulative waste placed =		572,322	cy
Phase IIIA			
Previous Daily Cumulative =		112,212	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			
Daily Day shift waste placed today: From Phase IIIB. (0) loads @ 18 cy/load (0) trucks =			cy
Daily Night shift waste placed today: (18) loads @ 18cy/load (3) trucks =		324	cy
To Date Phase IIIA estimated cumulative waste placed =		112,536	cy

Cumulative Total To Date All Phases =		976,058	cy
Estimated Waste at Completion (cy)		2,050,000	
% Complete		47.6%	

Geosynthetics Placed

Phase I (complete)	Previous	Placed	Cummulative
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	255,500	85,035	340,535
Geomembrane	255,500	85,035	340,535
Geocomposite	0	0	0
Geotextile	0	0	0
Phase IV			
GCL	0	0	0
Geomembrane	0	0	0
Geocomposite	0	0	0
Geotextile	0	0	0
Phase V			
GCL	0	0	0
Geomembrane	0	0	0
Geocomposite	0	0	0
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
CCI

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

Debris Storage Area (complete)

Geomembrane	12,000	0	12,000
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CAMU Cover 231

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	2,478,843	4,151,232	59.7%	6,534,075	37.9%

HEALTH & SAFETY

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

Safety Topic:

Eastside Day: Discussed wearing the proper personal protective equipment on site.

CAMU Day: Discussed wearing the proper personal protective equipment on site.

CAMU & Eastside Night Shift: Discussed truck drivers should not pull up next to each other and converse.

CONSTRUCTION QUALITY ASSURANCE & QUALITY CONTROL

Description of Quality Control Actions Taken Today / Quality Inspections Conducted	
1	1. Inspected 100% of the work performed by the crew on the project. The work was found to be in accordance with the plans and specifications. The crew was instructed to maintain the same level of quality and to continue to follow the safety protocols. The inspection was completed at 10:00 AM.

Daily CQA Summary.

Monitored waste placement of eastside material during the night shift in Phase II and IIA.

Monitored waste placement of slit trench material during the day shift in Phase II.

Monitored subgrade preparation in Phase IIIB.

Monitored backfill operation in Phase IV.

Monitored the installation of geosynthetics in Phase IIIB.

Continue review of and updating of project documents and database to facilitate reporting.

ISSUES AND/OR ITEMS OF DISCUSSION

Discussion of Issues / Concerns / Conversations / Topics

Due to the chance of rain, ESI Liner installers worked until 9:30 PM, and covered entire Phase 3B subgrade.

SITE VISITORS

[illegible]

Report Prepared By / Title

Richard Laubinger, Construction Manager

Date Prepared

1-May-09

Signature _____

Weather Table

Sunny/Clear 90

Sunny / Party Cloudly ☺

Cloudy / Partly Sunny

Cloudy ☁

Overcast m

Light Rain γ_b

Rain

Thunderstorms ☿

Snow &

Basic Remediation Company

875 West Warm Springs Road
Henderson, Nevada 89011

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DAILY PHOTO LOG

Photo 1



CAMU: NW-2, Slit trench.

Photo 2



CAMU: NW-2, Slit trench.

Photo 3



CAMU: Phase 3B.

Photo 4



CAMU: Phase 2, Litter fence.