

DAILY PRODUCTION & QUALITY CONTROL REPORT

Project No./Contract No.	Project Title / Location	Day of Report	Report No.
6389	BRC Eastside Common Areas Soils Remediation	30-Mar-09	260

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	Ranjit Sahu	rsahuron@earthlink.net	702-567-0400
CONST. PROJECT MANAGER	Dan Brennecke	Dan.Brennecke@westonsolutions.com	970-250-5886
Construction Manager	Richard Laubinger	Richard.Laubinger@westonsolutions.com	720-841-8660

WEATHER CONDITIONS

Condition	Temp (°F)	Wind	Actual Readings
AM Sunny/Clear	Low 39 High 60	SE 5mph	Precip. 0.00" Humidity 20%

Actual Weather Conditions

Calm to 5 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.	N
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.	Y

ON-SITE GEOSYNTEC PERSONNEL

Name	Position	Trade / Work Performed	Y/N
Gang Concanan	Design Engineer	Oversight	N
Dan Street	QA Manager	Oversight	Y
Jim Cox	QA/QC Supervisor	Oversight	Y
Rebecca Flynn	Engineer	Oversight	N
Sam Campbell Nelson	QA/QC Tech	Oversight	Y
Roland Derosier	QA/QC Tech	Oversight	N
Camron Liddell	QA/QC Tech	Oversight	Y
Victor Heredia	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 Fauchoux, Tetra Tech	Air Monitoring Specialist	Air Monitoring	N

OVERSITE PERSONNEL

Name	Position	Trade / Work Performed	Y/N
Mark Elzman, ASW	Inspector	Liner Inspector	Y
Devin Gordon, McGinley	Oversight	For NDEP	Y
Dock Kim, ATC	Field Observation	For AIG	Y
Joe Ludlow, ASW	Inspector	Liner Inspector	N
Steve Morrow, ASW	Inspector	Liner Inspector	N
Brian Rakvica	Inspector	NDEP	N
RS&J, Survey	Surveyors	Survey well installed.	Y

ON-SITE CONTRACTOR PERSONNEL

Name	Company	Trade / Work Performed	Y/N
Erik Geringer	Entact	Project Manager	N
Jeremy Schisler	Entact	Acting Project Manager	Y
Josh Carol	Entact	Asst Project Manager	Y
Michael Carlson	Entact	Engineer	Y
Joe Conita	Entact	Health & Safety Officer	Y
Timothy Stadt	Entact	Health and Safety Technician	Y
Ed Long	Entact	4th Equipment Operators & Truck Drivers	Y
Lance Bruce	Entact	CAMU, Superintendent	Y
Terry Harper	Entact	Health & Safety Officer	Y
Rick McIntire	Entact	CAMU, Superintendent	Y
Dale Walsh	Converse	CSP, Safety	N
Ell Blackburn	Entact	CSP, Safety	N
	Environmental Specialties, Inc	Asst Project Manager	Y
	Environmental Specialties, Inc	1 Liner Superintendent	N
	Environmental Specialties, Inc	12 Laborers/ Seamers	N
Carol McIntire	Entact	Health & Safety Officer	N
Roger Wagner	Entact	Eastside, Superintendent, Night Shift.	Y
	ABC Survey	Eastside/CAMU	N
	Foundation Pile, Inc.	Demobilized.	N

ON-SITE EQUIPMENT

Equipment	Vendor / Tag No.	Work Performed				
CAT D400E Dump Truck (10)		CAMU	-	-	-	-
JD D400 Dump Trucks (9)		Eastside	-	-	-	-
CAT 324D long stick excavator		Eastside	-	-	-	-
CAT D8R Dozer with disc		Eastside	-	-	-	-
CAT 345 excavators, (5)		Eastside and CAMU	-	-	-	-
CAT 330 Excavator		CAMU	-	-	-	-
Case double pan scrapers.		Eastside, demobilized.	-	-	-	-
CAT D6 LGP Dozer (1)		Eastside	-	-	-	-
Water Trucks (2)		Eastside	-	-	-	-
JD450 Dozer		CAMU	-	-	-	-
CAT 16H Grader		CAMU	-	-	-	-
CAT D-10 Dozer		CAMU	-	-	-	-
Water Trucks (3)		CAMU	-	-	-	-
CAT D-6 Dozer, (3)		CAMU	-	-	-	-
CAT 14H Grader		CAMU	-	-	-	-
Grapple		CAMU	-	-	-	-
JLG		CAMU	-	-	-	-
IR Smooth drum Roller		CAMU, Phase 1	-	-	-	-
Tenent Street Sweeper		Eastside and CAMU	-	-	-	-
Bomag Smooth drum Roller		CAMU, Phase 1	-	-	-	-
Chieftain 1400 Powerscreeener		CAMU, screening 1" & 6" minus	-	-	-	-
(1) Crane		Sheet pile driving. Installed, (1)Crane remains.	-	-	-	-

MATERIAL HANDLING (ON-SITE DELIVERY/REMOVAL)

Material	Vendor	Today	UOM	Purpose	Delivery verification
GCL	CEYCO	78	rolls	For CAMU, On site	Is date Qty Spec T sig
					1405

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Geocomposite	Agro	0	rolls	For CAMU, On site	2973
Geomembrane	Agro	0	rolls	For CAMU, On site	514

WORK COMPLETED

Reoperation of Work & Production Totals

Eastside Mixing and Drying Activity:

Day Shift:

- Excavating/scraping berm at PUA-5. Hauling to HP-2.
- Excavating/scraping floor of PUA-8. Hauling to beta ditch.
- Excavating/loading out wet material from SW-7.
- SW-2, stockpiling/mixing soils.
- Farming wet material that has been spread out on dry pond with D8 and disc.
- Moisture condition North end of Beta ditch using water truck.

Night Shift:

- Hauled and placed material from the Beta ditch and SW-2/HP-3 to Phase II.
- Hauled and placed material from the PUA-8/PUB-8 stockpiles to Phase IIIA.

CAMU Activity:

Day Shift:

- Continued excavating SW-2, silt trench of pyrophoric materials, loaded out debris and hauled to Phase II.
- Continued backfilling Phase IIIB trench excavation east of concrete wall and NW-1 additional excavation area south tie-in.
- Phase IIIB, grading floor working on slopes.
- Phase I LCRS measured. Phase I Vadose measured. Phase II LCRS measured and pumped.
- GES on site, collected samples from the Phase I & Phase II LCRS sumps and Phase I Vadose.
- Off load liner from delivery trucks and properly store.

Night Shift:

- Placed waste in Phase II & Phase IIIA.

Embankment

- Phase I embankment, complete.
- Phase I estimated cumulative embankment placed: 0 cy.
- Phase II embankment, complete.

Sumo/Vadose Monitoring: Phase I: LCRS Sump: Measurement taken: 8AM. (1.60). 6PM. (N/A). Water Pumped: N/A.
Vadose: Measurement taken: 8AM. (0.70). 6PM. (N/A). Water Pumped: 4 gallons for sample.
Phase II: LCRS Sump: Measurement taken: 8AM. (3.0). 6PM. (N/A) Water Pumped: 1,800 gallons.
Vadose: N/A..

Inspections: CAMU: Weston monitored. Sumo access, measuring.

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 =	484,524	cy
Operations layer placed (completed) for liner certification. = 37,188		cy
Daily Day shift waste placed today: NW Basin/Phase IIIB trench (0) loads @ 18 cy/load (0) trucks =		cy
Daily Day shift waste placed today: Silt Trenches, (35) loads @ 18cy/load (4) trucks =	630	cy
Daily Night shift placed today: (135) loads @ 18cy/load (8) trucks =	2,430	cy
To Date Phase II estimated cumulative waste placed =	487,504	cy

Phase IIIA

Previous Daily Cumulative =	21,492	cy
Operations layer placed directly in Phase IIIA today: (0) loads @ 18 cy/load (0) trucks =		cy
Operations layer staged in Phase IIIA for day placement (ongoing) for liner certification: (0) loads @ 18 cy/load (0) trucks =		cy
Daily Day shift waste placed today: (0) loads @ 18 cy/load (0) trucks =	0	cy
Daily Night shift waste placed today: (142) loads @ 18cy/load (10) trucks =	2,556	cy
To Date Phase IIIA estimated cumulative waste placed =	24,048	cy

Cumulative Total To Date All Phases =	802,832	cy	Estimated Waste at Completion (cy)	2,050,000	% Complete	39.2%
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Geosynthetics Placed

Phase I (complete)	Previous	Placed	Cumulative
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)	Previous	Placed	Cumulative
GCL	498,468	0	498,468
Geomembrane	498,468	0	498,468
Geocomposite	520,592	0	520,592
Geotextile	0	0	0
Phase IIIA	Previous	Placed	Cumulative
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	Previous	Placed	Cumulative
GCL	0	0	0
Geomembrane	0	0	0
Geocomposite	0	0	0
Geotextile	0	0	0
Phase IV	Previous	Placed	Cumulative
GCL	0	0	0
Geomembrane	0	0	0
Geocomposite	0	0	0
Geotextile	0	0	0
Phase V	Previous	Placed	Cumulative
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
GCI

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
681

Cover			
GCL	0	0	0
Geomembrana	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	2,138,308	4,151,232	51.5%	6,534,075	32.7%

HEALTH & SAFETY

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Safety Topic:

CAMU & Eastside Night Shift: Discussed, work schedule to be working 12 days straight. Stay alert.

CONSTRUCTION QUALITY ASSURANCE & QUALITY CONTROL

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Daily CQA Summary

Inventory waste placement into the Phase II Landfill of eastside material on the night shift.
Monitored waste placement into the Phase II Landfill of silt trench material on the day shift.
Inventory incoming geosynthetics, 78 rolls of GCL.
Monitor backfilling of NW-1 & NW-2 Phase IIIB additional excavation areas.
Continue review of and updating of project documents and database to facilitate reporting.

ISSUES AND/OR ITEMS OF DISCUSSION

Preparation of issues: Comments, Congratulations & Thanks

SITE VISITORS

[illegible]

Report Prepared By Title

Richard Laubinger, Construction Manager

Date Prepared

30-Mar-09

Signatures

Weather Table

Sunny/Clear

9

Sunny / Party Cloudy

9

Cloudy / Partly Sunny

mp

Cloudy

 Ω

Overcast

m

Light Rain

۷۰

Rain

33

Thunderstorms

⋈

Spring

&

Basic Remediation Company

875 West Warm Springs Road
Henderson, Nevada 89011

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DAILY PHOTO LOG

Photo 1



CAMU: SW-2

Photo 2



CAMU:

Photo 3



Photo 4

