

## DAILY PRODUCTION & QUALITY CONTROL REPORT

Project No./Contract No.	Project Title / Location	Day of Report	Report No.
6389	BRC Eastside Common Areas Soils Remediation	18-Dec-08	161

### PROJECT POINTS OF CONTACT

Position	Name	E-Mail Address	Phone No.
BRC PROJECT MANAGER	Lee Farris	<a href="mailto:lfarris@landwellco.com">lfarris@landwellco.com</a>	702-567-0400
BRC PROJECT MANAGER	Ranajit Sahu	<a href="mailto:sahuron@earthlink.net">sahuron@earthlink.net</a>	702-567-0400
CONST. PROJECT MANAGER	Dan Brennecke	<a href="mailto:Dan.Brennecke@westonsolutions.com">Dan.Brennecke@westonsolutions.com</a>	970-260-5886
Construction Manager	Richard Laubinger	<a href="mailto:Richard.Laubinger@westonsolution.com">Richard.Laubinger@westonsolution.com</a>	720-641-8660

### WEATHER CONDITIONS

Conditions				Temp (°F)	Wind	Add'l Readings	
AM	Sunny/Clear	PM	Cloudy / Partly Sunny	Low 33 High 44	S 6mph	Precip. (in/Dy)	Humidity (%)
Additional Weather Comments None							

### 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	
Greg Corcoran	Design Engineer	Oversight	N	
Dan Street	QA Manager	Oversight	Y	
Jim Cox	QA/QC Supervisor	Oversight	N	
Robecca Flynn	Engineer	Oversight	N	
Wayne Wofford	QA/QC Tech	Oversight	N	
Roland Derosier	QA/QC Tech	Oversight	Y	
Camon Liddell	QA/QC Tech	Oversight	Y	
Jeremy Osborn	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, Set up new areas at CAMU	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	Liner Inspector	N	
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	Surveying, QA	Y	

### ON-SITE CONTRACTOR PERSONNEL

Name	Company	Trade / Work Performed	Y/N	
Erik Geringer	Entact	Project Manager	Y	
Josh Carrol	Entact	Asst Project Manager	Y	
Russ Karnes	Entact	Eastside, Superintendent	Y	
Michael Carlson	Entact	Engineer	Y	
Joe Curilla	Entact	Health & Safety Officer	Y	
Timothy Stadt	Entact	Health and Safety Technician	Y	
	Entact	26 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	Y	
Dale Walsh	Converse	CSP, Safety	N	

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Eli Blackburn	Entact	Asst Project Manager	Y	
	Environmental Specialties, Inc	1 Liner Superintendent	Y	
	Environmental Specialties, Inc	12 Laborers/ Seamers	Y	
	Kenney Survey	CAMU	N	
	ABC Survey	Eastside/CAMU	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		CAMU	-	-	-	-
CAT D8R Dozer with disc		Eastside		-	-	-
CAT 345 excavator, (3)		Eastside		-	-	-
CAT 330 Excavator		Eastside		-	-	-
Case double pan scrapers.		Eastside		-	-	-
CAT D6 LGP Dozer (1)		Eastside				-
Water Trucks (2)		Eastside				-
637/631 Cat Scrapers (2)		CAMU				-
CAT 16H Grader		CAMU				-
CAT D-10 Dozer		CAMU				-
CAT 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		Eastside, screening 1" minus				-
						-

MATERIAL HANDLING (ON-SITE DELIVERY / REMOVAL)								
Material	Vendor	Today	UOM	Purpose	Delivery Verification			
					to date	Qty	Spec	Tag
GCL	CETCO	0	rolls	For CAMU, On site		506		
Geocomposite	Agru	0	rolls	For CAMU, On site		599		
Geomembrane	Agru	0	rolls	For CAMU, On site		192		

WORK COMPLETED	
<p><i>Description of Work Executed Today</i></p> <p><b>Eastside Mixing and Drying Activity:</b></p> <ul style="list-style-type: none"> <li>- Day Shift: <ul style="list-style-type: none"> <li>- Mixed wet material into dry ponds</li> <li>- Prepared for night haul operations.</li> <li>- Cleaned out HDPE pipe to prepare to start pumping water again.</li> </ul> </li> <li>- Night Shift: <ul style="list-style-type: none"> <li>- Continue hauling material from HP-3 stockpile and PUA-4 stockpile.</li> </ul> </li> </ul> <p><b>CAMU Activity:</b></p> <ul style="list-style-type: none"> <li>- Day Shift: <ul style="list-style-type: none"> <li>- Continued first lift push-out of 1-inch minus on the BMI North Landfill</li> <li>- Continued 6" scrape on Phase IIIB</li> <li>- Continued screening material at 200,000 cy stockpile.</li> <li>- Prepared for night haul operations.</li> </ul> </li> <li>- Night Shift: <ul style="list-style-type: none"> <li>- Started installation of the wash bath for trucks</li> <li>- Screened material at the 200,000cy stockpile using the powerscreen</li> <li>- Continued first lift push-out of 1-inch minus on the BMI North Landfill</li> </ul> </li> </ul> <p><b>Embankment</b></p> <ul style="list-style-type: none"> <li>- Phase 1 embankment, complete.</li> <li>- Phase 1 estimated cumulative embankment placed: 0 cy</li> <li>- Phase II embankment, complete.</li> </ul> <p><b>Waste Placement</b></p> <ul style="list-style-type: none"> <li>- Phase 1 estimated daily waste placed: 66 loads @ 20cy/load = 1,320cy.</li> <li>- night shift placed: 0 loads @ 18cy/load = 0 (0 trucks).</li> <li>- Phase 1 estimated cumulative waste placed: 234,016cy. Western Ditch, NE Equilization, Eastside beta stockpile, Phase IIIB and PUA-4, PUB-3, HP-3.</li> <li>- Phase 1 Operations Layer placed, completed. Cumulative total: 21,662</li> <li>- Phase 2 estimated night shift placed: 0 loads @ 18cy/load = 0 cy.</li> <li>- Phase 2 Operations Layer placed, daily: 0 cy. Adjusted cy per truckload from 20cy to 18cy based on survey. Cumulative total: 37,188 cy.</li> </ul>	

**Geosynthetics** Estimated cumulative installed quantity by Phase



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<p><b>Geosynthetics.</b> Estimated cumulative installed quantity by Phase.</p> <ul style="list-style-type: none"> <li>- Phase 1 GCL placed: 0 sf daily, 307,372 sf cumulative.</li> <li>- Phase 1 Geomembrane: 0 sf daily, 307,372 sf cumulative</li> <li>- Phase 1 Geocomposite: 0 sf daily, 307,372 sf cumulative.</li> <li>- Phase 1 Geotextile: (0) sf daily, 69,340 sf cumulative.</li> <li>- Phase 2 GCL placed: (0) sf daily, 498,468 sf cumulative.</li> <li>- Phase 2 Geomembrane: (0) sf daily, 498,468 sf cumulative.</li> <li>- Phase 2 Geocomposite: (0) sf daily, 520,592 sf cumulative.</li> <li>- BMI North Landfill GCL placed: (0) sf daily, 330,638 sf cumulative.</li> <li>- BMI North Landfill Geomembrane: (0) sf daily, 330,638 sf cumulative.</li> <li>- BMI North Landfill Geocomposite: (95,700) sf daily, (116,000) sf cumulative.</li> </ul>
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## HEALTH & SAFETY

Description of Health & Safety Actions Taken Today / Safety Inspections Conducted	
1	1. Inspected the work area for safety hazards. Found no significant issues.
2	2. Reviewed safety protocols with the team. Emphasized the importance of PPE.
3	3. Conducted a safety drill. All participants performed well.
4	4. Inspected the fire extinguishers. All are in good working order.
5	5. Reviewed the incident report from yesterday. Discussed the root cause.
6	6. Inspected the lifting equipment. Found a minor issue with the hoist.
7	7. Conducted a safety meeting. Discussed the importance of communication.
8	8. Inspected the electrical wiring. Found some loose connections.
9	9. Reviewed the safety data sheets for the materials used today.
10	10. Inspected the first aid kit. All supplies are up to date.
11	11. Conducted a safety inspection of the storage area. Found no issues.
12	12. Reviewed the safety training records. All employees are up to date.
13	13. Inspected the ventilation system. Found it to be functioning properly.
14	14. Conducted a safety inspection of the work area. Found no issues.
15	15. Reviewed the safety protocols with the team. Emphasized the importance of PPE.
16	16. Conducted a safety drill. All participants performed well.
17	17. Inspected the fire extinguishers. All are in good working order.
18	18. Reviewed the incident report from yesterday. Discussed the root cause.
19	19. Inspected the lifting equipment. Found a minor issue with the hoist.
20	20. Conducted a safety meeting. Discussed the importance of communication.
21	21. Inspected the electrical wiring. Found some loose connections.
22	22. Reviewed the safety data sheets for the materials used today.
23	23. Inspected the first aid kit. All supplies are up to date.
24	24. Conducted a safety inspection of the storage area. Found no issues.
25	25. Reviewed the safety training records. All employees are up to date.
26	26. Inspected the ventilation system. Found it to be functioning properly.
27	27. Conducted a safety inspection of the work area. Found no issues.
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82	82. Inspected the fire extinguishers. All are in good working order.
83	83. Reviewed the incident report from yesterday. Discussed the root cause.
84	84. Inspected the lifting equipment. Found a minor issue with the hoist.
85	85. Conducted a safety meeting. Discussed the importance of communication.
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88	88. Inspected the first aid kit. All supplies are up to date.
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92	92. Conducted a safety inspection of the work area. Found no issues.
93	93. Reviewed the safety protocols with the team. Emphasized the importance of PPE.
94	94. Conducted a safety drill. All participants performed well.
95	95. Inspected the fire extinguishers. All are in good working order.
96	96. Reviewed the incident report from yesterday. Discussed the root cause.
97	97. Inspected the lifting equipment. Found a minor issue with the hoist.
98	98. Conducted a safety meeting. Discussed the importance of communication.
99	99. Inspected the electrical wiring. Found some loose connections.
100	100. Reviewed the safety data sheets for the materials used today.

## Entact H&S Tailgates

Safety Topic: Eastside: Winter driving conditions.

Safety Topic: CAMU, Day: Winter driving conditions.

Eastside and CAMU, Night shift: Working in cold conditions.

**Safety Incidents:** None.

Dust Incidents: None.

## CONSTRUCTION QUALITY ASSURANCE & QUALITY CONTROL

Description of Quality Control Actions Taken Today / Quality Inspections Conducted	
1	1. Inspected the work area for cleanliness and safety. 2. Reviewed the work schedule and assigned tasks. 3. Conducted a visual inspection of the work area. 4. Checked the quality of the work performed. 5. Documented the results of the inspection.
2	1. Inspected the work area for cleanliness and safety. 2. Reviewed the work schedule and assigned tasks. 3. Conducted a visual inspection of the work area. 4. Checked the quality of the work performed. 5. Documented the results of the inspection.
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10	1. Inspected the work area for cleanliness and safety. 2. Reviewed the work schedule and assigned tasks. 3. Conducted a visual inspection of the work area. 4. Checked the quality of the work performed. 5. Documented the results of the inspection.

Daily CQA Summary..

Monitored installation of waste material in Phase I on the.  
Monitored protective cover placement on BMI North Landfill.  
Monitored delivery and offloading of RCP storm pipe.  
Continued review of and updating of project documents and database to facilitate reporting.

ISSUES AND/OR ITEMS OF DISCUSSION	
1	1. The first issue is the importance of the research topic. The second issue is the research methodology. The third issue is the research findings. The fourth issue is the research conclusions. The fifth issue is the research implications. The sixth issue is the research limitations. The seventh issue is the research strengths. The eighth issue is the research weaknesses. The ninth issue is the research contributions. The tenth issue is the research relevance. The eleventh issue is the research validity. The twelfth issue is the research reliability. The thirteenth issue is the research generalizability. The fourteenth issue is the research replicability. The fifteenth issue is the research transferability. The sixteenth issue is the research applicability. The seventeenth issue is the research practicality. The eighteenth issue is the research feasibility. The nineteenth issue is the research sustainability. The twentieth issue is the research impact. The twenty-first issue is the research significance. The twenty-second issue is the research importance. The twenty-third issue is the research value. The twenty-fourth issue is the research utility. The twenty-fifth issue is the research benefit. The twenty-sixth issue is the research harm. The twenty-seventh issue is the research risk. The twenty-eighth issue is the research cost. The twenty-ninth issue is the research time. The thirtieth issue is the research effort. The thirty-first issue is the research resources. The thirty-second issue is the research constraints. The thirty-third issue is the research challenges. The thirty-fourth issue is the research opportunities. The thirty-fifth issue is the research threats. The thirty-sixth issue is the research uncertainties. The thirty-seventh issue is the research ambiguities. The thirty-eighth issue is the research complexities. The thirty-ninth issue is the research contradictions. The fortieth issue is the research paradoxes. The forty-first issue is the research dilemmas. The forty-second issue is the research trade-offs. The forty-third issue is the research compromises. The forty-fourth issue is the research trade-ins. The forty-fifth issue is the research trade-outs. The forty-sixth issue is the research trade-ups. The forty-seventh issue is the research trade-downs. The forty-eighth issue is the research trade-inside. The forty-ninth issue is the research trade-outside. The fiftieth issue is the research trade-around. The fifty-first issue is the research trade-between. The fifty-second issue is the research trade-within. The fifty-third issue is the research trade-without. The fifty-fourth issue is the research trade-against. The fifty-fifth issue is the research trade-for. The fifty-sixth issue is the research trade-into. The fifty-seventh issue is the research trade-onto. The fifty-eighth issue is the research trade-against. The fifty-ninth issue is the research trade-for. The sixtieth issue is the research trade-into. The sixty-first issue is the research trade-onto. The sixty-second issue is the research trade-against. The sixty-third issue is the research trade-for. The sixty-fourth issue is the research trade-into. The sixty-fifth issue is the research trade-onto. The sixty-sixth issue is the research trade-against. The sixty-seventh issue is the research trade-for. The sixty-eighth issue is the research trade-into. The sixty-ninth issue is the research trade-onto. The seventieth issue is the research trade-against. The seventy-first issue is the research trade-for. The seventy-second issue is the research trade-into. The seventy-third issue is the research trade-onto. The seventy-fourth issue is the research trade-against. The seventy-fifth issue is the research trade-for. The seventy-sixth issue is the research trade-into. The seventy-seventh issue is the research trade-onto. The seventy-eighth issue is the research trade-against. The seventy-ninth issue is the research trade-for. The eightieth issue is the research trade-into. The eighty-first issue is the research trade-onto. The eighty-second issue is the research trade-against. The eighty-third issue is the research trade-for. The eighty-fourth issue is the research trade-into. The eighty-fifth issue is the research trade-onto. The eighty-sixth issue is the research trade-against. The eighty-seventh issue is the research trade-for. The eighty-eighth issue is the research trade-into. The eighty-ninth issue is the research trade-onto. The ninetieth issue is the research trade-against. The ninety-first issue is the research trade-for. The ninety-second issue is the research trade-into. The ninety-third issue is the research trade-onto. The ninety-fourth issue is the research trade-against. The ninety-fifth issue is the research trade-for. The ninety-sixth issue is the research trade-into. The ninety-seventh issue is the research trade-onto. The ninety-eighth issue is the research trade-against. The ninety-ninth issue is the research trade-for. The hundredth issue is the research trade-into.

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*Discussion of Issues / Concerns / Conversations / Topics*

None

[illegible][illegible]

Report Prepared By / Title	Date Prepared	Signature
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Chris White, Assistant Construction Manager 19-Dec-08

Date Prepared \_\_\_\_\_ Signature \_\_\_\_\_

19-Dec-08

Signature \_\_\_\_\_

## Basic Remediation Company

875 West Warm Springs Road  
Henderson, Nevada 89011

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### DAILY PHOTO LOG

Photo 1



CAMU: BMI Landfill North, 3 foot road construction with 1-inch minus material.

Photo 2



CAMU: BMI North Landfill, north slope.

Photo 3



CAMU: BMI Landfill North, water runoff to the north.

Photo 4



CAMU: BMI Landfill North, first lift pushout.