



DAILY PRODUCTION & QUALITY CONTROL REPORT

Project No. / Contract No.	Project Title / Location	Day of Report	Report No.
6389	BRC Eastside Common Areas Soils Remediation	17-Apr-09	278

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	Rasmit Saha	rsaha@earthlink.net	702-567-0400
BRC PROJECT MANAGER	Dan Brennecke	Dan.Brennecke@westonsolutions.com	970-200-5886
Construction Manager	Richard Laubinger	Richard.Laubinger@westonsolutions.com	720-641-8660

WEATHER CONDITIONS

Conditions				Temp (F)	Wind	Add'l Readings	
AM	Sunny/Clear	PM	Sunny/Clear	Low	High	Pressure (in. Hg)	Humidity (%)
				58	78	N 11 mph	

Adjusted Weather Observations:
Light wind - 11 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
Roberta Flynn	Engineer	Oversight	N
Sam Campbell-Nelson	QA/QC Tech	Oversight	Y
Roland Denoyer	QA/QC Tech	Oversight	Y
Cameron 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
Bucky 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 Eizman, ASW	Inspector	Liner Inspector	Y
Devin Gordon, McKinley	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
PBS&J, Survey	Surveyors	Survey	N

ON-SITE CONTRACTOR PERSONNEL

Name	Company	Trade / Work Performed	Y/N
Erik Geringer	Entact	Project Manager	N
Jerome Schlöser	Entact	Acting Project Manager	Y
Josh Carrol	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 McIntire	Entact	CSP, Safety	N
Dale Walsh	Converse	CSP, Safety	N
Ell Blackburn	Entact	Asst Project Manager	Y
	Environmental Specialties, Inc	1 Liner Superintendent	N
	Environmental Specialties, Inc	12 Laborers/ Seawallers	N
Carol McIntire	Entact	Health & Safety Officer	Y
Roger Wagner	Entact	Eastside, Superintendent, Night Shift	Y
	ABC Survey	Eastside (CAMU)	Y
	Foundation Pile, Inc. (f)	Mobilized on site, removing sheets at SW-2	Y
Russell Karnes	Entact	Superintendent	Y

ON-SITE EQUIPMENT

Equipment	Vendor / Trg No.	Work Performed				
CAT D400E Dump Truck (10)		CAMU	-	-	-	-
JD 1400 Dump Trucks (10)		Eastside	-	-	-	-
CAT 324D long stick excavator		Eastside	-	-	-	-
CAT D6R 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	-	-	-	-
Casa 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	-	-	-	-
Grapple		CAMU	-	-	-	-
JLG		CAMU	-	-	-	-
Smooth drum rollers, (3)		CAMU	-	-	-	-
Tenmet Silver Sweeper		Eastside and CAMU	-	-	-	-
Komatsu Loader		CAMU, Phase 1	-	-	-	-
Chiltrain 1400 Powerscreener		CAMU	-	-	-	-
(1) Crane		Removing sheetpiles (1) Crane	-	-	-	-

MATERIAL HANDLING (ON-SITE DELIVERY / REMOVAL)

Material	Vendor	Today	UOM	Purpose	Inventory 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

Summary of Work Completed Today

Eastside Mixing and Drying Activity:

Day Shift:

- First excavator continued final scrape from the floor in PUD-4, hauled material to Beta ditch staging area.
- Second excavator continued final scrape of PUC road, and hauled material to Beta ditch staging area.
- Third excavator, excavating North Beta ditch and hauling material to Beta ditch staging area.
- Spreading and drying material previously placed.
- SW-12 pond. pH: 6.

Night Shift:

- Hauling material from the Beta ditch and SW-2.

CAMU Activity:

Day Shift:

- Continued subgrade preparation in Phase IIIB.
- Continued preparing South and North slope in Phase IIIB moving east.
- GES on site pulled water samples from new well at Phase I, and Phase II LCRS.
- Phase II LCRS pumped. Entact took measurements in Phase I LCRS, Phase I Vadose, Phase II LCRS.
- Foundation Pile driving, Inc. removing sheets, Entact deconning with pressure washer. Shut down at 2pm.
- NW-1, Silt trench, (2) excavators loading out and hauling to Phase II.
- SW-1 Silt trench (2) excavators moved over at 2pm, began loading out.
- Trash pickup in Phase II and IIIA, when needed.
- Jensen poured concrete floors in manholes 4, 5 and 6.

Night Shift:

- 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: (2.30). Water Pumped: N/A.
Vadose: Measurement taken: (0.67). Water Pumped: N/A.
Phase II: LCRS Sump: Measurement taken: (2.50). Water Pumped: 351 gallons.
Vadose: N/A.

Inspections: CAMU: Weston monitored sump access.
NW-1, Silt trench, white/grey material. SW-1, silt trench trash and debris, some yellow and pyrophoric material.

Eastside: Perimeter fence, no findings, secure.

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 =	519,420	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, (103) loads @ 18cy/load (4) trucks =	1,854	cy
Daily Night shift placed today: (36) loads @ 18cy/load (8) trucks =	648	cy
To Date Phase II estimated cumulative waste placed =	521,922	cy

Phase IIIA

Previous Daily Cumulative =	74,610	cy
Operations layer placed directly in Phase IIIA today: (0) loads @ 18 cy/load (0) trucks =		
Operations layer placed (completed for liner certification = 21,276		cy
Daily Day shift waste placed today: From Phase IIIB. (0) loads @ 18 cy/load (0) trucks =		cy
Daily Night shift waste placed today: (210) loads @ 18cy/load (19) trucks =	3,780	cy
To Date Phase IIIA estimated cumulative waste placed =	78,390	cy

Cumulative Total To Date All Phases =	891,512	cy
Estimated Waste at Completion (cy)	2,050,000	
% Complete	43.5%	

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)	Previous	Placed	Cummulative
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	Cummulative
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	Cummulative
GCL	0	0	0
Geomembrane	0	0	0
Geocomposite	0	0	0
Geotextile	0	0	0
Phase IV	Previous	Placed	Cummulative
GCL	0	0	0
Geomembrane	0	0	0
Geocomposite	0	0	0
Geotextile	0	0	0
Phase V	Previous	Placed	Cummulative
GCL	0	0	0
Geomembrane	0	0	0
Geocomposite	0	0	0
Geotextile	0	0	0

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Debris Storage Area (complete)

CAMU Cover 281

Geosynthetic System Cumulative Total To Date All CAMU

HEALTH & SAFETY	
<i>Discussion of Health & Safety: Safety Systems, Zebra Tagging, Safety Inspections Conducted</i> Safety Topic: Eastside Day: Discussed working on the road and personal health. CAMU Day: Discussed working on the road and personal health. CAMU & Eastside Night Shift: Went over haul truck tailgate malfunction.	

CONSTRUCTION QUALITY ASSURANCE & QUALITY CONTROL <i>(Supplement of Quality Management System Tools - Quality Inspection Checklist)</i>	
<u>Daily COA Summary</u>	Monitored waste placement from the eastside in Phase II and IIIA on the night shift. Monitored waste placement of silt trench material during the day shift in Phase II. Monitored subgrade preparations in Phase IIIB. Monitored excavation and backfilling operations in Phase IV. Monitored the concrete construction of the stormwater drainage system manholes. Performed concrete testing. Continue review of and updating of project documents and database to facilitate reporting.

ISSUES AND/OR ITEMS OF DISCUSSION	
Transfer out of Groups / Outcomes / Discussion time / Topics Today's pH reading is (8) in SW-12 pond.	

[illegible]

Richard Laubinger, Construction Manager

17-Apr-09

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



Eastside: SW-12.

Photo 2



CAMU: Sheetpiles demobilizing.

Photo 3



CAMU: Phase 3B, North slope, east end.

Photo 4



Eastside: North beta ditch remediation.