



December 10, 2009
Project No. 20092586V1

Mr. Ranajit Sahu, C.E.M., Ph.D.
Basic Remediation Company
875 West Warm Springs Road
Henderson, Nevada 89011

RE: Second Removal Action Work Plan for Soil, Southern RIBs Sub-Area Soil Re-Sampling Second Scrape, Henderson, Nevada

Dear Dr. Sahu:

PROVIDING

- Geotechnical Engineering
- Construction Materials Engineering
- Environmental Engineering
- Drilling Services
- Ground Source Heat Exchange
- Thermal Conductivity Testing

On December 7, 2009 through December 8, 2009, Geotechnical and Environmental Services, Inc. (GES) implemented a sampling program per the direction of Basic Remediation Company (BRC). This activity report details the scope of services performed, which consisted of the following:

- December 7, 2009: Staked and located twenty five (25) sampling locations with a GPS Magellan Mobile Mapper CE. The sample location coordinates were provided by ERM.
- December 7 – December 8, 2009: Collected twenty five (25) samples from the surface using hand sampling methods throughout the site. Three (3) duplicate samples, two (2) MS/MSD samples, and two (2) rinsate samples were taken throughout the sampling event.

GES's scope of services was to implement the field sampling program so that others can evaluate the data resulting from our sampling efforts. Therefore, this report does not provide conclusions regarding the analytes or their levels of occurrence.

Field Investigation Methodology

Soils - Soil samples were taken from twenty (25) surface locations by hand sampling methods. The samples submitted for chemical analyses were collected in clean 2.5-inch diameter by 6.0-inch long stainless steel sleeves using hand sampling methods. The ends of each sleeve(s) retained for analysis were covered with Teflon sheeting and placed in a sealable ZipLock™ type plastic bag.

Each sample was provided a unique sampling number with the following designation: Sample Location, Sample Depth, Date, and Time. For example, the first sampling location was identified as SRC3-J11SE-0, 12/7/09, 06:57, while the final sampling location (field duplicate) was identified as SRC3-J02NW-0-DUP, 12/7/09, 0917. The soil samples were stored in coolers with ice and shipped daily via FedEx to Test America Laboratories (Earth City, Missouri).

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The health and safety monitoring effort complied with the **BRC Health and Safety Plan, October, 2005**.

Decontamination Procedures

The sampling equipment was decontaminated prior to initial usage and then between each location. Decontamination of the equipment consisted of a Liquinox™ detergent wash, a potable water rinse, and a final rinse with commercially available distilled water.

Investigative Derived Waste (IDW)

Investigative Derived Waste consisted of a small quantity of equipment decontamination waste (Liquinox laboratory grade detergent and rinse water). Decontamination fluid was minimal and disposed of appropriately.

Documentation

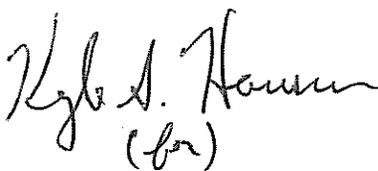
Documentation of the field activities consists of figures showing the site location (Vicinity Map, Figure 1), sample locations (Site Map, Figure 2) and photographs of representative boring locations (Figure 3). These documents are included as attachments. Copies of the Chain-of-Custodies are also included as attachments.

Changes to Original Planned Work

During this work there were no modifications to the original scope of services.

We appreciate this opportunity to provide our professional services. If you have questions or comment, feel free to contact our office at (702) 365-1001.

Sincerely,
Geotechnical & Environmental Services, Inc.



(for)

Richard A. Cooke, C.E.M.
Project Geologist
C.E.M. #1820

RAC:KSH:PMF:PB:ac

Enc.: Figures 1, 2 and 3
Chain-of-Custody Records (5)

Dist: 1 pdf copy emailed to client at sahuron@earthlink.net
1 original mailed to addressee
1 cc to project file



Patrick M. Ferringer
Staff Geologist

**FIGURES:
VICINITY MAP
SAMPLE LOCATION MAP
PHOTOGRAPHS**



★ SITE LOCATION

GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.
 (702) 365-1001
 7150 Placid Street
 Las Vegas, Nevada 89119

Vicinity Map Southern RIBs Sub-Area Henderson, Nevada	
Job #20092474V1	Figure 1



1. Looking east from the southeast corner of SRC3-J21 sample area. Sampling equipment located at bottom of stake.



2. Looking west along SRC3-J21 and SRC3-J23 sampling areas.



3. Looking southwest over SRC3-J11 sampling area.

	<p>PROJECT: Southern RIBs Sub-Area 20092586V1 FIGURE 3 Site Photographs</p>
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4. Looking southwest towards the northern part of SRC3-J11 sample area.

	<p>PROJECT: Southern RIBs Sub-Area 20092586V1 FIGURE 3a Site Photographs</p>
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CHAIN-OF-CUSTODY FORMS

ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON
 Name: Maria Barajas-Albalawi
 Address: 2525 Natomas Park Drive, Suite 350
 Sacramento, CA 95833
 Phone #: (916) 924-9378

LABORATORY: TestAmerica-St. Louis
 Contact Person: Jerry Everett
 Address: 13715 Rider Trail North
 Earth City, Missouri 63045
 Phone: (314) 298-8566

FED EX #: _____ Date: 12-7-07

SAMPLER(S) PRINTED NAME AND SIGNATURE

PROJECT NAME: Southern Ribs 305-area
 PROJECT NUMBER: 2007250601

Patrick Ferringer
Patrick Ferringer

SAMPLE ID	DATE	TIME	Container						IONS* by EPA 300.0	Dioxins/Furans* by EPA 8290	Gen. Chem* (please see methods)	pH by EPA 9045C/9040B	METALS* by EPA Methods 6010B/6020/7471A/7470A	Hex chromium by EPA 7196A	OC Pesticides* by EPA 8081A	Aroclors* by EPA 8082	Congeners* ¹ by EPA 1668	Aldehydes ² by EPA 8315	VOCs* by EPA 8260B	Physical Parameters ³	Percent Moisture	
			H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	EDA														
SRC3-JTISE-0	12-7-09	0657	X						X													
SRC3-JTISE-0DOP	12-7-09	0657	X						X													
SRC3-JTISE-0	12-7-09	0709	X						X													
SRC3-JTICE-0	12-7-09	0725	X						X													
SRC3-JTINE-0	12-7-09	0737	X						X													
SRC3-JTINU-0	12-7-09	0747	X						X													
SRC3-JTISE-0	12-7-09	0806	X						X													
SRC3-JEISE-0 MS(MD)	12-7-09	0806	X						X													
SRC3-JTINE-0	12-7-09	0815	X						X													
SRC3-JTICE-0	12-7-09	0826	X						X													

ANALYSIS REQUEST

Comments/Instructions:

- * Please refer to Table 5 (Southern Ribs Sampling: emailed on October 17, 2008)
- ¹ Analyze at TA-Sacramento
- ² Analyze at TA-Nashville
- ³ Analyze at TA-Burlington
- ⁴ Please report results in dry weight, therefore all soil will require % moisture testing.
- ⁵ Extract samples for Aroclors by 8082 only. If sum of the congeners result (method 1668) is greater than 33 ppb, please analyze for aroclors by 8082

RELINQUISHED BY: *Patrick Ferringer* Signature: _____ Print Name: Patrick Ferringer
 RECEIVED BY: _____ Date: 12-7-09 1313
 _____ Date: 12/7/09 1311

RELINQUISHED BY: _____
 RECEIVED BY: _____

For Lab Use Only: Sample Condition Upon Receipt:
 ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

