

DAILY PRODUCTION & QUALITY CONTROL REPORT

Project No. Contract No.	Project Title Location	Day of Report	Report No.
6389	BRC Eastside Common Areas Soils Remediation	10-Apr-09	271

PROJECT POINTS OF CONTACT

Position	Name	E-Mail Address	Phone No.
BRC PROJECT MANAGER	Lee Farris	farris@landwellco.com	702-567-0400
BRC PROJECT MANAGER	Ranjit Sahu, On Site	sahuron@earthlink.net	702-567-0400
CONSTR. PROJECT MANAGER	Dan Brennecke	Dan.Brennecke@westonsolutions.com	970-260-5886
Construction Manager	Richard Leubinger	Richard.Leubinger@westonsolutions.com	720-641-8600

WEATHER CONDITIONS

Conditions		Temp (°F)	Wind	Additional Readings
AM	Cloudy	PM	Cloudy	Low 53 High 73
Relative Humidity (Current)		Precip. (inches)		Humidity (°F)
Light wind to 14 mph.				

ON-SITE WESTON PERSONNEL

Name	Position	Trade / Work Performed	Y/N
Dick Leubinger	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	N
Wayne Hodgson	Asst. Const. Mgr	Construction Management Services	N
Kevin Cooke	Asst. Const. Mgr	Construction Management Services	Y
Jana Leubinger	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
Robecca Flynn	Engineer	Oversight	N
Sam Campbell-Nelson	QA/QC Tech	Oversight	N
Roland Derossier	QA/QC Tech	Oversight	Y
Carmon 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 Eisman, 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
PBS&J, Survey	Surveyors	Survey, Phase 3B	Y

ON-SITE CONTRACTOR PERSONNEL

Name	Company	Trade / Work Performed	Y/N
Erik Geringer	Entact	Project Manager	N
Jeremy Schuster	Entact	Acting Project Manager	Y
Josh Carol	Entact	Asst Project Manager	Y
Michael Carlson	Entact	Engineer	Y
Joe Curfiss	Entact	Health & Safety Officer	Y
Timothy Stadl	Entact	Health and Safety Technician	Y
Ed Long	Entact	40 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
ER Blackburn	Entact	CSP, Safety	N
	Entact	Asst Project Manager	Y
	Environmental Specialists, Inc	1 Liner Superintendent	N
	Environmental Specialists, Inc	12 Laborers/ Seiners	N
Carol McIntire	Entact	Health & Safety Officer	Y
Roger Wagner	Entact	Eastside, Superintendent, Night Shift	Y
	ABC Survey	Eastside/CAMU	Y
	Foundation Pile, Inc.	Demobilized	N

ON-SITE EQUIPMENT

Equipment	Vendor / Tag No.	Work Performed	Y/N
CAT D400E Dump Truck (10)		CAMU	Y
JD D400 Dump Trucks (9)		Eastside	Y
CAT 324D long stick excavator		Eastside	Y
CAT D6R Dozer with disc		Eastside	Y
CAT 345 excavators, (5)		Eastside and CAMU	Y
CAT 330 Excavator		CAMU	Y
Caterpillar pin scrapers		Eastside, demobilized	Y
CAT D6 LGP Dozer (1)		Eastside	Y
Water Trucks (2)		Eastside	Y
JD450 Dozer		CAMU	Y
CAT 16H Grader		CAMU	Y
CAT D-10 Dozer		CAMU	Y
Water Trucks (3)		CAMU	Y
CAT D-6 Dozer, (3)		CAMU	Y
CAT 14H Grader		CAMU	Y
Grasall		CAMU	Y
JLG		CAMU	Y
IR Smooth drum Roller		CAMU, Phase 1	Y
Tenent Street Sweeper		Eastside and CAMU	Y
Bomag Smooth drum Roller		CAMU, Phase 1	Y
Chieftain 1400 Powerscreener		CAMU	Y
(1) Crane		Sheet pile driving, installed, (1) Crane remains.	Y

MATERIAL HANDLING (ON-SITE DELIVERY / REMOVAL)

Material	Vendor	Today	UQID	Purpose	Inventory Verification
GCL	CETCO	0	rolls	For CAMU, On site	1612

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Geocomposite	Agra	0	rolls	For CAMU, On site
Geomembrane	Agra	0	rolls	For CAMU, On site
WORK COMPLETED				
Description of Work Completed Today				
Eastside Mixing and Drying Activity:				
Day Shift:				
- Finished final scrape in PUB-5, and started PUB-6. Hauled material to Beta ditch.				
- Continued second excavator final scrape of haul road between PUA & PUB ponds. Hauled material to Beta ditch.				
- GES on site to sample suspect soils and overburden between PUA & PUB haul road.				
- Continued excavating North Beta ditch and hauling material to Beta ditch up front.				
- Mixing material in HP-2 and SW-10.				
- Mohawk Drive cleanup, Mobilized excavator from 4B. Scraped/stockpiled and presoaked, prepared to load out 4-11-09.				
Night Shift:				
- Hauled material from Beta ditch, SW-4 and SW-2 to Phase II and Phase IIIA.				
CAMU Activity:				
Day Shift:				
- SW-1 Silt trenches, (1) excavator removing waste, hauling to Phase II landfill.				
- NW-1, additional excavation, outside design limits, continued chasing white material north toward RCP pipe at west end, placed in Phase II.				
- Phase 3B, grading floor and north slope. (1) excavator, removing soils from north slope area continued hauling to above trenches for backfill.				
- (1) excavator at Phase 3B south loading out additional trash and debris outside design limits.				
- GES sampled Phase II LCFS and well at Phase I. Phase I LCFS and Vadose not able to get water for sample.				
- Phase I LCFS measured. Phase I Vadose measured. Phase II LCFS measured and pumped.				
- SW-2, approved for backfill.				
Night Shift:				
- Placed material in Phase II and Phase IIIA.				
Embankment				
- Phase 1 embankment, complete.				
- Phase 1 estimated cumulative embankment placed:				
- Phase II embankment, complete.				
Sump/Vadose Monitoring: Phase I: LCFS Sump: Measurement taken: 8AM. (2.30). Water Pumped: N/A.				
Vadose: Measurement taken: 8AM. (0.67). Water Pumped: N/A.				
Phase II: LCFS Sump: Measurement taken: 8AM. (2.60). Water Pumped: 600 gallons.				
Vadose: N/A.				
Inspections: CAMU: Weston monitored sump access.				
Phase 3B, waste to the north, needs additional clean up.				
Eastside: Perimeter fence inspection, 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 =	505,308	cy
Operations layer placed (completed) for liner certification. = 37,188		cy
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, (65) loads @ 18cy/load (3) trucks =	990	cy
Daily Night shift placed today: (20) loads @ 18cy/load (5) trucks =	360	cy
To Date Phase II estimated cumulative waste placed =	506,658	cy

Phase IIIA

Previous Daily Cumulative =	58,482	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		cy
Daily Day shift waste placed today: From Phase IIIB. (57) loads @ 18 cy/load (3) trucks =	990	cy
Daily Night shift waste placed today: (39) loads @ 18cy/load (9) trucks =	702	cy
To Date Phase IIIA estimated cumulative waste placed =	60,174	cy

	Estimated Waste at Completion (cy)	% Complete
Cumulative Total To Date All Phases =	858,032	41.9%
	2,050,000	

Geosynthetics Placed

	Previous	Placed	Cumulative
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	221,000	0	221,000
Geotextile	20,000	0	20,000
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
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>Preparation of Personal & Safety at Home Training - Safety Instructions & Info</i> <u>Safety Topic:</u> Eastside Day: Discussed personal hygiene, don't take work site home with you. CAMU Day: Discussed personal hygiene, don't take work site home with you. CAMU & Eastside Night Shift: Drivers pre trip inspections, identify soil build up on trucks, pass it on to Supervisor.	
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CONSTRUCTION QUALITY ASSURANCE & QUALITY CONTROL	
Implementation of QA/QC Construction Phase Inspection - Quality Management Checklist	
Daily COA Summary	Monitored waste placement into the Phase IIIA Landfill of outside material on the right shift. Monitored waste placement into the Phase II landfill of slit trench material on the day shift. Monitored subgrade preparations in Phase IIIB. Monitored excavation and backfilling operations in Phase IIV. Continue review of and updating of project documents and database to facilitate reporting.

ISSUES AND/OR ITEMS OF DISCUSSION
<i>Investigation of Issues Concerning Construction - Trench</i> Site visit to inspect suspect soils encountered during final scrape on Eastside. Ron Sahu, BRG, Jeremy Schissler, Entact, Josh Carroll, Entact, Richard Davis, Weston, Dick Laubinger, Weston. Area in question: The haul rd between PUA-4 and PUB-3. It was determined to have GES pull samples of the overburden and layer underneath. Night shift shut down approximately 9:30 PM. Wheel wash broke down on CAMU side.

[illegible]

Richard Laubinger, Construction Manager

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

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DAILY PHOTO LOG

Photo 1



CAMU: Material from Parcel 4B scrape.

Photo 2



CAMU: Phase 3B.

Photo 3



CAMU: Phase 3B.

Photo 4



CAMU: Phase 3B, North additional waste removal.