

DAILY PRODUCTION & QUALITY CONTROL REPORT

Project No./Contract No.	Project Title / Location	Day of Report	Report No.
6389	BRC Eastside Common Areas Soils Remediation	24-Feb-09	226

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	Raege Sahu	rsahu@landwellco.com	702-567-0400
CLIENT PROJECT MANAGER	Dan Brennecke	Dan.Brennecke@westonsolutions.com	970-290-5885
Construction Manager	Richard Laubinger	Richard.Laubinger@westonsolutions.com	720-641-8990

WEATHER CONDITIONS

Conditions		Temp (°F)	Wind	Add'l Readings
AM	Sunny/Clear	Low 45	High 72	Precip (in) 0.0
PM	Sunny/Clear	High 72	5mph	Humidity (%)

Marine Weather Summary:
Calm - 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	Asst. Const. Mgr	Construction Management Services	Y
Wayne Hodgson	Asst. Const. Mgr	Construction Management Services	Y
Kevin Cooke	Asst. 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
Greg Corcoran	Design Engineer	Oversight	N
Dan Street	QA Manager	Oversight	Y
Jim Cox	QA/QC Supervisor	Oversight	N
Rebecca Flynn	Engineer	Oversight	N
Sam Campbell-Nelson	QA/QC Tech	Oversight	Y
Roland Derosier	QA/QC Tech	Oversight	Y
Canon Liddell	QA/QC Tech	Oversight	N
Jeremy Osborn	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
Ucky 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 Elzman, ASW	Inspector	Liner Inspector	Y
Devin Gordon, McGinley	Oversight	For NDEP	Y
Dock Kim, ATC	Field Observation	For AIG	N
Joe Ludlow, ASW	Inspector	Liner Inspector	N
Steve Morrow, ASW	Inspector	Liner Inspector	N
Brian Kalkreuth	Inspector	NDEP	N
PBS&L, Survey	Surveyors	Survey	N

ON-SITE CONTRACTOR PERSONNEL

Name	Company	Trade / Work Performed	Y/N
Erk Geringer	Entact	Project Manager	Y
Jeremy Schaefer	Entact	Acting Project Manager	Y
Josh Carol	Entact	Asst Project Manager	Y
Michael Carlson	Entact	Engineer	Y
Joe Cutilla	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	Health & Safety Officer	Y
Rick McIntire	Entact	CAMU, Superintendent	Y
Dale Walsh	Converse	CSP, Safety	Y
ES Blackburn	Entact	CSP, Safety	N
	Entact	Asst Project Manager	Y
	Environmental Specialties, Inc	11 Liner Superintendent	N
	Environmental Specialties, Inc	12 Laborers/ Seamers	N
Roger Wagner	Entact	Eastside, Superintendent, Night Shift	Y
	ABC Survey	Eastside/CAMU, Mohawk Drive	Y
	Foundation Pile, Inc.	Demobilized	N

ON-SITE EQUIPMENT

Equipment	Vendor / Tag No.	Work Performed	Y/N
CAT D400E Dump Truck (10)		CAMU	-
JD D400 Dump Trucks (9)		Eastside	-
CAT 324D long stick excavator		Eastside	-
CAT D6R 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 (2)		CAMU	-
CAT D-6 Dozer, (2)		CAMU	-
CAT 14H Grader		CAMU	-
Gradall		CAMU	-
JLG		CAMU	-
IR Smooth drum Roller		CAMU, Phase 1	-
Tenent Street Sweeper		Eastside and CAMU	-
Bomag Smooth drum Roller		CAMU, Phase 1	-
Chertlain 1400 Powerscreener		Eastside, screening 1" & 6" minus	-
(1) Crane		Sheet pile driving. Installed, (1)Crane remains.	-

MATERIAL HANDLING (ON-SITE DELIVERY / REMOVAL)

Material	Vendor	Today / UOM	Purpose	Primary Verification
GCL	CETCO	0 rolls	For CAMU, On site	909

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Geocomposite	Agro	0	rolls	For CAMU, On site	2292	
Geomembrane	Agro	0	rolls	For CAMU, On site	338	

WORK COMPLETED

How many hours worked today

Eastside Mixing and Drying Activity:

Day Shift:

- PUD-4, excavating and hauling to beta stockpile and SW-2.
- PUD-4, continue screening for operations layer.
- SW-2 continue mixing materials
- HP-2, stockpiling material for loadout with longtick excavator.
- Continue installing haul truck modifications.

Night Shift:

- Continued excavating and hauling material from the beta ditch.
- Continued hauling 1" minus operations layer material.

CAMU Activity:

Day Shift:

- Continued grading N. BMI Landfill.
- Continued excavating NW-1, South at west end. Chasing waste beyond design limits and hauling to Phase II.
- Continued excavating NW-2 second excavator, loading out where possible. Activating pyrophoric substances in trench to burn off.
- Continued grading Phase IIIB and working on new haul road into Phase II.
- NE Equalization Basin placing and shaping east berm.
- Continued the installation of 42" RCP storm drain system.
- Continued placing operations layer in Phase IIIA

Night Shift:

- Continued placing material in Phase II.
- Continue hauling operations layer material to be placed in Phase IIIA

Embankment

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

Other:

Inspections: Silt trenches, NW-1, Chasing waste North at the west end, white line, chalk material continuing beyond design limits of trench. NW-2. Discarded soils, debris and rubble. Pyrophoric substances managed to the side, periodically stirring up. Ongoing.

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 =	309,488 cy
Operations layer placed (completed) for liner certification. = 37,188	0 cy
Daily Day shift waste placed today: Phase IIIB (0) loads @ 18 cy/load (0) trucks =	0 cy
Daily Day shift waste placed today: Silt Trenches, (150) loads @ 18cy/load (8) trucks =	2,700 cy
Daily Night shift placed today: (163) loads @ 18cy/load (10) trucks =	2,934 cy
To Date Phase II estimated cumulative waste placed =	315,122 cy

Phase IIIA

Previous Daily Cumulative =	4,518 cy
Operations layer placed directly in Phase IIIA today: (0) loads @ 18 cy/load (0) trucks =	
Operations layer staged in Phase IIIA for day placement (ongoing) for liner certification: (113) loads @ 18 cy/load (3) trucks =	2,034 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 IIIA estimated cumulative waste placed =	6,552 cy

Cumulative Total To Date All Phases =	Estimated Waste at Completion (cy)	% Complete
612,874 cy	2,050,000	29.9%

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

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

U 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	2,138,308	4,151,232	51.5%	6,534,075	32.7%

HEALTH & SAFETY

Overcoming Health & Safety Risks Today - Safety Technology (London)

Safety Topic

Safety Topic: Eastside Day: Discussed bobcat skidsteer loader fatality at McCarran Airport.
CAMU Day: Discussed bobcat skidsteer loader fatality at McCarran Airport.
CAMU & Eastside Night Shift: Joe Curila gave demonstration of personal air monitoring pumps.

CONSTRUCTION QUALITY ASSURANCE & QUALITY CONTROL

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Daily_CQA_Summary

Daily CQA Summary:
Monitor waste placement into Phase II Landfill during the day shift.
Monitor waste placement into Phase II Landfill during the night shift.
Monitor the placement of operational fill in Phase IIIA.
Monitor the installation of HCP storm drain piping system at the CAMU.
Monitor compacting in Phase IIIB.

ISSUES AND/OR ITEMS OF DISCUSSION

(Newcomer of Interest, Germany, Germany, Germany, Germany)

SITE VISITORS

[illegible]

Report Prepared By: Tisa

Richard Laubinger, Construction Manager

Site Prepared

24-Feb-09

53225-57449

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: Slit trench, NW-1, west end. excavating south.

Photo 2



CAMU: Slit trench NW-1, west end, excavating south.

Photo 3



CAMU: 42", RCP, storm drain pipe system.

Photo 4



CAMU: Slit trench, NW-2