

## DAILY PRODUCTION & QUALITY CONTROL REPORT

| Project No./Contract No. | Project Title / Location                    | Day of Report | Report No. |
|--------------------------|---------------------------------------------|---------------|------------|
| 6399                     | BRC Eastside Common Areas Soils Remediation | 09-Feb-09     | 211        |

### PROJECT POINTS OF CONTACT

| Position                | Name              | E-Mail Address                        | Phone No.    |
|-------------------------|-------------------|---------------------------------------|--------------|
| BRC PROJECT MANAGER     | Lee Harris        | lharris@landwellco.com                | 702-567-0400 |
| BRC PROJECT MANAGER     | Rajesh Sahu       | sahur@searlink.net                    | 702-567-0400 |
| CONVEY. PROJECT MANAGER | Dan Brannack      | Dan.Brannack@westonsolutions.com      | 970-260-5586 |
| Construction Manager    | Richard Laubinger | Richard.Laubinger@westonsolutions.com | 720-641-8560 |

### WEATHER CONDITIONS

| Conditions |            | Temp (°F)         | Wind     | Attn / Readings                       |
|------------|------------|-------------------|----------|---------------------------------------|
| AM         | Light Rain | Low 37<br>High 51 | SW 20mph | Precip. (inches) 0.03<br>Humidity (%) |

Adapted Weather Data from:  
Light rain in AM, Cloudy/Partly Sunny in PM. Winds 20 -25 mph.

### ON-SITE WESTON PERSONNEL

| Name           | Position             | Trade / Work Performed            | Y/N |
|----------------|----------------------|-----------------------------------|-----|
| Dick Laubinger | Construction Manager | Construction Management Services. | Y   |
| Dan Brannack   | 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 Desrosier    | QA/QC Tech       | Oversight              | Y   |
| Cameron 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   |
| 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 Elzman, 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, On site meeting. | Y   |
| PBS&J, Survey          | Surveyors         | Survey                 | N   |

### ON-SITE CONTRACTOR PERSONNEL

| Name             | Company                        | Trade / Work Performed                  | Y/N |
|------------------|--------------------------------|-----------------------------------------|-----|
| Erik Geringer    | Entact                         | Project Manager                         | N   |
| Jeremy Schissler | Entact                         | Acting Project Manager                  | Y   |
| Josh Carol       | 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   |
| 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                    | N   |
| Dale Walsh       | Converse                       | CSP, Safety                             | N   |
| Elk Blackburn    | Entact                         | Asst Project Manager                    | Y   |
|                  | Environmental Specialties, Inc | 1 Liner Superintendent                  | N   |
|                  | Environmental Specialties, Inc | 12 Laborers/ Seamers                    | N   |
| Roger Wagner     | Entact                         | Eastside, Superintendent, Night Shift.  | N   |
|                  | ABC Survey                     | Eastside/CAMU, Mohawk Drive.            | N   |
|                  | Foundation Pile, Inc.          | (8) Sheet Piling Crew working (4) tens. | Y   |

### 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 |                  | Eastside                      | - | - | - | - |
| CAT D8R 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                          | - | - | - | - |
| Gradaal                       |                  | 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  |                  | CAMU, screening 1" & 6" minus | - | - | - | - |
| (2) Cranes                    |                  | Sheet pile driving.           | - | - | - | - |

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## MATERIAL HANDLING (ON-SITE DELIVERY / REMOVAL)

| Material     | Vendor | Today | UOM   | Purpose           | Inventory Variations |
|--------------|--------|-------|-------|-------------------|----------------------|
| GCL          | CETCO  | 0     | rolls | For CAMU, On site | 909                  |
| Geocomposite | Agru   | 54    | rolls | For CAMU, On site | 1605                 |
| Geomembrane  | Agru   | 0     | rolls | For CAMU, On site | 338                  |

## WORK COMPLETED

Recompletion of Work Expected Today:

### Eastside Mixing and Drying Activity:

#### Day Shift:

- Excavating Pond PUA-7, loading and hauling to beta ditch stockpile and SW-2 pond.
- Excavating Pond PUA-8, stockpiling for load out.
- Continue pumping water from SW-7 to SW-12.
- Began power screening for operations layer soils in PUD-3.
- Installing mechanical fire wash system.

#### Night Shift:

- No Work.

### CAMU Activity:

#### Day Shift:

- Hauled and placed 1" and 6" minus cover soils on N. BMI Landfill.
- Silt trench NW-1 continued excavation, East.
- Continued Phase IV & V Scrape.
- NW Basin/Phase IIIB continued backfilling and compacting trench.
- Continued sheet piling installation.

#### Night Shift:

- Graded haul Roads.
- Graded in Phase II.

### Embankment

- Phase I embankment, complete.
- Phase 1 estimated cumulative embankment placed: 0 cy
- Phase II embankment, complete.

Other: Foundation Pile, Inc., Continued sheet piling installation.

### Inspections:

Silt Trench NW-1, excavation, observations: white material, small rubble continues, waste on portions of the floor

## 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         | 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        |
| <b>To Date Phase I estimated cumulative waste placed =</b>                                                             | <b>291,200</b> | <b>cy</b> |

### Phase II

|                                                                                            |                |           |
|--------------------------------------------------------------------------------------------|----------------|-----------|
| Previous Daily Cumulative =                                                                | 244,718        | cy        |
| Operations layer placed (completed) for liner certification, =                             | 37,188         | cy        |
| Daily Day shift waste placed today: Phase IV&V scape, (53) loads @ 20 cy/load (2 trucks) = | 1,060          | cy        |
| Daily Day shift waste placed today: Silt Trenches, (83) loads @ 18cy/load (3) trucks =     | 1,494          | cy        |
| Daily Night shift placed today: (0) loads @ 18cy/load (0) trucks =                         | 0              | cy        |
| <b>To Date Phase II estimated cumulative waste placed =</b>                                | <b>247,272</b> | <b>cy</b> |

|                                       | Estimated Waste at Completion (cy) | % Complete |
|---------------------------------------|------------------------------------|------------|
| Cumulative Total To Date All Phases = | 538,472                            | 24.5%      |
|                                       | 2,200,000                          |            |

## Geosynthetics Placed

|                            | Previous Daily Cum (sf) | Placed Today (sf) | Cumulative Placed to Date (sf) |
|----------------------------|-------------------------|-------------------|--------------------------------|
| <b>Phase I (complete)</b>  |                         |                   |                                |
| GCL                        | 307,372                 | 0                 | 307,372                        |
| Geomembrane                | 307,372                 | 0                 | 307,372                        |
| Geocomposite               | 307,372                 | 0                 | 307,372                        |
| Geotextile                 | 69,340                  | 0                 | 69,340                         |
| <b>Phase II (complete)</b> |                         |                   |                                |
| GCL                        | 498,468                 | 0                 | 498,468                        |
| Geomembrane                | 498,468                 | 0                 | 498,468                        |
| Geocomposite               | 520,592                 | 0                 | 520,592                        |
| Geotextile                 | 0                       | 0                 | 0                              |
| <b>Phase IIIA</b>          |                         |                   |                                |
| GCL                        | 221,000                 | 0                 | 221,000                        |
| Geomembrane                | 221,000                 | 0                 | 221,000                        |
| Geocomposite               | 0                       | 0                 | 0                              |
| Geotextile                 | 0                       | 0                 | 0                              |
| <b>Phase IIIB</b>          |                         |                   |                                |
| GCL                        | 0                       | 0                 | 0                              |
| Geomembrane                | 0                       | 0                 | 0                              |
| Geocomposite               | 0                       | 0                 | 0                              |
| Geotextile                 | 0                       | 0                 | 0                              |
| <b>Phase IV</b>            |                         |                   |                                |
| GCL                        | 0                       | 0                 | 0                              |
| Geomembrane                | 0                       | 0                 | 0                              |
| Geocomposite               | 0                       | 0                 | 0                              |
| Geotextile                 | 0                       | 0                 | 0                              |
| <b>Phase V</b>             |                         |                   |                                |
| GCL                        | 0                       | 0                 | 0                              |
| Geomembrane                | 0                       | 0                 | 0                              |
| Geocomposite               | 0                       | 0                 | 0                              |

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|                                       |           |   |           |
|---------------------------------------|-----------|---|-----------|
| <b>Geotextile</b>                     | 0         | 0 | 0         |
| <b>BMI North</b>                      |           |   |           |
| GCL                                   | 1,033,388 | 0 | 1,033,388 |
| Geomembrane                           | 1,033,388 | 0 | 1,033,388 |
| Geocomposite                          | 1,033,388 | 0 | 1,033,388 |
| <b>BMI South</b>                      |           |   |           |
| GCL                                   | 0         | 0 | 0         |
| Geomembrane                           | 0         | 0 | 0         |
| Geocomposite                          | 0         | 0 | 0         |
| <b>Debris Storage Area (complete)</b> |           |   |           |
| Geomembrane                           | 12,000    | 0 | 12,000    |
| <b>CAMU Cover</b>                     |           |   |           |
| GCL                                   | 0         | 0 | 0         |
| Geomembrane                           | 0         | 0 | 0         |
| Geocomposite                          | 0         | 0 | 0         |

|                                                                                  |           | Total<br>Geosynthetics for<br>CAMU Basic<br>Scope<br>(sf) | % Complete<br>of Basic<br>Scope | Total Geosynthetics for<br>CAMU Basic Scope<br>+ Option Scope | % Complete<br>of Basic<br>Scope +<br>Option<br>Scope |
|----------------------------------------------------------------------------------|-----------|-----------------------------------------------------------|---------------------------------|---------------------------------------------------------------|------------------------------------------------------|
| Geosynthetic System Cumulative Total To Date All CAMU<br>Phases + BMI N&S (sf) = | 2,060,228 | 4,151,232                                                 | 49.6%                           | 6,534,075                                                     | 31.5%                                                |

## HEALTH & SAFETY

*Dissemination of Research & Safety Actions Taken Today - during Implementation of Research*

Safety Topic:

**Safety Topic:**  
**Day:** Discussed climbing on and off equipment during wet muddy conditions.  
**CAMU Day:** Discussed climbing on and off equipment during wet muddy conditions.  
**CAMU & Eastside Night Shift:** No Work.

### Eastside

## CONSTRUCTION QUALITY ASSURANCE & QUALITY CONTROL

*Development of Quality Control Systems Across Forest Types: Quality Improvement Costs* 172

## Daily CQA Summary

Monitor waste placement into the Phase II Landfill during the day shift.  
Monitor the 6' Phase V scrape during the day shift.  
Monitor the installation of cover soil at the North BMI Landfill.  
Continue review of and updating of project documents and database to facilitate reporting.  
Inventory incoming geosynthetics (54) rolls of geocomposite.

## ISSUES AND/OR ITEMS OF DISCUSSION

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Followup meeting held at BRC trailer in regards to Haul truck tarps, overloading observations along with oversight reporting and interaction from 2-6-09, night shift Attendees: Brian Rakvica, NDEP, Lee Farris, BRC, Devin Gordon, Jennifer Gleed, McGinley & Associates, Jeremy Schissler, Entact, Dick Laubinger, Weston.

## SITE VISITORS

[illegible]

Report Prepared By / Title

**Richard Laubinger, Construction Manager**

Date Prepared

9-Feb-09

Signature \_\_\_\_\_

### Weather Table

Sunny/Clear

69

Sunny / Party Cloudly

9

Cloudy / Partly Sunny

mp

Cloudy

U

Overcast

♎

Light Rain

70

Rain

### Thunderstorms

⋈

Snow

&

## Basic Remediation Company

875 West Warm Springs Road  
Henderson, Nevada 89011

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#### DAILY PHOTO LOG

Photo 1



CAMU: NW Basin/Phase IIIB trench backfill operation.

Photo 2



CAMU: NW Basin/Phase IIIB trench backfill operation.

Photo 3



Eastside: PUD-3, Screening operation.

Photo 4



Eastside: Screening operation.