

October 13, 2009 Project No. 20092474V1

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

RE: Southern RIBs Sub-Area Soil Re-Sampling, Henderson, Nevada

Dear Dr. Sahu:

PROVIDING

- Geotechnical Engineering
- Construction Materials Engineering
- Environmental Engineering
- Drilling
 Services

On September 11, 2009 through September 17, 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:

- September 10, 2009: Staked and located forty three (43) sampling locations with a GPS Trimble ProXH Unit. The sample location coordinates were provided by ERM.
- September 11 September 17, 2009: Collected forty four (44) samples from the surface using hand sampling methods throughout the site. Five (5) duplicate samples were taken, while two (2) MS/MSD samples were collected. 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

<u>Soils</u> - Soil samples were taken from forty four (44) 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 ZipLockTM type plastic bag. The samples submitted for asbestos analysis were collected in accordance with the Elutriation Method and shipped in eight-ounce wide-mouth polyethylene containers.

Each sample was provided a unique sampling number with the following designation: Sample Location, Date, and Time. For example, the first sampling location was identified as SRC2-J18S-Wall, 9/11/09, 1325, while the final sampling location (matrix spike duplicate) was identified as SRC2-J34-0, 9/17/09, 0958. The soil samples were stored in coolers with ice and shipped daily via FedEx to Test America Laboratories (Earth City, Missouri), GEL Laboratory (Charleston, South Carolina) and EMSL Laboratory (Westmont, New Jersey).

"We Make the Ground Work for You..."
7150 Placid Street Las Vegas, NV 89119
(702) 365-1001 • Fax (702) 341-7120
www.gesnevada.com

Basic Remediation Company Proiect No. 20092474V1 October 13, 2009 Page 2

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

Decontamination Procedures

The sampling equipment as decontaminated prior to initial usage and then between each location. Decontamination of the equipment consisted of a LiquinoxTM 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.

Richard A. Cooke, C.E.M.

R. Sand a. Coole

Project Geologist

C.E.M. #1820

RAC:KSH:vm:ac Figures 1, 2 and 3 Enc.:

Chain-of-Custody Records (14)

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1 original mailed to addressee

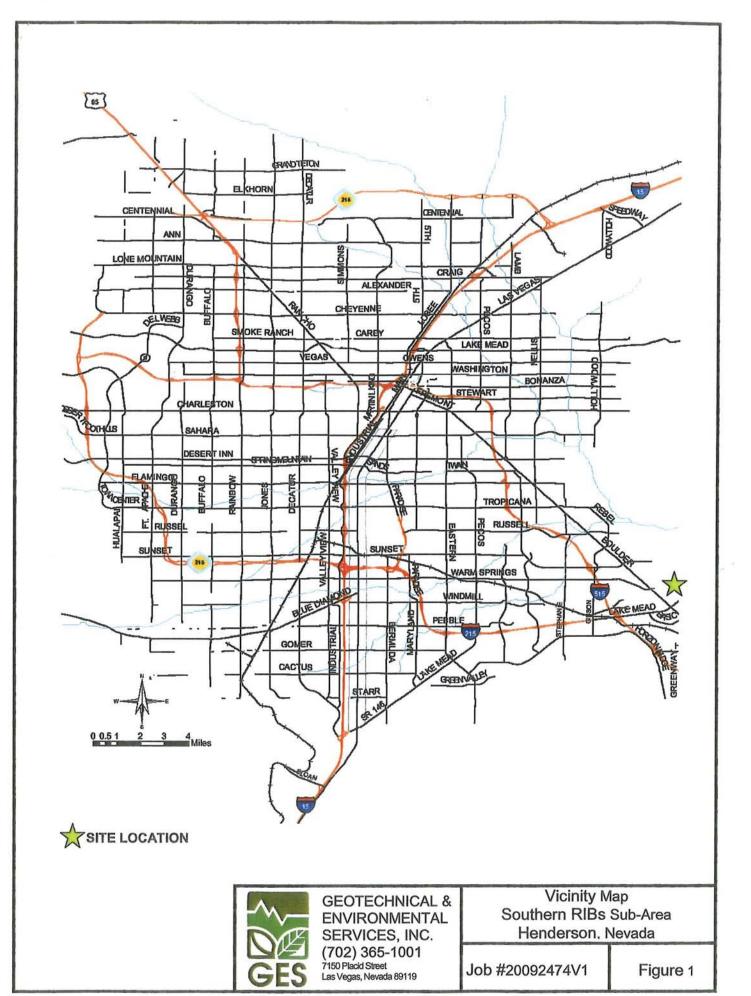
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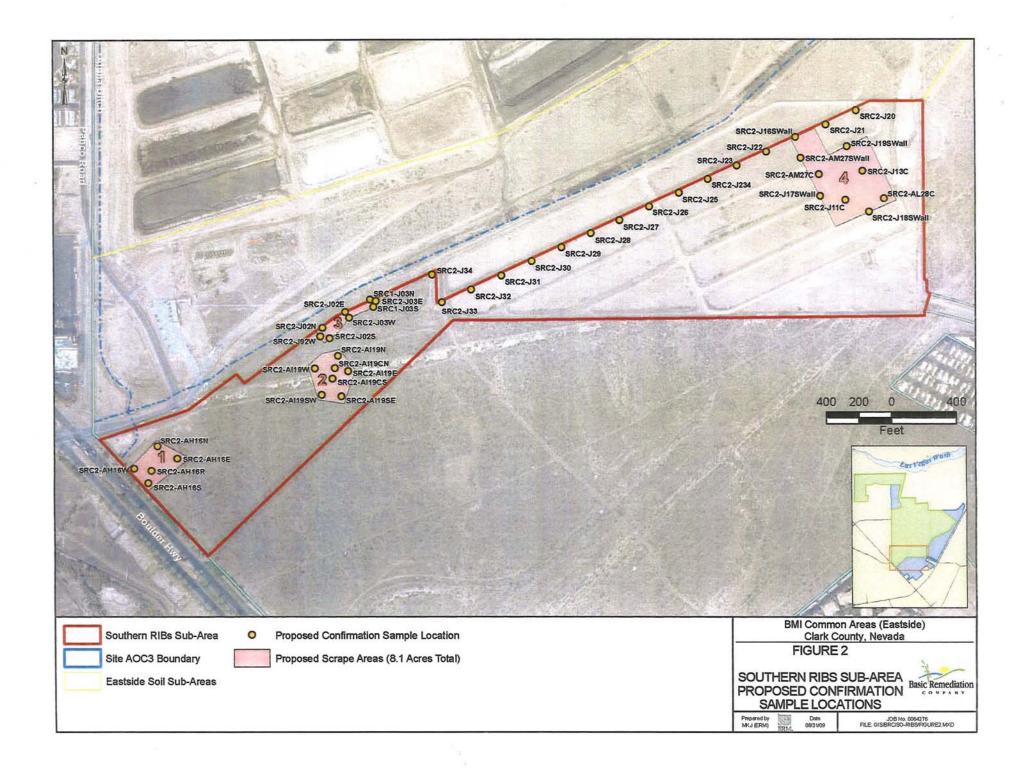
Kyle S. Hansen, C.E.M. **Environmental Program Manager**

Kyle S. Hann

C.E.M. #2167

FIGURES: VICINITY MAP SAMPLE LOCATION MAP PHOTOGRAPHS







1. Area 1: View toward the east showing a portion of Area 1. Sample location SRC2-AH16W is visible in the foreground.



2. Area 2: View toward the west along the northwest portion of Area 2.



3. Area 3: View toward the north (from area 2) showing the southwest portion of Area 3).



PROJECT: Southern RIBS Re-Samples 20092474V1 FIGURE 3 Site Photographs



4. Area 4: View toward the southwest showing the northwest portion of Area 4. View is from the north boundary fence.



5. View showing the northwest portion of Area 4. Sample location SRC2-J21 is visible in the foreground.



6. North Boundary (fence-line); View toward the west along the north boundary. Sample location SRC2-J21 is visible in the foreground.



PROJECT: Southern RIBS Re-Samples 20092474V1 FIGURE 3a Site Photographs

CHAIN-OF-CUSTODY FORMS

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi

Address: 2525 Natomas Park Drive, Suite 350

Sacramento, CA 95833 Phone #: (916) 924-9378 page 1/2

LABORATORY: TestAmerica-St. Louis

Contact Person: Jerry Everett

Address: 13715 Rider Trail North

Earth City, Missouri 63045

Phone: (314) 298-8566

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ERM CONTACT PERSON

Name: Maria Barajas-Albalawi

Address: 2525 Natomas Park Drive, Suite 350

ORIGINAL: Send with sample (sign only in blue or black ink)

Sacramento, CA 95833 Phone #: (916) 924-9378 page 2/2

LABORATORY: TestAmerica-St. Louis

COPIES: Retained by Sampler, Sent to Office

Contact Person: Jerry Everett Address: 13715 Rider Trail North

Earth City, Missouri 63045 Phone: (314) 298-8566

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COPIES: Retained by Sampler, Sent to Office

9-14-15

ERM CONTACT PERSON

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For Lab Use Only: Sample Condition Upon Receipt:

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Sacramento, CA 95833 Phone #: (916) 924-9378

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Contact Person: Jerry Everett

Address: 13715 Rider Trail North

Earth City, Missouri 63045

Phone: (314) 298-8566 Date: 9-14-09

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ERM CONTACT PERSON LABORATORY: TestAmerica-St. Louis Name: Maria Barajas-Albalawi Contact Person: Jerry Everett Address: 2525 Natomas Park Drive, Suite 350 Address: 13715 Rider Trail North Sacramento, CA 95833 Earth City, Missouri 63045 Phone #: (916) 924-9378 Phone: (314) 298-8566 FED EX#: Date: 9-14-69 SAMPLER(S) PRINTED NAME AND SIGNATURE ANALYSIS REQUEST . Phil Brinkerhoff Relles Dioxins/Furans 1* by EPA 8290 Congeners*1 by EPA 1668 Aldehydes2* by EPA 8315 METALS* by EPA N 6010B/6020/7471A/7470A pH by EPA 9045C/9040B Aroclors*2 by EPA 8082 Hex chromlum by EPA VOCs* by EPA 8260B ONS* by EPA 300.0 Physical Parameters PROJECT NAME: Southern RIBs SUB AREA OC Pesticides* by PROJECT NUMBER: 20092474V1 Container ZnAc/NaOH H2S04 NaOH EDA 쟞 TIME SAMPLE ID DATE 9-14-69 825 Rinsate -1 Comments/Instructions:

² 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

Signature;	Print Name:	Company Name/Title:	Date:	Time:
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or Lab Use Only: Sample Condition Upon Receipt:

Analyze at TA-Sacramento

PRIGINAL: Send with sample (sign only in blue or black ink)

ERM CONTACT PERSON LABORATORY: GEL Laboratories, LLC Name: Maria Baraias-Albalawi Contact Person: Amanda Rasco Address: 2525 Natomas Park Drive, Suite 350 Address: 2040 Savage Road Sacramento, CA 95833 Charleston, SC 29407 Phone #: (916) 924-9378 Phone: (843) 556-8171 Date: 9-14 FED EX #: SAMPLER(S) PRINTED NAME AND SIGNATURE **ANALYSIS REQUEST** Phil Brinkerhoff/6 PERCHLORATE* by EPA 314.0 PERCENT MOISTURE by 8270SIM PROJECT NAME: Southern RIBs SUB AREA RADIONUCLIDES PROJECT NUMBER: 20092474V1 Container **12SO4** HCI HINO3 Unpres NaOH TIME DATE SAMPLE ID 0850 09/1 Comments/Instructions: Print Name: Company Name/Title: Signature: Date: Time:

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For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

LABORATORY: GEL Laboratories, LLC.

COPIES: Retained by Sampler, Sent to Office

Contact Person: Amanda Rasco

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi

ORIGINAL: Send with sample (sign only in blue or black ink)

Address: 2525 Natomas Park Drive, Suite 350 Address: 2040 Savage Road Sacramento, CA 95833 Charleston, SC 29407 Phone #: (916) 924-9378 Phone: (843) 556-8171 FED EX#: Date: 9 SAMPLER(S) PRINTED NAME AND SIGNATURE ANALYSIS REQUEST Phil Brinkerhoff & Black PERCHLORATE* by EPA 314.0 PAH'S* by 8270SIM PROJECT NAME: Southern RIBs SUB AREA SVOCs* by 8270 PROJECT NUMBER: 20092474V1 Container H2S04 Unpres F F NaOH TIME SAMPLE ID DATE Comments/Instructions: Print Name: Company Name/Title: Signature: Date: Time: RELINQUISHED BY: Brinkerhoff RECEIVED BY: FEORY RELINQUISHED BY: RECEIVED BY: For Lab Use Only: Sample Condition Upon Receipt:

ERM CONTACT PERSON Name: Maria Barajas-Albalawi Address: 2525 Natomas Park Dr Sacramento, CA 95833 Phone #: (916) 924-9378	ive, Suite 350											l [®]	oge	e l	4				Ļ	AB		(Conta	act P : 137 arth (erso 15 F City,	on: Je Rider Miss	erry E Trai souri	Loui Evere Nort 6304 8-856	ett th 45
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or Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

LABORATORY: EMSL

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi Address: 2525 Natomas Park D Sacramento, CA 95833	rive, Suite 350																					Ado		s: 10)7 Ha	addo	n A	Siegel /enue)8108
Phone #: (916) 924-9378										•				-							Pho	ne:	1-80					1209
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ERM CONTACT PERSON LABORATORY: TestAmerica-St. Louis Name: Maria Barajas-Albalawi Contact Person: Jerry Everett Address: 2525 Natomas Park Drive, Suite 350 Address: 13715 Rider Trail North Sacramento, CA 95833 Earth City, Missouri 63045 Phone #: (916) 924-9378 Phone: (314) 298-8566 FED EX# 7969 5534 7415 & 7979 4300 7791 Date: 9-17-199 SAMPLER(S) PRINTED NAME AND SIGNATURE **ANALYSIS REQUEST** Phil Brinkerhoff/ Bloky **EPA 8081A** METALS* by EPA N 6010B/6020/7471A/7470A Aldehydes2* by EPA 8315 Congeners*1 by EPA 1668 pH by EPA 9045C/9040B Aroclors*2 by EPA 8082 VOCs* by EPA 8260B IONS* by EPA 300.0 Physical Parameters PROJECT NAME: Southern RIBs SUB AREA OC Pesticides* by Hex chromium by PROJECT NUMBER: 20092474V1 Container ZnAc/NaOH **12SO4** HN03 NaOH EDA 후 TIME SAMPLE ID DATE 3RC8-7988-0 9-17-09 114D 9-17-09 COPICO POCIFO-187 TRC2-ATI9CS-10-DUP 9-17-09 1325 D comments/Instructions: Analyze at TA-Sacramento ² 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 Print Name: Company Name/Title: Signature: Date: Time: GES/Geologist ELINQUISHED BY: Phil Brinkerhose 19-17-09 1600 ECEIVED BY: FEDEX Auc Bill **ELINQUISHED BY:**

or Lab Use Only: Sample Condition Upon Receipt:

ECEIVED BY:

RIGINAL: Send with sample (sign only in blue or black ink)

ERM CONTACT PERSON LABORATORY: TestAmerica-St. Louis Name: Maria Barajas-Albalawi Contact Person: Jerry Everett Address: 2525 Natomas Park Drive, Suite 350 Address: 13715 Rider Trail North Sacramento, CA 95833 Earth City, Missouri 63045 Phone #: (916) 924-9378 Phone: (314) 298-8566 2 7979 4300 FED EX#: 7969 5534 7415 Date: 9-17-29 SAMPLER(S) PRINTED NAME AND SIGNATURE **ANALYSIS REQUEST** Phil Brinkerhoff/ EBKI Dioxins/Furans1* by EPA 8290 Congeners*1 by EPA 1668 6010B/6020/7471A/7470A Aroclors*2 by EPA 8082 VOCs* by EPA 8260B **PROJECT NAME: Southern RIBs SUB AREA** Percent Moisture PROJECT NUMBER: 20092474V1 Container 2nAc/NaOH H2S04 EQNT HN03 NaOH ΕDA 쭈 TIME SAMPLE ID DATE 9-17-09 SRC2-J33-0 930 58C2-233-0-04P 930 958 SBC2 - T34-0 1015 SRC1-JO3N-D SRCA-JOSE-D 1020 SRC1- J-35-D 1030 1055 SRCZ-JOZE-D SRC2-202N-0 11.2.4 1130 SRC2-Jo2W-D Comments/Instructions: ¹ Analyze at TA-Sacramento ² 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 Print Name: Company Name/Title: Signature: Date: Time: Phil Brinkerhoff GES/ Geolog, 34 9-17-08 RELINQUISHED BY: FED EX RECEIVED BY:

For Lab Use Only: Sample Condition Upon Receipt:

RELINQUISHED BY: RECEIVED BY:

ORIGINAL: Send with sample (sign only in blue or black ink)

LABORATORY: GEL Laboratories, LL(**ERM CONTACT PERSON** Contact Person: Amanda Rasci Name: Maria Baraias-Albalawi Address: 2525 Natomas Park Drive, Suite 350 Address: 2040 Savage Road Sacramento, CA 95833 Charleston, SC 29407 Phone: (843) 556-817' Phone #: (916) 924-9378 Date: 9-17-09 FED EX#: 7969 5533 5216 SAMPLER(S) PRINTED NAME AND SIGNATURE **ANALYSIS REQUEST** Phil Brinterboff & Bloke PERCHLORATE* by EPA 314.0 PERCENT MOISTURE PAH'S* by 8270SIM PROJECT NAME: Southern RIBs SUB AREA RADIONUCLIDES SVOCs* by 8270 PROJECT NUMBER: 20092474V1 Container ZnAc/NaOH H2S04 F F F NaOH EDA TIME DATE SAMPLE ID 91-17-01 OEP 5BC2-333-0 930 5RCA-333-0-DUP 9-17-69 9-17-09 95e 5862-J34-0 9-17-09 Comments/Instructions:

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Print Name:

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

Signature:

COPIES: Retained by Sampler, Sent to Office

Date:

Time:

Company Name/Title:

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 Date: 7-18-091

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