

DAILY PRODUCTION & QUALITY CONTROL REPORT

Project No./Contract No.	Project Title / Location	Day of Report	Report No.
6389	BRC Eastside Common Areas Soils Remediation	04-Feb-09	206

PROJECT POINTS OF CONTACT

Position	Name	E-Mail Address	Phone No.
BRC PROJECT MANAGER	Lee Farris, On Site	lfarris@landwelco.com	702-567-0400
BRC PROJECT MANAGER	Ranjit Sahu, On Site	sahuron@earthlink.net	702-567-0400
CONST. PROJECT MANAGER	Dan Brennecke	Dan.Brennecke@westonsolutions.com	970-260-5686
Construction Manager	Richard Laubinger	Richard.Laubinger@westonsolul.com	720-641-8660

WEATHER CONDITIONS

Conditions		Temp (°F)	Wind	Add'l Readings	
AM	Sunny/Clear	Low 42	SSW 5mph	Precip (in)	Humidity (%)
PM	Sunny/Clear	High 72			

Additional Weather Comments:
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.	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.	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 Nelson	QA/QC Tech	Oversight	Y
Roland Dorosier	QA/QC Tech	Oversight	Y
Camron Liddell	QA/QC Tech	Oversight	Y
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
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	Linear Inspector	Y
Devin Gordon, McGinley	Oversight	For NDEP	Y
Dock Kim, ATC	Field Observation	For AIG	N
Joe Ludlow, ASW	Inspector	Linear Inspector	N
Steve Morrow, ASW	Inspector	Linear Inspector	N
Brian Rakvica	Inspector	NDEP	N
PBS&J, Survey	Surveyors		N

ON-SITE CONTRACTOR PERSONNEL

Name	Company	Trade / Work Performed	Y/N
Enk Geringer	Entact	Project Manager	N
Jeremy Schlatter	Entact	Acting Project Manager	Y
Josh Carroll	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
	Entact	48 Equipment Operators & Truck Drivers	Y
Ed Long	Entact	CAMU, Superintendent	Y
Lance Bruce	Entact	Health & Safety Officer	Y
Terry Harper	Entact	CAMU, Superintendent	Y
Rick Mainline	Entact	CSP, Safety	Y
Dale Walsh	Converse	CSP, Safety	N
Eli Blackburn	Entact	Asst Project Manager	Y
	Environmental Specialties, Inc	1 Liner Superintendent	Y
	Environmental Specialties, Inc	12 Laborers/ Seamers	Y
Roger Wagner	Entact	Eastside, Superintendent, Night Shift.	Y
	ABC Survey	Eastside/CAMU, Mohawk Drive.	N
	Foundation Pile, Inc.	(8) Sheet Piling Crew	Y

ON-SITE EQUIPMENT

Equipment	Vendor / Tag No.	Work Performed				
CAT D400E Dump Truck (10)		CAMU	-	-	-	-
JD D400 Dump Trucks (9)		Eastside	-	-	-	-
CAT 320D 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	-	-	-	-
Chieftain 1400 Powerscreener		CAMU, screening 1'x 6' minus	-	-	-	-
(2) Cranes		Sheet pile driving.	-	-	-	-

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MATERIAL HANDLING (ON SITE DELIVERY / REMOVAL)

Material	Vendor	Today	UOM	Purpose	Inventory Verification
GCL	CETCO	9	rolls	For CAMU, On site	909
Geocomposite	Agru	108	rolls	For CAMU, On site	1101
Geomembrane	Agru	0	rolls	For CAMU, On site	258

WORK COMPLETED

(Exceptional Work Exceeded Today)

Eastside Mixing and Drying Activity:

Day Shift:

- SW-2 continued mixing and drying.
- Continued pumping water from SW-7 to SW-12.
- Stockpiling material from PUA-5 for loadout with Long stick excavator.
- Excavating PUB-5 below the design excavation depth and hauling material to the Beta Ditch and SW-2.
- Working on holding tank for tire wash.
- 7A site walk conducted. (See Issues below).

Night Shift:

- Hauled operations layer material from WST 1,6 & 8 stockpiles.
- Continued excavating and hauling material from the Beta ditch at East end.

CAMU Activity:

Day Shift:

- Continued screening cover soils for N. BMI Landfill from berm stockpile along entrance road.
- ESI continued placing geocomposite on N. BMI Landfill.
- NW Basin/Phase IIIB excavation continued, hauled and placed in Phase II, continued uncovering concrete structure.
- Hauled 1" and 6" minus cover soils on N. BMI Landfill.
- NW-1, slit trench continued excavation/haul and placement in Phase II.
- Continued installing sheet piling.

Night Shift:

- Continued placing material in Phase II.

Embankment

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

Other: Foundation Pile, Inc., continued installing sheet piling.

Inspections: Devin Gordon, McGinley and Dick Laubinger, Weston inspected NW/Phase IIIB excavation trench cleared of visible waste and debris. Approved for backfill.

Silt Trench NW-1, observations, debris, rubble, bottles, cylinders. End of trench at south west is still continuing with waste. Cylinders have not been moved. Overburden stockpile remains visibly clean.

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

Phase I

Previous Daily Cumulative =	269,538 cy
Operations layer placed (completed) for liner certification. = 21,662	21,662 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 =	226,716 cy
Operations layer placed (completed) for liner certification. = 37,188	0 cy
Daily Day shift waste placed today: Phase IV,V scape & Phase IIIB trench excavation. (28) loads @ 20 cy/load (2 trucks) =	560 cy
Daily Day shift waste placed today: Silt Trenches, (43) loads @ 18cy/load (3) trucks =	774 cy
Daily Night shift placed today: (274) loads @ 18cy/load (20 trucks) =	4,932 cy
To Date Phase II estimated cumulative waste placed =	232,982 cy

Cummulative Total To Date All Phases =	524,182 cy	Estimated Waste at Completion (cy)	% Complete
		2,200,000	23.8%

Geosynthetics Placed

	Previous Daily Cum (sf)	Placed Today (sf)	Cummulative Placed to Date (sf)
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	0	0	0
Geotextile	0	0	0
Phase IIIB			
GCL	0	0	0
Geomembrane	0	0	0
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

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Geotextile	0	0	0
BMI North			
GCL	1,033,388	0	1,033,388
Geomembrane	1,033,388	0	1,033,388
Geocomposite	775,000	77,388	852,388
BMI South			
GCL	0	0	0
Geomembrane	0	0	0
Geocomposite	0	0	0
Debris Storage Area (complete)			
Geomembrane	12,000	0	12,000
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 + BMI N&S (sf) =	2,060,228	4,151,232	49.6%	6,534,075	31.5%

HEALTH & SAFETY

Three years of Health & Safety Actions Taken Today | Safety Means First Connected

<u>Safety Topic:</u>	Eastside
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Day: Avoid fatigue by eating well and getting enough sleep.
CAMU Day: Avoid fatigue by eating well and getting enough sleep!
CAMU Night Shift: Avoid fatigue by eating well and getting enough sleep.

CONSTRUCTION QUALITY ASSURANCE & QUALITY CONTROL

Measurement of Quality Care for Adults Taking Today's Quality Improvement (QI) 101

Daily CQA Summary

Monitored waste placement in Phase II during night shift.
Monitored waste placement into the Phase II landfill during day shift.
Monitor placement of operations layer on slopes in Phase II, during day shift.
Monitor screening operations at the perimeter stockpile 1' x 6' minus cover soils.
Monitor the installation of cover soil at the North BMI Landfill.
Monitor repairs and non-destructive testing of geosynthetics in Phase IIIA.
Monitor the installation of geosynthetics at the North BMI Landfill.
Continue review of and updating of project documents and database to facilitate reporting.
Monitor eastside remedial excavation of waste impacted soils.
Monitor eastside remedial excavation of waste impacted soils.

ISSUES AND/OR ITEMS OF DISCUSSION	
1	1. The first issue is the importance of the research topic.
2	2. The second issue is the methodology used in the study.
3	3. The third issue is the results of the study.
4	4. The fourth issue is the conclusion of the study.
5	5. The fifth issue is the implications of the study.
6	6. The sixth issue is the limitations of the study.
7	7. The seventh issue is the future research.
8	8. The eighth issue is the contribution of the study.
9	9. The ninth issue is the ethical considerations.
10	10. The tenth issue is the overall quality of the study.

Dissemination/Accession/Archiving: Toxic

CAMU site visit by Ron Sahu, Lee Farris, C. Dan Brennecke, Richard Davis, Dick Laubinger Weston to view a concrete structure uncovered during excavation at Phase IIIB. Same group met at 3pm on Eastside and inspected 7A dry ponds along with Jeremy Schissler, and Josh Carroll with Entact. Inspected current conditions and determined level of effort for remediation of ponds.

Entact will continue to excavate to the design depth. At this point remove any obvious waste remaining based on visual. Any suspect areas will be flagged for BRC to evaluate.

SITE VISITORS

[illegible]

Report Prepared By :	Title :	Date Prepared :	Signature :
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Richard Laubinger, Construction Manager 4-Feb-09

Date Prepared	Signature
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4-Feb-09

Signature _____

Weather Table

Sunny/Clear	
Sunny / Party Cloudly	
Cloudy / Partly Sunny	
Cloudy	
Overcast	
Light Rain	
Rain	
Thunderstorms	
Snow	

Basic Remediation Company

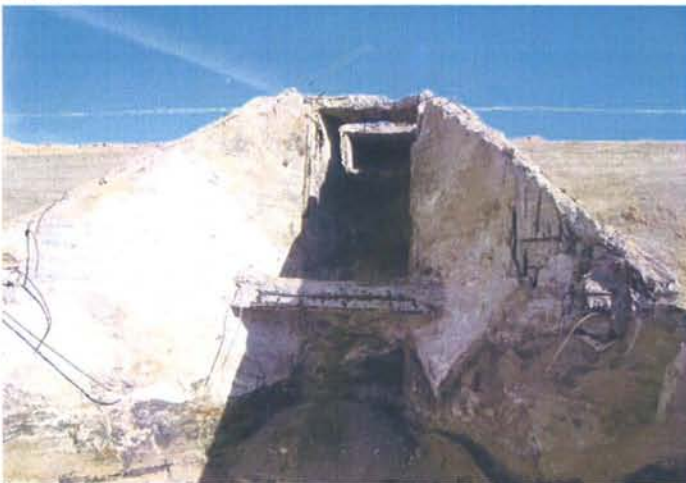
875 West Warm Springs Road
Henderson, Nevada 89011

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DAILY PHOTO LOG

Photo 1



CAMU: Phase IIIB, Concrete structure uncovered.

Photo 2



CAMU: Phase IIIB, Concrete structure.

Photo 3



CAMU: Slit trench, NW-1.

Photo 4



CAMU: Slit trench, NW-1.