

September 16, 2008

Mr. Jack Whitten  
USNRC Region IV  
612 E. Lamar Blvd. Suite 400  
Arlington TX 76011-9908

Mr. Wade C. Adams  
Health Physicist /Survey Projects  
Oak Ridge Institute for Science  
and Education (ORISE)  
P.O Box 117, Mail Stop 19  
Oak Ridge, TN 37831-0117

Mr. John B. Hickman, Project Manager  
U.S. Nuclear Regulatory Commission  
Two White Flint North  
Mail Stop T-8 F5  
11555 Rockville Pike  
Rockville, MD 20852-2738

Gentlemen:

Enclosed are the following items for your information in preparation for the conference call we will have on Tuesday, September 23, 2008 at 10 am (PDT), 1 pm (EDT) to discuss taking near-term soil samples to be used in the Final Status Survey:

- Report "Radiological Status of the Humboldt Bay Repowering Project Soils," prepared by Enercon Services, Inc for PG&E/Humboldt Bay Power Plant, dated September 2008
- DRAFT Report "Historical Site Assessment," prepared by Enercon Services, Inc for PG&E/Humboldt Bay Power Plant, dated September 2008 (DRAFT DOCUMENT – PLEASE DO NOT PLACE IN ADAMS)
- Two aerial photographs of the Humboldt Bay site showing the outline of the location of the new fossil facility (Humboldt Bay Repowering Plant) where the soil samples will be taken near-term for use in the Final Status Survey
- Site Plot Plan used during a PG&E/NRC meeting to discuss Partial Site Characterization, February 21, 2007, in Rockville, MD, showing location of the new fossil facility (Humboldt Bay Repowering Plant) where the soil samples will be taken near-term for use in the Final Status Survey

For the conference call, dial 1-877-481-7043, then hit meeting code \*7074440801\*  
Three NRC Region IV inspectors will be onsite at HBPP during the call. If you have any questions, please do not hesitate to contact me.



David Sokolsky  
Supervisor of Licensing  
Humboldt Bay Power Plant  
707-444-0801  
dds2@pge.com

# **Radiological Status of the Humboldt Bay Repowering Project Soils**

Prepared for

**Humboldt Bay Power Plant  
Pacific Gas & Electric Company  
Eureka, California**

Prepared by



# **ENERCON**

Enercon Services, Inc.  
4499 Old William Penn Hwy  
Murrysville, Pennsylvania

September 2008



# ENERCON

*Excellence—Every project. Every day.*

September 2, 2008

DGM-08-004

Mr. David Sokolsky  
Pacific Gas & Electric Company  
Humboldt Bay Power Plant  
1000 King Salmon Avenue  
Eureka, CA 95503

Subject: Radiological Status of the Humboldt Bay Repowering Project Soils

Dear Mr. Sokolsky:

The intent of this letter is to describe the current radiological status of the soils in the Humboldt Bay Repowering Project (HBRP) area. ENERCON Services, Inc. (ENERCON) has determined that the area has no significant detectable residual contamination from Nuclear Reactor Operations at the Humboldt Bay Power Plant (HBPP). This determination is based upon the review of data from three different sampling efforts of the soils in the HBRP area; specifically, the characterizations performed by IT/Duratek in 1997, ENERCON in 2007, and TRC Solutions in 2008 were reviewed. Since the characterization performed by ENERCON for the License Termination Plan (LTP) is still underway, a summary of the sampling effort and the analysis data from the ENERCON soil sampling effort in the HBRP area in 2007 is attached.

The highlights from the different sampling efforts specific to the HBRP area are as follows:

- IT/Duratek Summary – Subsurface borings were advanced to a depth of 4 feet in 9 locations in the HBRP area. Samples were collected at 1-foot intervals beginning at 0.5 feet. One location had 6 additional borings in the immediate area. This grouping of samples was to determine the extent of contamination located at the end of a drainage pipe that ran along the northern edge of the train tracks. The tracks and the drain line had been covered by fill and gravel. All samples in the HBRP area were less than the accepted site background of 0.5 pCi/g Cs-137, except the one location with close grouping of borings had three samples at a depth of 3.0 to 3.5 feet with concentrations ranging from 1.34 pCi/g to 1.84 pCi/g and three samples had detectable Co-60 with a maximum concentration of 0.9 pCi/g. The location with detectable Co-60 and elevated Cs-137 is on the northern edge of the HBRP boundary and should not be near the foundation of the actual generating plants or ancillary equipment. Additional samples were not collected to confirm or determine the extent of the elevated radioactive material since the concentrations were less than potential release criteria. A drawing with IT/Duratek sample data from samples collected in the HBRP area is included in Attachment 1.
- ENERCON Data Summary – The survey of the area indicated no significant detectable contamination from HBPP Unit 3 nuclear reactor operations. One surface soil sample result indicated a Cs-137 concentration of 0.653 pCi/g with a two-sigma uncertainty of  $\pm 0.084$  pCi/g. All other samples Cs-137 results were less than the HBPP site established background of 0.5 pCi/g Cs-137. All results for Co-60, Am-241, Pu-239/240,

Cm-242/244, Sr-90, and Tritium were not detected. The result of the soil sample Gamma radiation surveys indicated no levels of gamma radiation greater than twice background. Laboratory analysis reports from General Engineering Laboratories are attached as well as drawings of the surface soil sample locations and the gamma walkover measurement locations. Additional samples were not collected to confirm or determine the extent of the elevated radioactive material since the concentrations were less than potential release criteria. A summary of the ENERCON sample collection process, drawings depicting the sample locations, and laboratory analysis results are included in Attachment 2.

- TRC Data Summary – TRC Solutions, Inc. advanced 44 borings, with approximately 3 samples per boring, in the HBRP area in support of their Environmental Remedial Investigations in July 2008. In addition to the remedial investigation analyses for non-radiological materials, all samples were submitted for gamma spectroscopy analysis to gain additional knowledge of the subsurface soils in the HBRP area. It was necessary to determine whether or not the soils could be released off site for disposal without restriction, i.e. no radionuclide concentrations derived from Unit 3 operations. All subsurface samples collected from the borings in HBRP Area were less than the site background of 0.5 pCi/g Cs-137, except for one sample with a concentration of 1.23 pCi/g  $\pm$  0.146 pCi/g at a depth of 4.5 feet. Additional samples were not collected to confirm or determine the extent of the elevated radioactive material since the concentrations were less than potential release criteria. A drawing of the sample locations and the laboratory analysis results are included in Attachment 3.

The aforementioned soil characterization efforts primarily addressed soil exposure routes from the air or groundwater. Two additional exposure routes, burial or subsurface migration along subsurface pipe trenches, may be possible. The operating history and personal accounts do not indicate a high potential for these routes to occur. As a conservative measure, additional sampling will occur during the initial construction phase of the HBRP (i.e. interference removal of buildings, subsurface structures, and pipes and area preparation/grading) to assess whether or not soils were exposed to radioactive material through either of these exposure routes. During the interference removal phase as previously non-accessible soils become accessible, samples will be collected and analyzed for Cs-137. The non-accessible areas include soils below pipes, soils beneath foundations, and soil that does not appear to be native to the immediate area. Objects and other items encountered during excavation of soils in HBRP, will be surveyed with a portable radiation detection instrument before disposal offsite. As a final check, all disposal trucks leaving HBPP with soils or debris for unrestricted release will be scanned independently by the HBPP Radiation Protection Department to ensure compliance with disposal facility waste acceptance criteria

Based on the characterization survey results and historical operations at HBPP, a high degree of confidence has been obtained that future worker(s) assigned to the HBRP facility will receive no significant radiation dose above background. Survey results indicate radioactive material concentrations exist in the surface and subsurface soils; however, the data also indicates that the average concentration should be significantly less than the Nuclear Regulatory Commission's screening levels for residual radioactive material, and will not require any remediation. Furthermore, it is ENERCON's opinion that these values are significantly below proposed Derived Concentration Guideline Levels (DCGLs) currently in development for the site.

During the decommissioning of HBPP Unit 3 Nuclear Reactor, a Cross Contamination Prevention and Monitoring Plan will be implemented to ensure the HBRP area and facilities are not impacted

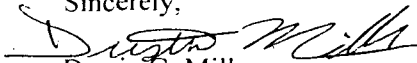


Mr. David Sokolsky  
September 2, 2008  
Page 3 of 3

from Unit 3 decommissioning activities. As part of this plan, routine surveys will be conducted at the facility and continuous environmental air samples will be collected. HBPP has also completed the installation of 7 groundwater monitoring wells to augment the existing network of monitoring wells. Additionally, engineering and administrative controls will be implemented to minimize or eliminate the risk of inadvertent releases of radioactive material during decommissioning activities.

Based on the above discussion, there is no significant radiological impact to construction workers or the future personnel in the HBRP area.

Sincerely,



Dustin G. Miller  
Health Physicist/Project Manager

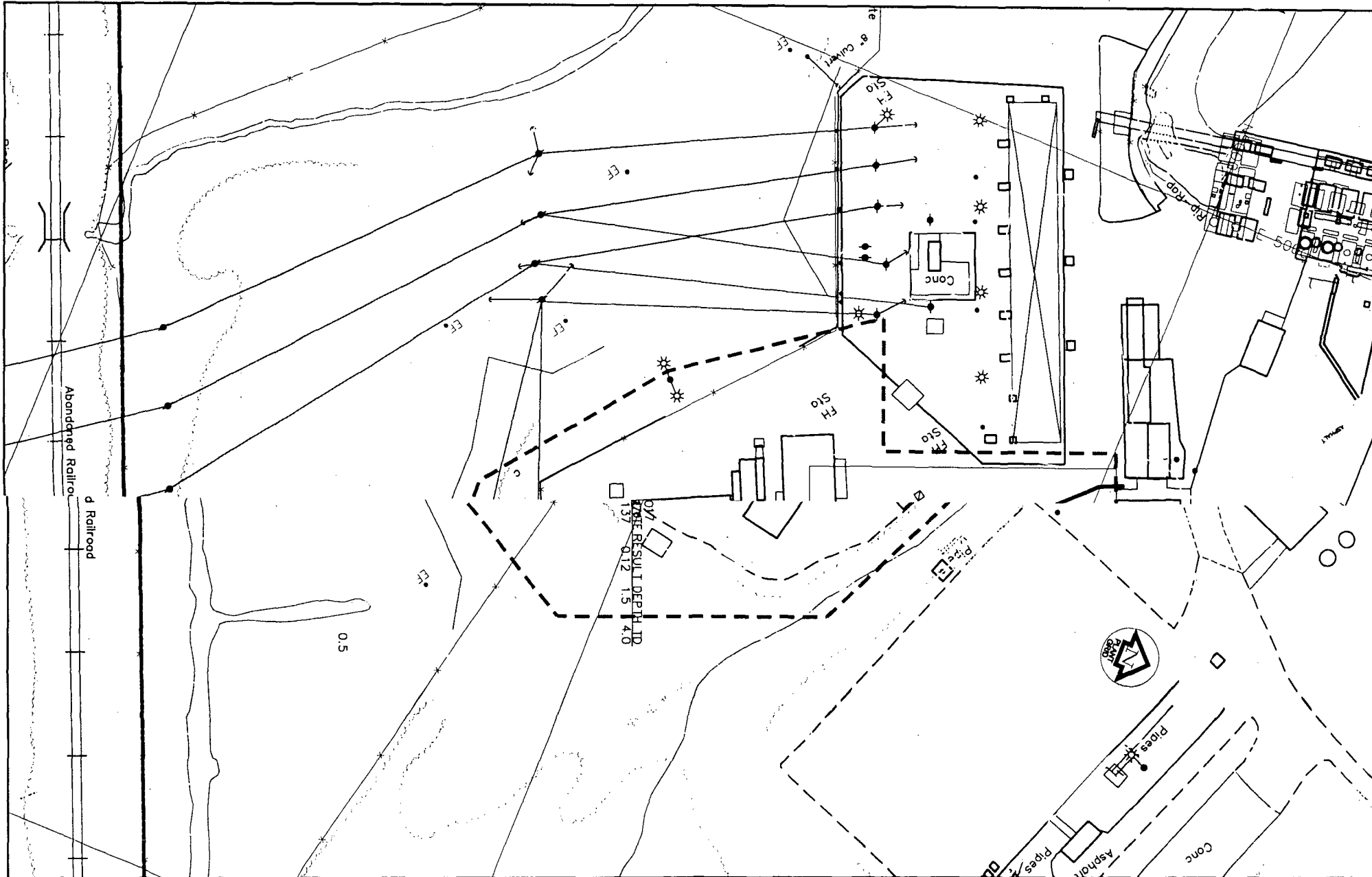
DGM:dmm

cc: John Albers  
Keith Mahosky  
Gerald Williams

Attachments

## **ATTACHMENT 1**

**A Drawing With IT/Duratek Sample Data From Samples  
Collected In The HBRP Area**



SHEET NAME:

1997 IT/DURATEK  
SOIL SAMPLE LOCATIONS  
AND RESULTS

PROJECT NAME

HUMBOLDT BAY POWER PLANT  
EUREKA, CA

PREPARED FOR

PACIFIC GAS & ELECTRIC  
SAN FRANCISCO, CA

PREPARED BY



ENERCON

| REVISION | DATE | DESCRIPTION |
|----------|------|-------------|
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| SCALE: 1" = 50'         | DRAWN BY: JPM    |
| CHECKED BY: DCM         | DATE: 9/2/08     |
| APPROVED BY: N/A        | SHEET NO. 1 OF 1 |
| OWC FILE NO. 08-PGE-052 | REV: 0           |

SP

## **ATTACHMENT 2**

**A Summary Of The ENERCON Sample Collection Process, Drawings Depicting  
The Sample Locations, And Laboratory Analysis Results**

## HBRP Area History and ENERCON Surface Soil Characterization Summary

ENERCON has been contracted by PG&E to develop the License Termination Plan (LTP) for HBPP Unit 3. The characterization effort to support the development of the HBPP LTP is in the final stages and a final report has not been written. Therefore, the following information is summarized from the data contained in the ENERCON Characterization Survey Package 005SS3, *New Generation Area*:

### Operational History of Survey Unit

The HBRP area was not involved in typical plant work activities during operation of the HBPP Unit 3 Nuclear Reactor. The northern portion of this area is downwind of the Unit 3 stack, for the typical winter south to southeast winds. A large portion of this area has been covered by fill material with about one third of the fill material placed prior to Unit 3 operation and about half of the fill material placed since the beginning of Unit 3 operation. The historical activities in filled portions of this survey area are related to landscaping, operation of the Mobile Electric Power Plants (MEPPs), diesel oil storage, material/equipment storage, painting (and sandblasting to prepare for painting), office space and employee parking. The area has underground piping and electrical conduits. Items of interest in the survey area include the original sanitary sewer leach field for Unit 3 (south of the Oily Water Separator), and the filled drainage ditch/drainpipe that was constructed parallel to the rail spur roadbed.

### Detailed Physical Description of the HBRP

This survey unit contains the land area where the HBRP will occur. Some of the survey unit, approximately 50%, is covered by asphalt and/or rock. The remaining surface soil is covered with grass and other natural vegetation. This area has been initially classified as a MARSSIM Class 3 area due to the very low potential for radiological contamination to be present based off of soil sample data from the IT/Duratek 1997 Characterization effort.

### Characterization Survey Instructions Summary

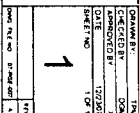
The characterization survey consisted of 14 soil samples and a gamma radiation walkover survey. The design of the Characterization Survey was based on criteria from NUREG-1757, Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM). Soil samples were collected at locations that were determined by random selection using the current version of Visual Sample Plan. Physical collection of the soil samples was delineated in the survey

instructions which included the sampling process, field decontamination of tools, sample labeling requirements, and sample location. The procedure HPP-OP-002, *Chain of Custody*, was used to delineate the required chain of custody process and requirements to ensure the integrity of the samples collected. Soil samples were submitted to General Engineering Laboratories (GEL) for gamma spectroscopy for Cs-137 and Co-60 and for analysis of Am-241, Pu-239/240, Cm-242/244, Sr-90, and Tritium.

The survey instructions also described the procedures to be followed for the gamma radiation walkover survey which covered 100% of accessible surface soil areas using a 2x2 Sodium Iodide (NaI) detector with a scanning speed of less than 0.5 m/s. The gamma walkover survey was performed using a Ludlum Model 44-10 (2" x 2") NaI detector coupled to a Ludlum Model 2221 meter. A Trimble® Pathfinder ProXR Global Positioning System (GPS) was used to log the position and radiation measurements collected during the gamma walkover survey. The GPS was also used to located and log the surface soil samples collected in the area.

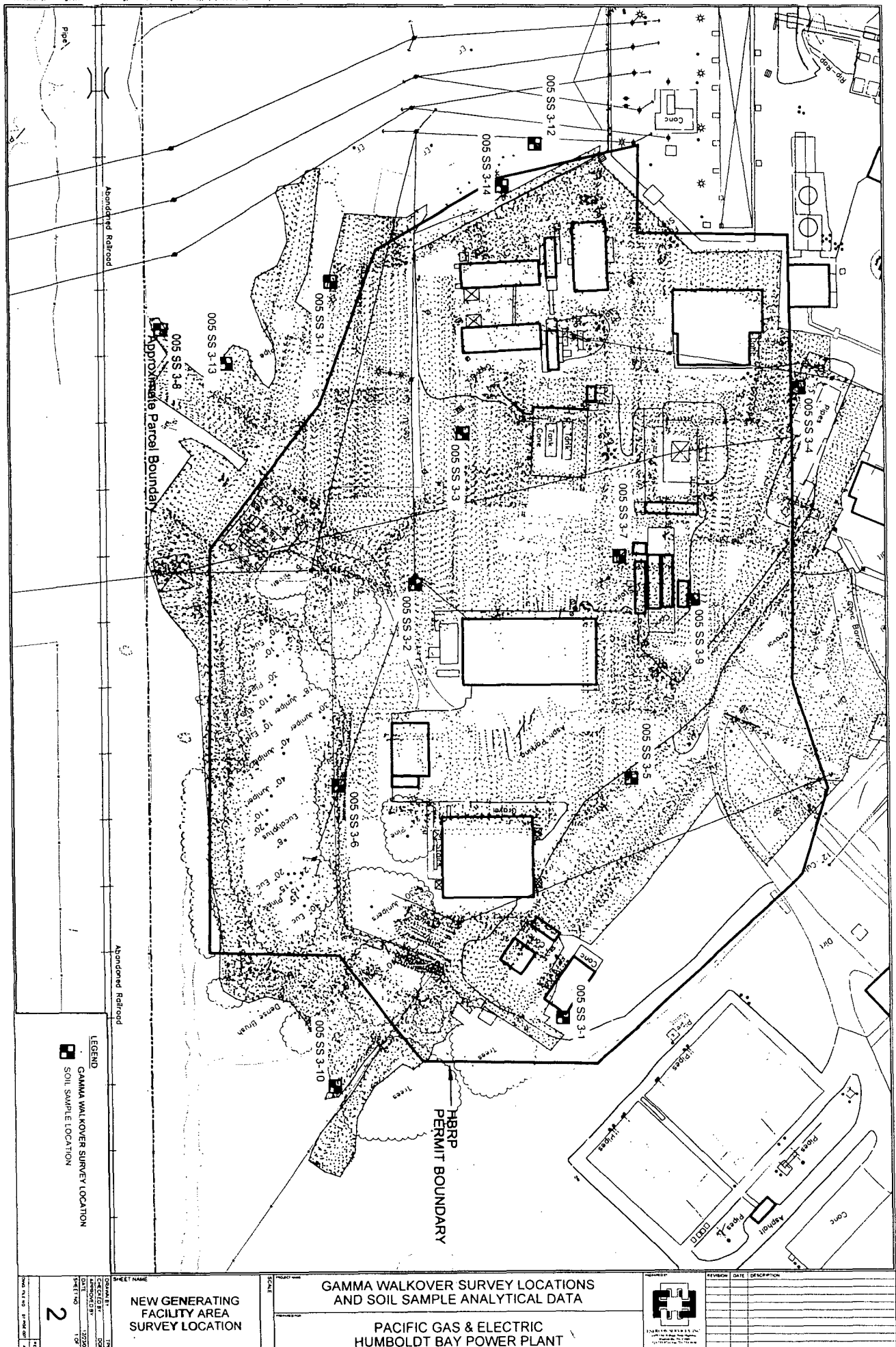
#### Characterization Data Results

The survey of the area indicated no significant detectable contamination from HBPP Unit 3 nuclear reactor operations. One surface soil sample result indicated a Cs-137 concentration of 0.653 pCi/g with a two-sigma uncertainty of  $\pm 0.084$ pCi/g. All other Cs-137 sample results were less than the HBPP site established background of 0.5 pCi/g Cs-137. All results for Co-60, Am-241, Pu-239/240, Cm-242/244, Sr-90, and Tritium were not detected. The result of the soil sample Gamma radiation surveys indicated no levels of gamma radiation greater than twice background. Laboratory analysis reports from General Engineering Laboratories are attached as well as drawings of the surface soil sample locations and the gamma walkover measurement locations.



PACIFIC GAS & ELECTRIC  
HUMBOLDT BAY POWER PLANT

[illegible]







a member of **The GEL Group** INC



PO Box 30712 Charleston, SC 29417  
2040 Savage Road Charleston, SC 29407  
P 843.556.8171 F 843.766.1178

[www.gel.com](http://www.gel.com)

November 01, 2007

Mr. Dustin G. Miller  
Enercon Services, Inc.  
4499 Old William Penn Highway  
Murrysville, Pennsylvania 15668

Re: Humboldt Bay NPP soils  
Work Order: 195257

Dear Mr. Miller:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on October 08, 2007. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4504.

Sincerely,

A handwritten signature in black ink, appearing to read "Erin M. Stanley".

Erin Stanley  
Project Manager

Chain of Custody: 021-07 and 030-07  
Enclosures

| Page: <u>L</u> of <u>L</u><br>Project #: <u>PG&amp;E - H3025</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> : <u>030-07</u><br>PO Number:   | <b>GEL Chain of Custody and Analytical Request</b> | General Engineering Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |  |   |  |  |  |                                      |  |                                     |  |  |  |                |  |                            |  |                                   |  |  |  |   |  |
|---|--|---|--|---|--|--|--|--------------------------------------|--|-------------------------------------|--|--|--|----------------|--|----------------------------|--|-----------------------------------|--|--|--|---|--|
| Client Name: <u>Enercon Services Inc.</u>   | Phone #: <u>1(724) 733-8711</u>                    |   |  |   |  |  |  |                                      |  |                                     |  |  |  |                |  |                            |  |                                   |  |  |  |   |  |
| Project/Site Name: <u>Humboldt Bay NPP</u>  | Fax #: <u>1(724) 733-4630</u>                      |   |  |   |  |  |  |                                      |  |                                     |  |  |  |                |  |                            |  |                                   |  |  |  |   |  |
| Address: <u>1000 King Salmon Avenue, Eureka, CA 95503</u>   |  |   |  |   |  |  |  |                                      |  |                                     |  |  |  |                |  |                            |  |                                   |  |  |  |   |  |
| Collected by: <u>William DeGuerra &amp; Joyce Thomas</u>  | Send Results To: <u>Corey DeWitt</u>               |   |  |   |  |  |  |                                      |  |                                     |  |  |  |                |  |                            |  |                                   |  |  |  |   |  |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small>  |  | Date Collected<br><small>(mm-dd-yy)</small>   |  | Time Collected<br><small>(Military)<br/>(hh:mm)</small> |  | QC Code<br><small>(1)</small>            |  | Field Filtered<br><small>(2)</small> |  | Sample Matrix<br><small>(4)</small> |  | Radioactive  |  | TSCA Regulated |  | Total number of containers |  | Should this sample be considered: |  |  |  | Comments<br><small>Note: extra sample is required for sample specific QC</small>        |  |
| <u>AREA - 005SS3-6</u>  |  | <u>09/18/07</u>   |  | <u>0930</u>   |  | <u>N</u>                                 |  | <u>N/A</u>                           |  | <u>SO</u>                           |  |  |  |                |  | <u>1</u>                   |  |                                   |  |  |  |   |  |
| <u>005SS3-8</u>   |  | <u>09/18/07</u>   |  | <u>1000</u>   |  | <u>N</u>                                 |  | <u>N/A</u>                           |  | <u>SO</u>                           |  |  |  |                |  | <u>1</u>                   |  |                                   |  |  |  |   |  |
| <u>005SS3-10</u>  |  | <u>09/18/07</u>   |  | <u>1020</u>   |  | <u>N</u>                                 |  | <u>N/A</u>                           |  | <u>SO</u>                           |  |  |  |                |  | <u>1</u>                   |  |                                   |  |  |  |   |  |
| <u>005SS3-11</u>  |  | <u>09/18/07</u>   |  | <u>1040</u>   |  | <u>N</u>                                 |  | <u>N/A</u>                           |  | <u>SO</u>                           |  |  |  |                |  | <u>1</u>                   |  |                                   |  |  |  |   |  |
| <u>005SS3-12</u>  |  | <u>09/18/07</u>   |  | <u>1100</u>   |  | <u>N</u>                                 |  | <u>N/A</u>                           |  | <u>SO</u>                           |  |  |  |                |  | <u>1</u>                   |  |                                   |  |  |  |   |  |
| <u>005SS3-13</u>  |  | <u>09/18/07</u>   |  | <u>1120</u>   |  | <u>N</u>                                 |  | <u>N/A</u>                           |  | <u>SO</u>                           |  |  |  |                |  | <u>1</u>                   |  |                                   |  |  |  |   |  |
| <u>005SS3-14</u>  |  | <u>09/18/07</u>   |  | <u>1140</u>   |  | <u>N</u>                                 |  | <u>N/A</u>                           |  | <u>SO</u>                           |  |  |  |                |  | <u>1</u>                   |  |                                   |  |  |  |   |  |
| <u>005SS3-05</u>  |  | <u>09/18/07</u>   |  | <u>1600</u>   |  | <u>N</u>                                 |  | <u>N/A</u>                           |  | <u>SO</u>                           |  |  |  |                |  | <u>1</u>                   |  |                                   |  |  |  |   |  |
| <u>N</u>  |  | <u>N</u>  |  | <u>N</u>  |  | <u>N</u>                                 |  | <u>N</u>                             |  | <u>N</u>                            |  | <u>N</u>   |  |                |  |                            |  |                                   |  |  |  |   |  |
| <u>A</u>  |  | <u>A</u>  |  | <u>A</u>  |  | <u>A</u>                                 |  | <u>A</u>                             |  | <u>A</u>                            |  | <u>A</u>   |  |                |  | <u>A</u>                   |  |                                   |  |  |  |   |  |
| TAT Requested: Normal:      Rush:      Specify:      (Subject to Surcharge)      Fax Results:      Yes / No      Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4                      |  |   |  |   |  |  |  |                                      |  |                                     |  | Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards |  |                |  |                            |  |                                   |  |  |  | Sample Collection Time Zone<br>Eastern    Pacific    Central    Other _____<br>Mountain |  |
| Chain of Custody Signatures   |  |   |  |   |  |  |  |                                      |  |                                     |  | Sample Shipping and Delivery Details   |  |                |  |                            |  |                                   |  |  |  |   |  |
| Relinquished By (Signed)      Date      Time  |  |   |  |   |  | Received by (signed)      Date      Time |  |                                      |  |                                     |  | GEL PM:  |  |                |  |                            |  |                                   |  |  |  |   |  |
| 1 <u>Joyce Thomas</u> 09/18/07      1600  |  |   |  |   |  | 1 <u>Joyce Thomas</u> 09/18/07      1600 |  |                                      |  |                                     |  | Method of Shipment: <u>UPS</u>   |  |                |  |                            |  |                                   |  |  |  |   |  |
| 2 <u>Joyce Thomas</u> 09/28/07      1400  |  |   |  |   |  | 2 <u>Joyce Thomas</u> 10/18/07      915  |  |                                      |  |                                     |  | Airbill #: <u>12 F10 F74 03 9004 5308</u>  |  |                |  |                            |  |                                   |  |  |  |   |  |
| 3   |  |   |  |   |  | 3  |  |                                      |  |                                     |  | Airbill #:   |  |                |  |                            |  |                                   |  |  |  |   |  |
| 1.) Chain of Custody Number = Client Determined   |  |   |  |   |  |  |  |                                      |  |                                     |  | For Lab Receiving Use Only   |  |                |  |                            |  |                                   |  |  |  |   |  |
| 2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite                                  |  |   |  |   |  |  |  |                                      |  |                                     |  | Custody Seal Intact?<br>YES      NO  |  |                |  |                            |  |                                   |  |  |  |   |  |
| 3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.  |  |   |  |   |  |  |  |                                      |  |                                     |  | Cooler Temp:<br>C  |  |                |  |                            |  |                                   |  |  |  |   |  |
| 4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal                   |  |   |  |   |  |  |  |                                      |  |                                     |  |  |  |                |  |                            |  |                                   |  |  |  |   |  |
| 5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).  |  |   |  |   |  |  |  |                                      |  |                                     |  |  |  |                |  |                            |  |                                   |  |  |  |   |  |
| 6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate, If no preservative is added = leave field blank |  |   |  |   |  |  |  |                                      |  |                                     |  |  |  |                |  |                            |  |                                   |  |  |  |   |  |
| WHITE = LABORATORY  |  |   |  |   |  |  |  |                                      |  |                                     |  | YELLOW = FILE  |  |                |  |                            |  |                                   |  |  |  |   |  |
| PINK = CLIENT   |  |   |  |   |  |  |  |                                      |  |                                     |  |  |  |                |  |                            |  |                                   |  |  |  |   |  |

|   |  |   |
|---|--|---|
| Page: _____ of _____<br>Project #: <u>PG&amp;E-HB085</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> : <u>021-07</u><br>PO Number: | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | General Engineering Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number: <span style="float: right;">195257</span>  |  |   |

| Client Name: <u>Enercon Services Inc.</u>   |   | Phone #: <u>1(724)733-8111</u>                     |                               | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                                     |                            |  |  |  |  |  |  |  |  |  |                       |   |
|---|---|--|-------------------------------|---|-------------------------------------|----------------------------|--|--|--|--|--|--|--|--|--|-----------------------|---|
| Project/Site Name: <u>Humboldt Bay NPP</u>  |   | Fax #: <u>1(724)733-4630</u>                       |                               | Should this sample be considered:   | Total number of containers          |                            |  |  |  |  |  |  |  |  |  | Preservative Type (6) |   |
| Address: <u>1000 King Salmon Avenue Eureka, CA 95503</u>  |   |  |                               |   |                                     |                            |  |  |  |  |  |  |  |  |  |                       |   |
| Collected by: <u>William DeGuerre &amp; Joyce Thomas</u>  |   | Send Results To: <u>COREY DeWitt</u>               |                               | Radioactive   | TSCA Regulated                      | Total number of containers |  |  |  |  |  |  |  |  |  |                       | Comments<br>Note: extra sample is required for sample specific QC |
|   |   |  |                               |   |                                     |                            |  |  |  |  |  |  |  |  |  |                       |   |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small>  | Date Collected<br><small>(mm-dd-yy)</small> | Time Collected<br><small>(Military) (hhmm)</small> | QC Code<br><small>(1)</small> | Field Filtered<br><small>(1)</small>  | Sample Matrix<br><small>(4)</small> |                            |  |  |  |  |  |  |  |  |  |                       |   |
| AREA - 005SS3-7   | 09-07-07                                    | 1100   | N                             | N/A   | SO                                  |                            |  |  |  |  |  |  |  |  |  |                       |   |
| 005SS3-9  | 09-07-07                                    | 1120   | N                             |   | SO                                  |                            |  |  |  |  |  |  |  |  |  |                       |   |
| 005SS3-4  | 09-07-07                                    | 1140   | N                             |   | SO                                  |                            |  |  |  |  |  |  |  |  |  |                       |   |
| 005SS3-2  | 09-07-07                                    | 1200   | N                             |   | SO                                  |                            |  |  |  |  |  |  |  |  |  |                       |   |
| 005SS3-1  | 09-07-07                                    | 1240   | N                             |   | SO                                  |                            |  |  |  |  |  |  |  |  |  |                       |   |
| 005SS3-3  | 09-07-07                                    | 1300   | N                             | ✓   | SO                                  |                            |  |  |  |  |  |  |  |  |  |                       |   |
| <div style="display: flex; justify-content: space-around; font-size: 2em;"> <span>N</span><span>A</span><span>N</span><span>A</span><span>N</span><span>A</span> </div> |   |  |                               |   |                                     |                            |  |  |  |  |  |  |  |  |  |                       |   |

|  |                       |   |
|--|-----------------------|---|
| TAT Requested: Normal: _____ Rush: _____ Specify: _____ (Subject to Surcharge) | Fax Results: Yes / No | Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4 |
|--|-----------------------|---|

|  |  |
|--|--|
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards | <b>Sample Collection Time Zone</b><br>Eastern _____ Pacific <u>          </u><br>Central _____ Other _____<br>Mountain _____ |
|--|--|

| Chain of Custody Signatures |        |      |   | Sample Shipping and Delivery Details |                             |
|-----------------------------|--------|------|---|--------------------------------------|-----------------------------|
| Relinquished By (Signed)    | Date   | Time | Received by (signed)                      | Date                                 | Time                        |
| <u>Joyce Thomas</u>         | 090707 | 1300 | <u>Joyce Thomas</u>                       | 090707                               | 1300                        |
| <u>Joyce Thomas</u>         | 092807 | 1400 | <u>Joyce Thomas</u>                       | 091807                               | 915                         |
|                             |        |      | GEL PM:                                   |                                      |                             |
|                             |        |      | Method of Shipment: <u>UPS</u>            |                                      | Date Shipped: <u>092807</u> |
|                             |        |      | Airbill #: <u>1Z F10 F74 03 9004 5308</u> |                                      |                             |
|                             |        |      | Airbill #:                                |                                      |                             |

1.) Chain of Custody Number = Client Determined

2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite

3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.

4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).

6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, IIX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank

For Lab Receiving Use Only

Custody Seal Intact?

YES      NO

Cooler Temp:

C

WHITE - LABORATORY
YELLOW - FILE
PINK - CLIENT



Laboratories LLC

## SAMPLE RECEIPT &amp; REVIEW FORM

|                                     |     |                                     |   |
|-------------------------------------|-----|-------------------------------------|---|
| Client: <u>Enercon</u>              |     | SDG/ARCOC/Work Order: <u>195257</u> |   |
| Received By: <u>JP</u>              |     | Date Received: <u>10/8/07</u>       |   |
| Suspected Hazard Information        | Yes | No                                  | *If Counts > x2 area background on samples not marked "radioactive", contact the Radiation Safety Group of further investigation. |
| COC/Samples marked as radioactive?  |     | X                                   | Maximum Counts Observed*: <u>40 cpm</u>   |
| Classified Radioactive II by RSO?   |     | X                                   |   |
| COC/Samples marked containing PCBs? |     | X                                   |   |
| Shipped as a DOT Hazardous?         |     | X                                   | Hazard Class Shipped: UN#:  |
| Samples identified as Foreign Soil? |     | X                                   |   |

| Sample Receipt Criteria |  | Yes | NA | No | Comments/Qualifiers (Required for Non-Conforming Items)   |
|-------------------------|--|-----|----|----|---|
| 1                       | Shipping containers received intact and sealed?                | X   |    |    | Circle Applicable: damaged container leaking container other (describe) seals broken                  |
| 2                       | Samples requiring cold preservation within (4 +/- 2 C)?        |     | X  |    | Preservation Method: blue ice dry ice <u>none</u> other (describe) ice bags<br><u>178g</u> <u>19°</u> |
| 3                       | Chain of custody documents included with shipment?             | X   |    |    |   |
| 4                       | Sample containers intact and sealed?                           | X   |    |    | Circle Applicable: damaged container leaking container other (describe) seals broken                  |
| 5                       | Samples requiring chemical preservation at proper pH?          |     | X  |    | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:                     |
| 6                       | VOA vials free of headspace (defined as < 6mm bubble)?         |     | X  |    | Sample ID's and containers affected:  |
| 7                       | Are Encore containers present?                                 |     |    | X  | (If yes, immediately deliver to Volatiles laboratory)   |
| 8                       | Samples received within holding time?                          | X   |    |    | ID's and tests affected:  |
| 9                       | Sample ID's on COC match ID's on bottles?                      | X   |    |    | Sample ID's and containers affected:  |
| 10                      | Date & time on COC match date & time on bottles?               | X   |    |    | Sample ID's affected:   |
| 11                      | Number of containers received match number indicated on COC?   | X   |    |    | Sample ID's affected:   |
| 12                      | COC form is properly signed in relinquished/received sections? | X   |    |    |   |

Comments:

UPS 1ZF10F7403904530S

PM (or PMA) review: Initials

gms

Date

10/8/07

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - [www.gel.com](http://www.gel.com)

### Certificate of Analysis Report for for

ENRC002 Enercon Services, Inc.

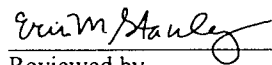
Client SDG: 195257 GEL Work Order: 195257

### Sample(s) Contained within this report:

| Lab Sample ID | Client Sample ID | Sample Description | Collected        |
|---------------|------------------|--------------------|------------------|
| 195257001     | 005SS3-6         | N/A                | 09/18/2007 09:30 |
| 195257002     | 005SS3-8         | N/A                | 09/18/2007 10:00 |
| 195257003     | 005SS3-10        | N/A                | 09/18/2007 10:20 |
| 195257004     | 005SS3-11        | N/A                | 09/18/2007 10:40 |
| 195257005     | 005SS3-12        | N/A                | 09/18/2007 11:00 |
| 195257006     | 005SS3-13        | N/A                | 09/18/2007 11:20 |
| 195257007     | 005SS3-14        | N/A                | 09/18/2007 11:40 |
| 195257008     | 005SS3-05        | N/A                | 09/18/2007 16:00 |
| 195257009     | 005SS3-7         | N/A                | 09/07/2007 11:00 |
| 195257010     | 005SS3-9         | N/A                | 09/07/2007 11:20 |
| 195257011     | 005SS3-4         | N/A                | 09/07/2007 11:40 |
| 195257012     | 005SS3-2         | N/A                | 09/07/2007 12:00 |
| 195257013     | 005SS3-1         | N/A                | 09/07/2007 12:40 |
| 195257014     | 005SS3-3         | N/A                | 09/07/2007 13:00 |

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, **Erin** Stanley.



Reviewed by

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - [www.gel.com](http://www.gel.com)

## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 195257013  
Client Sample ID: 005SS3-1  
Matrix: Soil  
Geometry Received:

Client: Enercon Services, Inc.  
Collect Date: September 07, 2007  
Receive Date: October 08, 2007  
Report Date: November 01, 2007

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Gamma Spec |          |           |                       |                        |                  |          |       |
| Co-60      | 10/31/07 | U         | 2.19E-02              | 2.34E-02               | 4.47E-02         | 1.00E-01 | pCi/g |
| Cs-137     | 10/31/07 | U         | -1.56E-02             | 2.33E-02               | 3.78E-02         | 1.00E-01 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

UI Gamma Spectroscopy--Uncertain identification

# GEL LABORATORIES LLC

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 195257012

Client: Enercon Services, Inc.

Client Sample ID: 005SS3-2

Collect Date: September 07, 2007

Matrix: Soil

Receive Date: October 08, 2007

Geometry Received:

Report Date: November 01, 2007

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Gamma Spec |          |           |                       |                        |                  |          |       |
| Co-60      | 10/31/07 | U         | 1.42E-03              | 3.55E-02               | 5.90E-02         | 1.00E-01 | pCi/g |
| Cs-137     | 10/31/07 | U         | -5.97E-03             | 3.71E-02               | 6.08E-02         | 1.00E-01 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

UI Gamma Spectroscopy—Uncertain identification

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 195257011

Client Sample ID: 005SS3-4

Matrix: Soil

Geometry Received:

Client: Enercon Services, Inc.

Collect Date: September 07, 2007

Receive Date: October 08, 2007

Report Date: November 01, 2007

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Gamma Spec |          |           |                       |                        |                  |          |       |
| Co-60      | 10/31/07 | U         | 1.43E-02              | 2.90E-02               | 4.32E-02         | 1.00E-01 | pCi/g |
| Cs-137     | 10/31/07 | U         | 1.49E-02              | 3.17E-02               | 4.33E-02         | 1.00E-01 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

UI Gamma Spectroscopy—Uncertain identification



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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 195257014

Client: Enercon Services, Inc.

Client Sample ID: 005SS3-3

Collect Date: September 07, 2007

Matrix: Soil

Receive Date: October 08, 2007

Geometry Received:

Report Date: November 01, 2007

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| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Gamma Spec |          |           |                       |                        |                  |          |       |
| Co-60      | 10/31/07 | U         | 2.26E-02              | 2.75E-02               | 5.20E-02         | 1.00E-01 | pCi/g |
| Cs-137     | 10/31/07 | U         | 0.00E+00              | 5.10E-02               | 5.90E-02         | 1.00E-01 | pCi/g |

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Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

UI Gamma Spectroscopy—Uncertain identification

# GEL LABORATORIES LLC

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 195257008  
Client Sample ID: 005SS3-05  
Matrix: Soil  
Geometry Received:

Client: Enercon Services, Inc.  
Collect Date: September 18, 2007  
Receive Date: October 08, 2007  
Report Date: November 01, 2007

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Gamma Spec |          |           |                       |                        |                  |          |       |
| Co-60      | 10/31/07 | U         | -2.33E-03             | 2.77E-02               | 4.60E-02         | 1.00E-01 | pCi/g |
| Cs-137     | 10/31/07 | 3         | 1.25E-01              | 4.26E-02               | 4.13E-02         | 1.00E-01 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

UI Gamma Spectroscopy—Uncertain identification

# GEL LABORATORIES LLC

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 195257001

Client: Enercon Services, Inc.

Client Sample ID: 005SS3-6

Collect Date: September 18, 2007

Matrix: Soil

Receive Date: October 08, 2007

Geometry Received:

Report Date: November 01, 2007

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Gamma Spec |          |           |                       |                        |                  |          |       |
| Co-60      | 10/30/07 | U         | -3.59E-03             | 3.24E-02               | 5.32E-02         | 1.00E-01 | pCi/g |
| Cs-137     | 10/30/07 | U         | 3.43E-02              | 4.64E-02               | 4.86E-02         | 1.00E-01 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

UI Gamma Spectroscopy—Uncertain identification

# GEL LABORATORIES LLC

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 195257009

Client: Enercon Services, Inc.

Client Sample ID: 005SS3-7

Collect Date: September 07, 2007

Matrix: Soil

Receive Date: October 08, 2007

Geometry Received:

Report Date: November 01, 2007

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Gamma Spec |          |           |                       |                        |                  |          |       |
| Co-60      | 10/31/07 | U         | 1.96E-02              | 3.05E-02               | 5.56E-02         | 1.00E-01 | pCi/g |
| Cs-137     | 10/31/07 | 3         | 1.30E-01              | 6.96E-02               | 5.01E-02         | 1.00E-01 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

UI Gamma Spectroscopy—Uncertain identification

# GEL LABORATORIES LLC

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 195257002  
Client Sample ID: 005SS3-8  
Matrix: Soil  
Geometry Received:

Client: Enercon Services, Inc.  
Collect Date: September 18, 2007  
Receive Date: October 08, 2007  
Report Date: November 01, 2007

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Gamma Spec |          |           |                       |                        |                  |          |       |
| Co-60      | 10/30/07 | U         | -2.63E-02             | 4.46E-02               | 6.47E-02         | 1.00E-01 | pCi/g |
| Cs-137     | 10/30/07 | 3         | 1.24E-01              | 7.52E-02               | 7.63E-02         | 1.00E-01 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

UI Gamma Spectroscopy—Uncertain identification

# GEL LABORATORIES LLC

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 195257010

Client: Enercon Services, Inc.

Client Sample ID: 005SS3-9

Collect Date: September 07, 2007

Matrix: Soil

Receive Date: October 08, 2007

Geometry Received:

Report Date: November 01, 2007

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Gamma Spec |          |           |                       |                        |                  |          |       |
| Co-60      | 10/31/07 | U         | 1.70E-02              | 2.73E-02               | 4.98E-02         | 1.00E-01 | pCi/g |
| Cs-137     | 10/31/07 | 3         | 6.53E-01              | 8.40E-02               | 4.26E-02         | 1.00E-01 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

UI Gamma Spectroscopy—Uncertain identification

# GEL LABORATORIES LLC

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 195257003

Client Sample ID: 005SS3-10

Matrix: Soil

Geometry Received:

Client: Enercon Services, Inc.

Collect Date: September 18, 2007

Receive Date: October 08, 2007

Report Date: November 01, 2007

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Gamma Spec |          |           |                       |                        |                  |          |       |
| Co-60      | 10/30/07 | U         | -3.29E-02             | 3.57E-02               | 4.94E-02         | 1.00E-01 | pCi/g |
| Cs-137     | 10/30/07 | UI        | 0.00E+00              | 7.73E-02               | 5.55E-02         | 1.00E-01 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

UI Gamma Spectroscopy--Uncertain identification

# GEL LABORATORIES LLC

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 195257004

Client: Enercon Services, Inc.

Client Sample ID: 005SS3-11

Collect Date: September 18, 2007

Matrix: Soil

Receive Date: October 08, 2007

Geometry Received:

Report Date: November 01, 2007

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Gamma Spec |          |           |                       |                        |                  |          |       |
| Co-60      | 10/30/07 | U         | 2.11E-02              | 3.55E-02               | 5.33E-02         | 1.00E-01 | pCi/g |
| Cs-137     | 10/30/07 | 3         | 1.63E-01              | 6.31E-02               | 4.79E-02         | 1.00E-01 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

UI Gamma Spectroscopy—Uncertain identification



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - [www.gel.com](http://www.gel.com)

## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 195257005  
Client Sample ID: 005SS3-12  
Matrix: Soil  
Geometry Received:

Client: Enercon Services, Inc.  
Collect Date: September 18, 2007  
Receive Date: October 08, 2007  
Report Date: November 01, 2007

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Gamma Spec |          |           |                       |                        |                  |          |       |
| Co-60      | 10/30/07 | U         | 2.37E-02              | 3.68E-02               | 6.65E-02         | 1.00E-01 | pCi/g |
| Cs-137     | 10/30/07 | 3         | 1.50E-01              | 5.53E-02               | 5.89E-02         | 1.00E-01 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

UI Gamma Spectroscopy—Uncertain identification

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - [www.gel.com](http://www.gel.com)

## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 195257006  
Client Sample ID: 005SS3-13  
Matrix: Soil  
Geometry Received:

Client: Enercon Services, Inc.  
Collect Date: September 18, 2007  
Receive Date: October 08, 2007  
Report Date: November 01, 2007

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Gamma Spec |          |           |                       |                        |                  |          |       |
| Co-60      | 10/30/07 | U         | 6.99E-03              | 3.25E-02               | 5.57E-02         | 1.00E-01 | pCi/g |
| Cs-137     | 10/30/07 | 3         | 2.46E-01              | 5.17E-02               | 4.82E-02         | 1.00E-01 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

UI Gamma Spectroscopy—Uncertain identification

# GEL LABORATORIES LLC

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 195257007

Client Sample ID: 005SS3-14

Matrix: Soil

Geometry Received:

Client: Enercon Services, Inc.

Collect Date: September 18, 2007

Receive Date: October 08, 2007

Report Date: November 01, 2007

---

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| <hr/>      |          |           |                       |                        |                  |          |       |
| Gamma Spec |          |           |                       |                        |                  |          |       |
| Co-60      | 10/31/07 | U         | 2.06E-02              | 3.03E-02               | 5.54E-02         | 1.00E-01 | pCi/g |
| Cs-137     | 10/31/07 | 3         | 1.61E-01              | 7.07E-02               | 4.95E-02         | 1.00E-01 | pCi/g |

---

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty).

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

UI Gamma Spectroscopy—Uncertain identification

# GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

## QC Summary

Report Date: November 1, 2007

Page 1 of 2

Enercon Services, Inc.  
4499 Old William Penn Highway  
Murrysville, Pennsylvania

Contact: Mr. Dustin G. Miller

Workorder: 195257

| Paramname      | NOM       | Sample      | Qual | QC          | Units | RPD% | REC% | Range       | Anlst | Date     | Time  |  |  |  |
|----------------|-----------|-------------|------|-------------|-------|------|------|-------------|-------|----------|-------|--|--|--|
| Rad Gamma Spec |           |             |      |             |       |      |      |             |       |          |       |  |  |  |
| Batch          | 691633    |             |      |             |       |      |      |             |       |          |       |  |  |  |
| QC1201436625   | 195257004 | DUP         |      |             |       |      |      |             |       |          |       |  |  |  |
| Cesium-137     |           | 1.63E-01    |      | 1.11E-01    | pCi/g | 38   |      | (0% - 100%) | MJH1  | 11/01/07 | 10:54 |  |  |  |
|                |           | +/-6.31E-02 |      | +/-5.11E-02 |       |      |      |             |       |          |       |  |  |  |
| Cobalt-60      |           | U -2.11E-02 | U    | -2.42E-02   | pCi/g | 14   |      | N/A         |       |          |       |  |  |  |
|                |           | +/-3.55E-02 |      | +/-3.22E-02 |       |      |      |             |       |          |       |  |  |  |
| QC1201436626   | LCS       |             |      |             |       |      |      |             |       |          |       |  |  |  |
| Americium-241  | 1.64E+01  |             |      | 1.32E+01    | pCi/g |      | 81   | (75%-125%)  |       | 11/01/07 | 12:59 |  |  |  |
|                |           |             |      | +/-1.32E+00 |       |      |      |             |       |          |       |  |  |  |
| Cesium-137     | 6.28E+00  |             |      | 6.75E+00    | pCi/g |      | 108  | (75%-125%)  |       |          |       |  |  |  |
|                |           |             |      | +/-6.30E-01 |       |      |      |             |       |          |       |  |  |  |
| Cobalt-60      | 8.91E+00  |             |      | 9.61E+00    | pCi/g |      | 108  | (75%-125%)  |       |          |       |  |  |  |
|                |           |             |      | +/-6.95E-01 |       |      |      |             |       |          |       |  |  |  |
| QC1201436624   | MB        |             |      |             |       |      |      |             |       |          |       |  |  |  |
| Cesium-137     |           |             | U    | 2.51E-02    | pCi/g |      |      |             |       | 11/01/07 | 08:49 |  |  |  |
|                |           |             |      | +/-2.13E-02 |       |      |      |             |       |          |       |  |  |  |
| Cobalt-60      |           |             | U    | 1.71E-03    | pCi/g |      |      |             |       |          |       |  |  |  |
|                |           |             |      | +/-1.93E-02 |       |      |      |             |       |          |       |  |  |  |

### Notes:

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier

## GEL LABORATORIES LLC

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### QC Summary

Workorder: 195257

Page 2 of 2

| Parmname | NOM   | Sample | Qual | QC | Units | RPD% | REC% | Range | Anlst | Date | Time |
|----------|---|--------|------|----|-------|------|------|-------|-------|------|------|
| Y        | QC Samples were not spiked with this compound   |        |      |    |       |      |      |       |       |      |      |
| ^        | RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not <b>Applicable</b> for Radiochemistry. |        |      |    |       |      |      |       |       |      |      |
| h        | Preparation or preservation holding time was exceeded   |        |      |    |       |      |      |       |       |      |      |

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of **4** or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the **acceptance** criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is **less than** 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met **all of the** requirements of the NELAC standard unless qualified on the QC Summary.

**List of current GEL Certifications as of 01 November 2007**

| <b>State</b>              | <b>Certification</b>       |
|---------------------------|----------------------------|
| Alaska                    | UST-062                    |
| Arizona                   | AZ0668                     |
| Arkansas                  | 88-0651                    |
| CLIA                      | 42D0904046                 |
| California                | 01151CA                    |
| Colorado                  | GenEngLabs                 |
| Connecticut               | PH-0169                    |
| Dept. of Navy             | NFESC 413                  |
| EPA                       | WG-15J                     |
| Florida/NELAP             | E87156                     |
| Georgia                   | E87156 (FL/NELAP)          |
| Hawaii                    | N/A                        |
| Idaho                     | N/A                        |
| Illinois                  | 200029                     |
| Indiana                   | C-SC-01                    |
| Kansas                    | E-10332                    |
| Kentucky                  | 90129                      |
| Louisiana                 | 03046                      |
| Maryland                  | 270                        |
| Massachusetts             | M-SC012                    |
| Michigan                  | 9903                       |
| Nevada                    | SC12                       |
| New Jersey                | SC002                      |
| New Mexico                | FL NELAP E87156            |
| New York                  | 11501                      |
| North Carolina            | 233                        |
| North Carolina Drinking W | 45709                      |
| North Dakota              | R-158                      |
| Oklahoma                  | 9904                       |
| Pennsylvania              | 68-00485                   |
| South Carolina            | 10120001/10585001/10120002 |
| Tennessee                 | 02934                      |
| Texas NELAP               | T104704235-07-TX           |
| U.S. Dept. of Agriculture | S-52597                    |
| US Army Corps of Engineer | N/A                        |
| Utah                      | 8037697376 GEL             |
| Vermont                   | VT87156                    |
| Virginia                  | 00151                      |
| Washington                | C1641                      |



a member of **The GEL Group INC**



PO Box 30712 Charleston, SC 29417  
2040 Savage Road Charleston, SC 29407  
P 843.556.8171 F 843.766.1178

[www.gel.com](http://www.gel.com)

January 21, 2008

Mr. Dustin G. Miller  
Enercon Services, Inc.  
4499 Old William Penn Highway  
Murrysville, Pennsylvania 15668

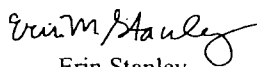
Re: Humboldt Bay NPP soils  
Work Order: 200159

Dear Mr. Miller:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on October 04, 2007 and October 08, 2007. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4504.

Sincerely,

  
Erin Stanley  
Project Manager

Chain of Custody: 008-07, 009-07, 010-07, 011-07, 012-07, 013-07, 016-07, 018-07, **021-07** and 030-07  
Enclosures



Laboratories LLC

## SAMPLE RECEIPT &amp; REVIEW FORM

|                                     |     |                                     |   |  |  |
|-------------------------------------|-----|-------------------------------------|---|--|--|
| Client: <u>Enercon</u>              |     |                                     | SDG/ARCOC/Work Order: <u>195022</u>   |  |  |
| Received By: <u>Ams</u>             |     |                                     | Date Received: <u>10-04-07</u>  |  |  |
| Suspected Hazard Information        | Yes | No                                  | *If Counts > x2 area background on samples not marked "radioactive", contact the Radiation Safety Group of further investigation. |  |  |
| COC/Samples marked as radioactive?  |     | <input checked="" type="checkbox"/> | Maximum Counts Observed*: <u>60 cpm</u>   |  |  |
| Classified Radioactive II by RSO?   |     | <input checked="" type="checkbox"/> |   |  |  |
| COC/Samples marked containing PCBs? |     | <input checked="" type="checkbox"/> |   |  |  |
| Shipped as a DOT Hazardous?         |     | <input checked="" type="checkbox"/> | Hazard Class Shipped: UN#:  |  |  |
| Samples identified as Foreign Soil? |     | <input checked="" type="checkbox"/> |   |  |  |

| Sample Receipt Criteria   | Yes                                 | NA                                  | No | Comments/Qualifiers (Required for Non-Conforming Items)  |
|---|-------------------------------------|-------------------------------------|----|--|
| 1 Shipping containers received intact and sealed?                 | <input checked="" type="checkbox"/> |                                     |    | Circle Applicable: seals broken<br>damaged container leaking container other (describe)            |
| 2 Samples requiring cold preservation within (4 +/- 2 C)?         | <input checked="" type="checkbox"/> |                                     |    | Preservation Method: ice bags<br>blue ice <u>24°</u> dry ice none other (describe) <u>pkg mat.</u> |
| 3 Chain of custody documents included with shipment?              | <input checked="" type="checkbox"/> |                                     |    |  |
| 4 Sample containers intact and sealed?                            | <input checked="" type="checkbox"/> |                                     |    | Circle Applicable: seals broken<br>damaged container leaking container other (describe)            |
| 5 Samples requiring chemical preservation at proper pH?           |                                     | <input checked="" type="checkbox"/> |    | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:                  |
| 6 VOA vials free of headspace (defined as < 6mm bubble)?          |                                     | <input checked="" type="checkbox"/> |    | Sample ID's and containers affected:   |
| 7 Are Encore containers present?                                  |                                     |                                     |    | (If yes, immediately deliver to Volatiles laboratory)  |
| 8 Samples received within holding time?                           | <input checked="" type="checkbox"/> |                                     |    | Id's and tests affected:   |
| 9 Sample ID's on COC match ID's on bottles?                       | <input checked="" type="checkbox"/> |                                     |    | Sample ID's and containers affected:   |
| 10 Date & time on COC match date & time on bottles?               | <input checked="" type="checkbox"/> |                                     |    | Sample ID's affected:  |
| 11 Number of containers received match number indicated on COC?   | <input checked="" type="checkbox"/> |                                     |    | Sample ID's affected:  |
| 12 COC form is properly signed in relinquished/received sections? | <input checked="" type="checkbox"/> |                                     |    |  |

Comments:

UPS: 12F10F7403 9189 3668

PM (or PMA) review: Initials

Ems

Date

10/4/07





Laboratories LLC

## SAMPLE RECEIPT &amp; REVIEW FORM

|                                     |  |                                     |                                     |
|-------------------------------------|--|-------------------------------------|-------------------------------------|
| Client: <u>Enercon</u>              |  | SDG/ARCOC/Work Order: <u>195022</u> |                                     |
| Received By: <u>Junnette</u>        |  | Date Received: <u>10-4-07</u>       |                                     |
| Suspected Hazard Information        |  | Yes                                 | No                                  |
| COC/Samples marked as radioactive?  |  |                                     | <input checked="" type="checkbox"/> |
| Classified Radioactive II by RSO?   |  |                                     | <input checked="" type="checkbox"/> |
| COC/Samples marked containing PCBs? |  |                                     | <input checked="" type="checkbox"/> |
| Shipped as a DOT Hazardous?         |  |                                     | <input checked="" type="checkbox"/> |
| Samples identified as Foreign Soil? |  |                                     | <input checked="" type="checkbox"/> |

\*If Counts > x2 area background on samples not marked "radioactive", contact the Radiation Safety Group of further investigation.

Maximum Counts Observed\*: 80 cpm

Hazard Class Shipped: \_\_\_\_\_ UN#: \_\_\_\_\_

| Sample Receipt Criteria   | Yes                                 | NA                                  | No                                  | Comments/Qualifiers (Required for Non-Conforming Items)                                       |
|---|-------------------------------------|-------------------------------------|-------------------------------------|---|
| 1 Shipping containers received intact and sealed?                 | <input checked="" type="checkbox"/> |                                     |                                     | Circle Applicable: _____ seals broken<br>damaged container leaking container other (describe) |
| 2 Samples requiring cold preservation within (4 +/- 2 C)?         |                                     | <input checked="" type="checkbox"/> |                                     | Preservation Method: _____ ice bags<br>blue ice dry ice none other (describe)<br><u>23°</u>   |
| 3 Chain of custody documents included with shipment?              | <input checked="" type="checkbox"/> |                                     |                                     |   |
| 4 Sample containers intact and sealed?                            | <input checked="" type="checkbox"/> |                                     |                                     | Circle Applicable: _____ seals broken<br>damaged container leaking container other (describe) |
| 5 Samples requiring chemical preservation at proper pH?           |                                     | <input checked="" type="checkbox"/> |                                     | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:             |
| 6 VOA vials free of headspace (defined as < 6mm bubble)?          |                                     | <input checked="" type="checkbox"/> |                                     | Sample ID's and containers affected:  |
| 7 Are Encore containers present?                                  |                                     |                                     | <input checked="" type="checkbox"/> | (If yes, immediately deliver to Volatiles laboratory)   |
| 8 Samples received within holding time?                           | <input checked="" type="checkbox"/> |                                     |                                     | Id's and tests affected:  |
| 9 Sample ID's on COC match ID's on bottles?                       | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's and containers affected:  |
| 10 Date & time on COC match date & time on bottles?               | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's affected:   |
| 11 Number of containers received match number indicated on COC?   | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's affected:   |
| 12 COC form is properly signed in relinquished/received sections? | <input checked="" type="checkbox"/> |                                     |                                     |   |

Comments: UPS 12 F10 F74 03 93719098  
12 F10 F74 03 93747274  
" 9175 6253  
" 9468 1088

PM (or PMA) review: Initials

ENW

Date

10/4/07

| Page: <u>1</u> of <u>1</u><br>Project #: <u>PG&amp;E - 48025</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> : <u>030-07</u><br>PO Number:   |   | <b>GEL Chain of Custody and Analytical Request</b>  |                               |   |                                     | General Engineering Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178  |                |
|---|---|---|-------------------------------|---|-------------------------------------|--|----------------|
| Client Name: <u>Enercon Services Inc.</u> Phone #: <u>(724) 733-8711</u>  |   | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test)     |                               |   |                                     |  |                |
| Project/Site Name: <u>Humboldt Bay NPP</u> Fax #: <u>(724) 733-4630</u>   |   | Should this sample be considered:   |                               | Total number of containers  |                                     | --- Preservative Type (6)  |                |
| Address: <u>1000 King Salmon Avenue, Eureka, CA 95503</u>   |   | Collected by: <u>William DeGuerre &amp; Joyce Thomas</u> Send Results To: <u>Corey DeWitt</u> |                               | Comments<br>Note: extra sample is required for sample specific QC               |                                     |  |                |
|   |   |   |                               |   |                                     |  |                |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small>  | Date Collected<br><small>(mm-dd-yy)</small> | Time Collected<br><small>(Military) (hhmm)</small>  | QC Code<br><small>(2)</small> | Field Filtered<br><small>(3)</small>  | Sample Matrix<br><small>(4)</small> | Radioactive  | TSCA Regulated |
| AREA - 00553-6  | 091807                                      | 0930  | N                             | N/A   | SO                                  |  |                |
| 00553-8   | 091807                                      | 1000  | N                             | N/A   | SO                                  |  |                |
| 00553-10  | 091807                                      | 1020  | N                             | N/A   | SO                                  |  |                |
| 00553-11  | 091807                                      | 1040  | N                             | N/A   | SO                                  |  |                |
| 00553-12  | 091807                                      | 1100  | N                             | N/A   | SO                                  |  |                |
| 00553-13  | 091807                                      | 1120  | N                             | N/A   | SO                                  |  |                |
| 00553-14  | 091807                                      | 1140  | N                             | N/A   | SO                                  |  |                |
| 00553-05  | 091807                                      | 1600  | N                             | N/A   | SO                                  |  |                |
| N   | N   | N   | N                             | N   | N                                   | N  |                |
| A   | A   | A   | A                             | A   | A                                   | A  |                |
| TAT Requested: Normal: Rush: Specify: (Subject to Surcharge)  |   | Fax Results: Yes / No   |                               | Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4 |                                     |  |                |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards  |   |   |                               |   |                                     | Sample Collection Time Zone<br>Eastern <input type="radio"/> Pacific <input checked="" type="radio"/><br>Central <input type="radio"/> Other <input type="radio"/><br>Mountain <input type="radio"/> |                |
| Chain of Custody Signatures   |   |   |                               | Sample Shipping and Delivery Details  |                                     |  |                |
| Relinquished By (Signed)  | Date  | Time  | Received by (signed)          | Date  | Time                                | GEL PM:  |                |
| 1 <u>Joyce Thomas</u>   | 091807                                      | 1600  | 1 <u>Joyce Thomas</u>         | 091807  | 1600                                | Method of Shipment: <u>UPS</u> Date Shipped: <u>09-28-07</u>   |                |
| 2 <u>Joyce Thomas</u>   | 092807                                      | 1400  | 2 <u>Joyce Thomas</u>         | 092807  | 1400                                | Airbill #: <u>12 F10 F74 03 9004 5308</u>  |                |
| 3   |   |   | 3                             |   |                                     | Airbill #:   |                |
| 1.) Chain of Custody Number = Client Determined<br>2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite<br>3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.<br>4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal<br>5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).<br>6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank |   |   |                               |   |                                     | For Lab Receiving Use Only<br>Custody Seal Intact?<br>YES <input type="checkbox"/> NO <input type="checkbox"/><br>Cooler Temp:<br>C  |                |
| WHITE = LABORATORY  |   | YELLOW = FILE   |                               | PINK = CLIENT   |                                     |  |                |

|   |  |   |
|---|--|---|
| Page: _____ of _____<br>Project #: <u>PG#E-HB085</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> : <u>021-07</u><br>PO Number: | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | General Engineering Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number: <span style="float: right;">196757</span>  |  |   |

| Client Name: <u>Enercon Services Inc.</u>  |                               | Phone #: <u>1(724)733-8711</u>          |                           | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                                 |                            |            |   |   |  |  |  |  |  |  |  |  |  |  |
|--|-------------------------------|---|---------------------------|---|---------------------------------|----------------------------|------------|---|---|--|--|--|--|--|--|--|--|--|--|
| Project/Site Name: <u>Humboldt Bay NPP</u>                                       |                               | Fax #: <u>1(724)733-4630</u>            |                           | Should this sample be considered:   | Total number of containers      | <-- Preservative Type (6)  |            |   |   |  |  |  |  |  |  |  |  |  |  |
| Address: <u>1000 King Salmon Avenue Eureka, CA 95503</u>                         |                               |   |                           |   |                                 |                            |            |   |   |  |  |  |  |  |  |  |  |  |  |
| Collected by: <u>William DeGuerre</u><br><u>JOYCE Thomas</u>                     |                               | Send Results To: <u>COREY DeWitt</u>    |                           | Radioactive   | TSCA Regulated                  | Total number of containers | GAMMA Spec | Comments<br>Note: extra sample is required for sample specific QC |   |  |  |  |  |  |  |  |  |  |  |
|  |                               |   |                           |   |                                 |                            |            |   |   |  |  |  |  |  |  |  |  |  |  |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(Military)<br>(hhmm) | QC Code<br><sup>(1)</sup> | Field Filtered<br><sup>(3)</sup>  | Sample Matrix<br><sup>(4)</sup> |                            |            |   |   |  |  |  |  |  |  |  |  |  |  |
| AREA - 005SS3-7  | 09-07-07                      | 1100                                    | N                         | N/A   | SO                              |                            |            | 1   | X |  |  |  |  |  |  |  |  |  |  |
| 005SS3-9   | 09-07-07                      | 1120                                    | N                         |   | SO                              |                            |            | 1   | X |  |  |  |  |  |  |  |  |  |  |
| 005SS3-4   | 09-07-07                      | 1140                                    | N                         |   | SO                              |                            |            | 1   | X |  |  |  |  |  |  |  |  |  |  |
| 005SS3-2   | 09-07-07                      | 1200                                    | N                         |   | SO                              |                            |            | 1   | X |  |  |  |  |  |  |  |  |  |  |
| 005SS3-1   | 09-07-07                      | 1240                                    | N                         |   | SO                              |                            |            | 1   | X |  |  |  |  |  |  |  |  |  |  |
| 005SS3-3   | 09-07-07                      | 1300                                    | N                         | ✓   | SO                              |                            |            | 1   | X |  |  |  |  |  |  |  |  |  |  |
| N  | N                             | N                                       | N                         | N   | N                               |                            |            |   |   |  |  |  |  |  |  |  |  |  |  |
| A  | A                             | A                                       | A                         | A   | A                               |                            |            |   |   |  |  |  |  |  |  |  |  |  |  |

|  |                       |   |
|--|-----------------------|---|
| TAT Requested: Normal: _____ Rush: _____ Specify: _____ (Subject to Surcharge)                   | Fax Results: Yes / No | Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4                               |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards |                       | Sample Collection Time Zone<br>Eastern _____ Pacific <u>  </u><br>Central _____ Other _____<br>Mountain _____ |

| Chain of Custody Signatures |               |             |   | Sample Shipping and Delivery Details |                             |
|-----------------------------|---------------|-------------|---|--------------------------------------|-----------------------------|
| Relinquished By (Signed)    | Date          | Time        | Received by (signed)                      | Date                                 | Time                        |
| <u>Joyce Thomas</u>         | <u>090707</u> | <u>1300</u> | <u>Joyce Thomas</u>                       | <u>090707</u>                        | <u>1300</u>                 |
| <u>Joyce Thomas</u>         | <u>092807</u> | <u>1400</u> | <u>Joyce Thomas</u>                       | <u>091807</u>                        | <u>915</u>                  |
|                             |               |             | GEL PM:                                   |                                      |                             |
|                             |               |             | Method of Shipment: <u>UPS</u>            |                                      | Date Shipped: <u>092807</u> |
|                             |               |             | Airbill #: <u>1Z F10 F74 03 9004 5308</u> |                                      |                             |
|                             |               |             | Airbill #:                                |                                      |                             |

- 1.) Chain of Custody Number = Client Determined
- 2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite
- 3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.
- 4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Faecal, N=Nasal
- 5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).
- 6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate, If no preservative is added = leave field blank

|                            |    |
|----------------------------|----|
| For Lab Receiving Use Only |    |
| Custody Seal Intact?       |    |
| YES                        | NO |
| Cooler Temp:               |    |
| C                          |    |

WHITE = LABORATORY

YELLOW = FILE

PINK = CLIENT



Laboratories LLC

## SAMPLE RECEIPT &amp; REVIEW FORM

|                                     |     |                                     |   |  |  |
|-------------------------------------|-----|-------------------------------------|---|--|--|
| Client: <u>Enercon</u>              |     |                                     | SDG/ARCOC/Work Order: <u>195257</u>   |  |  |
| Received By: <u>JP</u>              |     |                                     | Date Received: <u>10/18/07</u>  |  |  |
| Suspected Hazard Information        | Yes | No                                  | *If Counts > x2 area background on samples not marked "radioactive", contact the Radiation Safety Group of further investigation. |  |  |
| COC/Samples marked as radioactive?  |     | <input checked="" type="checkbox"/> | Maximum Counts Observed*: <u>40cpm</u>  |  |  |
| Classified Radioactive II by RSO?   |     | <input checked="" type="checkbox"/> |   |  |  |
| COC/Samples marked containing PCBs? |     | <input checked="" type="checkbox"/> |   |  |  |
| Shipped as a DOT Hazardous?         |     | <input checked="" type="checkbox"/> | Hazard Class Shipped: <u>UN#:</u>   |  |  |
| Samples identified as Foreign Soil? |     | <input checked="" type="checkbox"/> |   |  |  |

| Sample Receipt Criteria |  | Yes                                 | NA                                  | No                                  | Comments/Qualifiers (Required for Non-Conforming Items)  |
|-------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 1                       | Shipping containers received intact and sealed?                | <input checked="" type="checkbox"/> |                                     |                                     | Circle Applicable:<br>damaged container <u>leaking</u> container    other (describe)    seals broken           |
| 2                       | Samples requiring cold preservation within (4 +/- 2 C)?        |                                     | <input checked="" type="checkbox"/> |                                     | Preservation Method:<br>blue ice    dry ice <u>none</u> other (describe)    ice bags<br><u>198p</u> <u>19°</u> |
| 3                       | Chain of custody documents included with shipment?             | <input checked="" type="checkbox"/> |                                     |                                     |  |
| 4                       | Sample containers intact and sealed?                           | <input checked="" type="checkbox"/> |                                     |                                     | Circle Applicable:<br>damaged container <u>leaking</u> container    other (describe)    seals broken           |
| 5                       | Samples requiring chemical preservation at proper pH?          |                                     | <input checked="" type="checkbox"/> |                                     | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:                              |
| 6                       | VOA vials free of headspace (defined as < 6mm bubble)?         |                                     | <input checked="" type="checkbox"/> |                                     | Sample ID's and containers affected:   |
| 7                       | Are Encore containers present?                                 |                                     |                                     | <input checked="" type="checkbox"/> | (If yes, immediately deliver to Volatiles laboratory)  |
| 8                       | Samples received within holding time?                          | <input checked="" type="checkbox"/> |                                     |                                     | ID's and tests affected:   |
| 9                       | Sample ID's on COC match ID's on bottles?                      | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's and containers affected:   |
| 10                      | Date & time on COC match date & time on bottles?               | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's affected:  |
| 11                      | Number of containers received match number indicated on COC?   | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's affected:  |
| 12                      | COC form is properly signed in relinquished/received sections? | <input checked="" type="checkbox"/> |                                     |                                     |  |

Comments:

UPS 1ZF10F740390045305

PM (or PMA) review: Initials

qms

Date

10/18/07

## **GEL LABORATORIES LLC**

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - [www.gel.com](http://www.gel.com)

### **Certificate of Analysis Report for for**

ENRC002 Enercon Services, Inc.

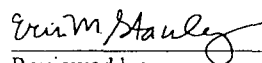
Client SDG: 200159 GEL Work Order: 200159

### **Sample(s) Contained within this report:**

| Lab Sample ID | Client Sample ID | Sample Description | Collected        |
|---------------|------------------|--------------------|------------------|
| 200159001     | 002SS2-24        | N/A                | 08/17/2007 10:30 |
| 200159002     | 002SS2-10        | N/A                | 08/22/2007 10:00 |
| 200159003     | 002SS2-7         | N/A                | 08/21/2007 15:45 |
| 200159004     | 002SS2-13        | N/A                | 08/17/2007 09:15 |
| 200159005     | 001SS2-4         | N/A                | 08/10/2007 15:30 |
| 200159006     | 001SS2-14        | N/A                | 08/14/2007 13:35 |
| 200159007     | 001SS2-16        | N/A                | 08/15/2007 09:00 |
| 200159008     | 001SS2-1         | N/A                | 08/10/2007 14:30 |
| 200159009     | 004SS2-16        | N/A                | 09/04/2007 13:50 |
| 200159010     | 004SS2-8         | N/A                | 09/04/2007 11:20 |
| 200159011     | 004SS2-4         | N/A                | 09/04/2007 09:30 |
| 200159012     | 004SS2-14        | N/A                | 08/30/2007 15:00 |
| 200159013     | 005SS3-6         | N/A                | 09/18/2007 09:30 |
| 200159014     | 005SS3-8         | N/A                | 09/18/2007 10:00 |
| 200159015     | 005SS3-10        | N/A                | 09/18/2007 10:20 |
| 200159016     | 005SS3-11        | N/A                | 09/18/2007 10:40 |
| 200159017     | 005SS3-12        | N/A                | 09/18/2007 11:00 |
| 200159018     | 005SS3-13        | N/A                | 09/18/2007 11:20 |
| 200159019     | 005SS3-14        | N/A                | 09/18/2007 11:40 |
| 200159020     | 005SS3-05        | N/A                | 09/18/2007 16:00 |
| 200159021     | 005SS3-7         | N/A                | 09/07/2007 11:00 |
| 200159022     | 005SS3-9         | N/A                | 09/07/2007 11:20 |
| 200159023     | 005SS3-4         | N/A                | 09/07/2007 11:40 |
| 200159024     | 005SS3-2         | N/A                | 09/07/2007 12:00 |
| 200159025     | 005SS3-1         | N/A                | 09/07/2007 12:40 |
| 200159026     | 005SS3-3         | N/A                | 09/07/2007 13:00 |

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, **Erin** Stanley.

  
Reviewed by \_\_\_\_\_

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - [www.gel.com](http://www.gel.com)

## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 200159013  
Client Sample ID: 005SS3-6  
Matrix: Soil  
Geometry Received:

Client: Enercon Services, Inc.  
Collect Date: September 18, 2007  
Receive Date: October 08, 2007  
Report Date: January 21, 2008

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Sr-90      | 01/10/08 | U         | -4.93E-02             | 1.67E-01               | 2.97E-01         | 2.00E+00 | pCi/g |
| Alpha Spec |          |           |                       |                        |                  |          |       |
| Pu-238     | 01/11/08 | U         | 4.21E-02              | 7.89E-02               | 1.53E-01         | 1.00E+00 | pCi/g |
| Pu-239/240 | 01/11/08 | U         | 5.52E-02              | 7.65E-02               | 8.28E-02         | 1.00E+00 | pCi/g |
| Am-241     | 01/10/08 | U         | 5.61E-03              | 7.32E-02               | 2.11E-01         | 1.00E+00 | pCi/g |
| Cm-242     | 01/10/08 | U         | 1.04E-01              | 1.44E-01               | 1.56E-01         | 1.00E+00 | pCi/g |
| Cm-243/244 | 01/10/08 | U         | 1.29E-03              | 7.03E-02               | 2.13E-01         | 1.00E+00 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

# GEL LABORATORIES LLC

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 200159014  
Client Sample ID: 005SS3-8  
Matrix: Soil  
Geometry Received:

Client: Enercon Services, Inc.  
Collect Date: September 18, 2007  
Receive Date: October 08, 2007  
Report Date: January 21, 2008

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Sr-90      | 01/16/08 | U         | -5.29E-01             | 2.76E-01               | 6.36E-01         | 2.00E+00 | pCi/g |
| Alpha Spec |          |           |                       |                        |                  |          |       |
| Pu-238     | 01/09/08 | U         | -3.40E-02             | 9.85E-02               | 2.87E-01         | 1.00E+00 | pCi/g |
| Pu-239/240 | 01/09/08 | U         | 2.30E-02              | 6.10E-02               | 1.45E-01         | 1.00E+00 | pCi/g |
| Am-241     | 01/10/08 | U         | -4.89E-02             | 6.35E-02               | 1.83E-01         | 1.00E+00 | pCi/g |
| Cm-242     | 01/10/08 | U         | 4.87E-02              | 9.54E-02               | 1.46E-01         | 1.00E+00 | pCi/g |
| Cm-243/244 | 01/10/08 | U         | -4.35E-02             | 6.88E-02               | 2.24E-01         | 1.00E+00 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.



# GEL LABORATORIES LLC

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 200159015

Client: Enercon Services, Inc.

Client Sample ID: 005SS3-10

Collect Date: September 18, 2007

Matrix: Soil

Receive Date: October 08, 2007

Geometry Received:

Report Date: January 21, 2008

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Sr-90      | 01/10/08 | U         | 1.38E-01              | 1.59E-01               | 2.67E-01         | 2.00E+00 | pCi/g |
| Alpha Spec |          |           |                       |                        |                  |          |       |
| Pu-238     | 01/09/08 | U         | -1.35E-02             | 6.99E-02               | 2.28E-01         | 1.00E+00 | pCi/g |
| Pu-239/240 | 01/09/08 | U         | 3.93E-02              | 8.87E-02               | 1.87E-01         | 1.00E+00 | pCi/g |
| Am-241     | 01/10/08 | U         | -3.62E-02             | 6.61E-02               | 1.57E-01         | 1.00E+00 | pCi/g |
| Cm-242     | 01/10/08 | U         | -1.28E-02             | 1.08E-01               | 2.56E-01         | 1.00E+00 | pCi/g |
| Cm-243/244 | 01/10/08 | U         | 2.52E-02              | 6.68E-02               | 1.59E-01         | 1.00E+00 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

# GEL LABORATORIES LLC

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 200159016  
Client Sample ID: 005SS3-11  
Matrix: Soil  
Geometry Received:

Client: Enercon Services, Inc.  
Collect Date: September 18, 2007  
Receive Date: October 08, 2007  
Report Date: January 21, 2008

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Sr-90      | 01/10/08 | U         | 1.39E-01              | 1.67E-01               | 2.81E-01         | 2.00E+00 | pCi/g |
| Alpha Spec |          |           |                       |                        |                  |          |       |
| Pu-238     | 01/09/08 | U         | -5.06E-02             | 7.72E-02               | 2.76E-01         | 1.00E+00 | pCi/g |
| Pu-239/240 | 01/09/08 | U         | 2.46E-02              | 9.12E-02               | 2.16E-01         | 1.00E+00 | pCi/g |
| Am-241     | 01/10/08 | U         | 3.93E-02              | 7.11E-02               | 1.01E-01         | 1.00E+00 | pCi/g |
| Cm-242     | 01/10/08 | U         | 1.09E-01              | 1.51E-01               | 1.64E-01         | 1.00E+00 | pCi/g |
| Cm-243/244 | 01/10/08 | U         | -4.07E-02             | 3.56E-02               | 2.38E-01         | 1.00E+00 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 200159017  
Client Sample ID: 005SS3-12  
Matrix: Soil  
Geometry Received:

Client: Enercon Services, Inc.  
Collect Date: September 18, 2007  
Receive Date: October 08, 2007  
Report Date: January 21, 2008

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Sr-90      | 01/11/08 | U         | -1.74E-01             | 5.48E-01               | 1.05E+00         | 2.00E+00 | pCi/g |
| Alpha Spec |          |           |                       |                        |                  |          |       |
| Pu-238     | 01/09/08 | U         | -3.76E-03             | 1.19E-01               | 2.96E-01         | 1.00E+00 | pCi/g |
| Pu-239/240 | 01/09/08 | U         | -7.49E-02             | 4.64E-02               | 2.71E-01         | 1.00E+00 | pCi/g |
| Am-241     | 01/10/08 | U         | -2.86E-02             | 6.25E-02               | 9.57E-02         | 1.00E+00 | pCi/g |
| Cm-242     | 01/10/08 | U         | 5.19E-02              | 1.02E-01               | 1.56E-01         | 1.00E+00 | pCi/g |
| Cm-243/244 | 01/10/08 | U         | 0.00E+00              | 6.32E-02               | 9.68E-02         | 1.00E+00 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 200159018  
Client Sample ID: 005SS3-13  
Matrix: Soil  
Geometry Received:

Client: Enercon Services, Inc.  
Collect Date: September 18, 2007  
Receive Date: October 08, 2007  
Report Date: January 21, 2008

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Sr-90      | 01/11/08 | U         | -1.36E-02             | 3.93E-01               | 7.62E-01         | 2.00E+00 | pCi/g |
| Alpha Spec |          |           |                       |                        |                  |          |       |
| Pu-238     | 01/09/08 | U         | -1.36E-01             | 1.08E-01               | 4.12E-01         | 1.00E+00 | pCi/g |
| Pu-239/240 | 01/09/08 | U         | 1.35E-01              | 1.72E-01               | 2.81E-01         | 1.00E+00 | pCi/g |
| Am-241     | 01/10/08 | U         | -3.65E-03             | 2.66E-02               | 1.52E-01         | 1.00E+00 | pCi/g |
| Cm-242     | 01/10/08 | U         | 3.93E-02              | 1.04E-01               | 2.48E-01         | 1.00E+00 | pCi/g |
| Cm-243/244 | 01/10/08 | U         | -7.70E-03             | 6.47E-02               | 1.54E-01         | 1.00E+00 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

# GEL LABORATORIES LLC

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 200159019

Client: Enercon Services, Inc.

Client Sample ID: 005SS3-14

Collect Date: September 18, 2007

Matrix: Soil

Receive Date: October 08, 2007

Geometry Received:

Report Date: January 21, 2008

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Sr-90      | 01/11/08 | U         | -1.04E-01             | 4.40E-01               | 8.62E-01         | 2.00E+00 | pCi/g |
| Alpha Spec |          |           |                       |                        |                  |          |       |
| Pu-238     | 01/09/08 | U         | 2.67E-02              | 1.17E-01               | 2.67E-01         | 1.00E+00 | pCi/g |
| Pu-239/240 | 01/09/08 | U         | -3.05E-02             | 6.90E-02               | 2.09E-01         | 1.00E+00 | pCi/g |
| Am-241     | 01/10/08 | U         | -1.23E-02             | 2.29E-02               | 1.59E-01         | 1.00E+00 | pCi/g |
| Cm-242     | 01/10/08 | U         | -1.12E-02             | 9.41E-02               | 2.24E-01         | 1.00E+00 | pCi/g |
| Cm-243/244 | 01/10/08 | U         | 2.90E-02              | 5.68E-02               | 8.70E-02         | 1.00E+00 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - [www.gel.com](http://www.gel.com)

## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 200159020  
Client Sample ID: 005SS3-05  
Matrix: Soil  
Geometry Received:

Client: Enercon Services, Inc.  
Collect Date: September 18, 2007  
Receive Date: October 08, 2007  
Report Date: January 21, 2008

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Sr-90      | 01/11/08 | U         | -4.01E-01             | 4.53E-01               | 9.28E-01         | 2.00E+00 | pCi/g |
| Alpha Spec |          |           |                       |                        |                  |          |       |
| Pu-238     | 01/09/08 | U         | -1.39E-02             | 1.10E-01               | 3.02E-01         | 1.00E+00 | pCi/g |
| Pu-239/240 | 01/09/08 | U         | -2.36E-02             | 8.07E-02               | 2.69E-01         | 1.00E+00 | pCi/g |
| Am-241     | 01/10/08 | U         | -3.45E-03             | 2.81E-02               | 1.57E-01         | 1.00E+00 | pCi/g |
| Cm-242     | 01/10/08 | U         | 5.33E-02              | 1.04E-01               | 1.60E-01         | 1.00E+00 | pCi/g |
| Cm-243/244 | 01/10/08 | U         | 0.00E+00              | 6.48E-02               | 9.92E-02         | 1.00E+00 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

# GEL LABORATORIES LLC

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 200159021

Client: Enercon Services, Inc.

Client Sample ID: 005SS3-7

Collect Date: September 07, 2007

Matrix: Soil

Receive Date: October 08, 2007

Geometry Received:

Report Date: January 21, 2008

| Analyte             | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|---------------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Sr-90<br>Alpha Spec | 01/11/08 | U         | -5.30E-02             | 3.02E-01               | 6.19E-01         | 2.00E+00 | pCi/g |
| Pu-238              | 01/10/08 | U         | -3.34E-02             | 8.45E-02               | 2.10E-01         | 1.00E+00 | pCi/g |
| Pu-239/240          | 01/10/08 | U         | 5.65E-02              | 6.54E-02               | 9.49E-02         | 1.00E+00 | pCi/g |
| Am-241              | 01/11/08 | U         | -2.75E-02             | 6.11E-02               | 9.35E-02         | 1.00E+00 | pCi/g |
| Cm-242              | 01/11/08 | U         | 5.33E-02              | 1.05E-01               | 1.60E-01         | 1.00E+00 | pCi/g |
| Cm-243/244          | 01/11/08 | U         | -3.79E-02             | 3.32E-02               | 2.21E-01         | 1.00E+00 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

# GEL LABORATORIES LLC

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 200159022  
Client Sample ID: 005SS3-9  
Matrix: Soil  
Geometry Received:

Client: Enercon Services, Inc.  
Collect Date: September 07, 2007  
Receive Date: October 08, 2007  
Report Date: January 21, 2008

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Sr-90      | 01/11/08 | U         | 7.15E-02              | 3.97E-01               | 7.57E-01         | 2.00E+00 | pCi/g |
| Alpha Spec |          |           |                       |                        |                  |          |       |
| Pu-238     | 01/10/08 | U         | 3.93E-02              | 8.88E-02               | 2.15E-01         | 1.00E+00 | pCi/g |
| Pu-239/240 | 01/10/08 | U         | 5.30E-02              | 7.16E-02               | 1.21E-01         | 1.00E+00 | pCi/g |
| Am-241     | 01/11/08 | U         | 4.24E-02              | 6.52E-02               | 1.74E-01         | 1.00E+00 | pCi/g |
| Cm-242     | 01/11/08 | U         | 5.39E-02              | 1.06E-01               | 1.62E-01         | 1.00E+00 | pCi/g |
| Cm-243/244 | 01/11/08 | U         | 8.80E-02              | 1.09E-01               | 1.53E-01         | 1.00E+00 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.



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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 200159023

Client: Enercon Services, Inc.

Client Sample ID: 005SS3-4

Collect Date: September 07, 2007

Matrix: Soil

Receive Date: October 08, 2007

Geometry Received:

Report Date: January 21, 2008

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Sr-90      | 01/11/08 | U         | 1.80E-02              | 3.75E-01               | 7.22E-01         | 2.00E+00 | pCi/g |
| Alpha Spec |          |           |                       |                        |                  |          |       |
| Pu-238     | 01/10/08 | U         | 2.30E-02              | 8.92E-02               | 1.83E-01         | 1.00E+00 | pCi/g |
| Pu-239/240 | 01/10/08 | U         | 3.12E-02              | 6.92E-02               | 1.38E-01         | 1.00E+00 | pCi/g |
| Am-241     | 01/11/08 | U         | -1.03E-02             | 3.26E-02               | 1.77E-01         | 1.00E+00 | pCi/g |
| Cm-242     | 01/11/08 | U         | 2.84E-02              | 1.13E-01               | 3.02E-01         | 1.00E+00 | pCi/g |
| Cm-243/244 | 01/11/08 | U         | 5.03E-02              | 1.16E-01               | 2.39E-01         | 1.00E+00 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 200159024

Client: Enercon Services, Inc.

Client Sample ID: 005SS3-2

Collect Date: September 07, 2007

Matrix: Soil

Receive Date: October 08, 2007

Geometry Received:

Report Date: January 21, 2008

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Sr-90      | 01/11/08 | U         | 2.97E-02              | 3.52E-01               | 6.78E-01         | 2.00E+00 | pCi/g |
| Alpha Spec |          |           |                       |                        |                  |          |       |
| Pu-238     | 01/10/08 | U         | 4.41E-02              | 8.15E-02               | 2.16E-01         | 1.00E+00 | pCi/g |
| Pu-239/240 | 01/10/08 | U         | 2.56E-02              | 6.55E-02               | 1.37E-01         | 1.00E+00 | pCi/g |
| Am-241     | 01/11/08 | U         | 5.79E-02              | 6.86E-02               | 2.08E-01         | 1.00E+00 | pCi/g |
| Cm-242     | 01/11/08 | U         | 4.11E-02              | 1.09E-01               | 2.59E-01         | 1.00E+00 | pCi/g |
| Cm-243/244 | 01/11/08 | U         | 1.28E-03              | 6.95E-02               | 2.11E-01         | 1.00E+00 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 200159025  
Client Sample ID: 005SS3-1  
Matrix: Soil  
Geometry Received:

Client: Enercon Services, Inc.  
Collect Date: September 07, 2007  
Receive Date: October 08, 2007  
Report Date: January 21, 2008

| Analyte    | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Sr-90      | 01/11/08 | U         | -2.55E-01             | 2.71E-01               | 6.16E-01         | 2.00E+00 | pCi/g |
| Alpha Spec |          |           |                       |                        |                  |          |       |
| Pu-238     | 01/10/08 | U         | -6.95E-02             | 7.14E-02               | 1.98E-01         | 1.00E+00 | pCi/g |
| Pu-239/240 | 01/10/08 | U         | 2.01E-02              | 6.14E-02               | 1.28E-01         | 1.00E+00 | pCi/g |
| Am-241     | 01/11/08 | U         | 4.27E-04              | 8.11E-02               | 2.37E-01         | 1.00E+00 | pCi/g |
| Cm-242     | 01/11/08 | U         | -1.39E-02             | 2.72E-02               | 2.77E-01         | 1.00E+00 | pCi/g |
| Cm-243/244 | 01/11/08 | U         | 1.37E-03              | 7.44E-02               | 2.25E-01         | 1.00E+00 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

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## 10 CFR Part 50/61 Certificate of Analysis

GEL Sample ID: 200159026  
Client Sample ID: 005SS3-3  
Matrix: Soil  
Geometry Received:

Client: Enercon Services, Inc.  
Collect Date: September 07, 2007  
Receive Date: October 08, 2007  
Report Date: January 21, 2008

| Analyte             | Run Date | Qualifier | Activity <sup>2</sup> | 2 Sigma<br>Uncertainty | MDA <sup>1</sup> | RL       | Units |
|---------------------|----------|-----------|-----------------------|------------------------|------------------|----------|-------|
| Sr-90<br>Alpha Spec | 01/11/08 | U         | -1.21E-01             | 3.56E-01               | 7.34E-01         | 2.00E+00 | pCi/g |
| Pu-238              | 01/10/08 | U         | 0.00E+00              | 2.99E-02               | 4.58E-02         | 1.00E+00 | pCi/g |
| Pu-239/240          | 01/10/08 | U         | 1.52E-02              | 2.98E-02               | 4.56E-02         | 1.00E+00 | pCi/g |
| Am-241              | 01/11/08 | U         | -4.92E-02             | 4.98E-02               | 2.56E-01         | 1.00E+00 | pCi/g |
| Cm-242              | 01/11/08 | U         | -2.71E-02             | 3.75E-02               | 3.13E-01         | 1.00E+00 | pCi/g |
| Cm-243/244          | 01/11/08 | U         | 1.07E-02              | 1.01E-01               | 2.59E-01         | 1.00E+00 | pCi/g |

Note(s): 1. Calculated MDAs are a-posteriori values at the 95% confidence level.

2. Activity is reported on a dry weight basis and is decay corrected to the sample collect date.

3. Results are statistically positive at the 95% confidence level. (activity is greater than or equal to the two sigma uncertainty)

U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

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## QC Summary

Report Date: January 21, 2008

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Enercon Services, Inc.  
4499 Old William Penn Highway  
Murrysville, Pennsylvania  
Mr. Dustin G. Miller

Contact:

Workorder: 200159

| Parname                    | NOM      | Sample      | Qual | QC          | Units | RPD% | REC% | Range      | Anlst    | Date     | Time  |
|----------------------------|----------|-------------|------|-------------|-------|------|------|------------|----------|----------|-------|
| Rad Alpha Spec             |          |             |      |             |       |      |      |            |          |          |       |
| Batch                      | 716036   |             |      |             |       |      |      |            |          |          |       |
| QC1201491618 200159008 DUP |          |             |      |             |       |      |      |            |          |          |       |
| Americium-241              |          | U -2.86E-02 | U    | -5.45E-03   | pCi/g | 136  |      |            | N/A MXA1 | 01/10/08 | 13:46 |
|                            |          | +/-7.13E-02 |      | +/-1.97E-02 |       |      |      |            |          |          |       |
| Curium-242                 |          | U 5.31E-02  | U    | 1.01E-01    | pCi/g | 62   |      |            | N/A      |          |       |
|                            |          | +/-1.41E-01 |      | +/-1.61E-01 |       |      |      |            |          |          |       |
| Curium-243/244             |          | U -8.86E-03 | U    | 3.02E-02    | pCi/g | 366  |      |            | N/A      |          |       |
|                            |          | +/-1.74E-02 |      | +/-5.91E-02 |       |      |      |            |          |          |       |
| QC1201491620 LCS           |          |             |      |             |       |      |      |            |          |          |       |
| Americium-241              | 1.31E+01 |             |      | 1.41E+01    | pCi/g |      | 108  | (75%-125%) |          | 01/10/08 | 13:46 |
|                            |          |             |      | +/-1.28E+00 |       |      |      |            |          |          |       |
| Curium-242                 |          |             | U    | 8.42E-02    | pCi/g |      |      |            |          |          |       |
|                            |          |             |      | +/-1.05E-01 |       |      |      |            |          |          |       |
| Curium-243/244             | 1.50E+01 |             |      | 1.68E+01    | pCi/g |      | 112  | (75%-125%) |          |          |       |
|                            |          |             |      | +/-1.40E+00 |       |      |      |            |          |          |       |
| QC1201491617 MB            |          |             |      |             |       |      |      |            |          |          |       |
| Americium-241              |          |             | U    | -2.71E-02   | pCi/g |      |      |            |          | 01/10/08 | 13:46 |
|                            |          |             |      | +/-5.70E-02 |       |      |      |            |          |          |       |
| Curium-242                 |          |             | U    | 0.00E+00    | pCi/g |      |      |            |          |          |       |
|                            |          |             |      | +/-5.77E-02 |       |      |      |            |          |          |       |
| Curium-243/244             |          |             | U    | -6.98E-03   | pCi/g |      |      |            |          |          |       |
|                            |          |             |      | +/-5.87E-02 |       |      |      |            |          |          |       |
| QC1201491619 200159008 MS  |          |             |      |             |       |      |      |            |          |          |       |
| Americium-241              | 1.35E+01 | U -2.86E-02 |      | 1.30E+01    | pCi/g |      | 96   | (75%-125%) |          | 01/10/08 | 13:46 |
|                            |          | +/-7.13E-02 |      | +/-1.19E+00 |       |      |      |            |          |          |       |
| Curium-242                 |          | U 5.31E-02  | U    | 5.41E-02    | pCi/g |      |      |            |          |          |       |
|                            |          | +/-1.41E-01 |      | +/-1.06E-01 |       |      |      |            |          |          |       |
| Curium-243/244             | 1.56E+01 | U -8.86E-03 |      | 1.46E+01    | pCi/g |      | 94   | (75%-125%) |          |          |       |
|                            |          | +/-1.74E-02 |      | +/-1.27E+00 |       |      |      |            |          |          |       |
| Batch                      | 716037   |             |      |             |       |      |      |            |          |          |       |
| QC1201491622 200159008 DUP |          |             |      |             |       |      |      |            |          |          |       |
| Plutonium-238              |          | U 2.51E-01  | U    | -1.54E-02   | pCi/g | 226  |      |            | N/A MXA1 | 01/09/08 | 14:57 |
|                            |          | +/-2.75E-01 |      | +/-7.97E-02 |       |      |      |            |          |          |       |
| Plutonium-239/240          |          | U 1.62E-01  | U    | -3.36E-02   | pCi/g | 305  |      |            | N/A      |          |       |
|                            |          | +/-2.12E-01 |      | +/-7.60E-02 |       |      |      |            |          |          |       |
| QC1201491624 LCS           |          |             |      |             |       |      |      |            |          |          |       |
| Plutonium-238              |          |             | U    | 5.59E-02    | pCi/g |      |      | (75%-125%) |          | 01/09/08 | 14:57 |
|                            |          |             |      | +/-1.10E-01 |       |      |      |            |          |          |       |
| Plutonium-239/240          | 1.28E+01 |             |      | 1.27E+01    | pCi/g |      | 99   | (75%-125%) |          |          |       |
|                            |          |             |      | +/-1.23E+00 |       |      |      |            |          |          |       |
| QC1201491621 MB            |          |             |      |             |       |      |      |            |          |          |       |
| Plutonium-238              |          |             | U    | -5.89E-02   | pCi/g |      |      |            |          | 01/09/08 | 14:57 |
|                            |          |             |      | +/-7.99E-02 |       |      |      |            |          |          |       |

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## QC Summary

Workorder: 200159

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| Parmname              | NOM       | Sample | Qual                     | QC                      | Units                    | RPD%  | REC% | Range      | Anlst | Date     | Time           |
|-----------------------|-----------|--------|--------------------------|-------------------------|--------------------------|-------|------|------------|-------|----------|----------------|
| <b>Rad Alpha Spec</b> |           |        |                          |                         |                          |       |      |            |       |          |                |
| Batch                 | 716037    |        |                          |                         |                          |       |      |            |       |          |                |
| Plutonium-239/240     |           |        | U                        | 1.75E-02<br>+/-9.41E-02 | pCi/g                    |       |      |            |       |          |                |
| QC1201491623          | 200159008 | MS     |                          |                         |                          |       |      |            |       |          |                |
| Plutonium-238         |           | U      | 2.51E-01<br>+/-2.75E-01  | U                       | -1.38E-02<br>+/-1.91E-02 | pCi/g |      | (75%-125%) | MXA1  | 01/09/08 | 14:57          |
| Plutonium-239/240     | 1.32E+01  | U      | 1.62E-01<br>+/-2.12E-01  |                         | 1.29E+01<br>+/-1.20E+00  | pCi/g | 98   | (75%-125%) |       |          |                |
| Batch                 | 716038    |        |                          |                         |                          |       |      |            |       |          |                |
| QC1201491626          | 200159021 | DUP    |                          |                         |                          |       |      |            |       |          |                |
| Americium-241         |           | U      | -2.75E-02<br>+/-6.11E-02 | U                       | -2.22E-03<br>+/-3.04E-02 | pCi/g | 170  |            | N/A   | TXP2     | 01/11/08 08:05 |
| Curium-242            |           | U      | 5.33E-02<br>+/-1.05E-01  | U                       | -2.66E-02<br>+/-3.69E-02 | pCi/g | 599  |            | N/A   |          |                |
| Curium-243/244        |           | U      | -3.79E-02<br>+/-3.32E-02 | U                       | -7.88E-03<br>+/-1.54E-02 | pCi/g | 131  |            | N/A   |          |                |
| QC1201491628          | LCS       |        |                          |                         |                          |       |      |            |       |          |                |
| Americium-241         | 1.28E+01  |        |                          |                         | 1.23E+01<br>+/-1.20E+00  | pCi/g | 96   | (75%-125%) |       | 01/11/08 | 08:05          |
| Curium-242            |           |        |                          | U                       | 0.00E+00<br>+/-6.07E-02  | pCi/g |      |            |       |          |                |
| Curium-243/244        | 1.47E+01  |        |                          |                         | 1.46E+01<br>+/-1.30E+00  | pCi/g | 99   | (75%-125%) |       |          |                |
| QC1201491625          | MB        |        |                          |                         |                          |       |      |            |       |          |                |
| Americium-241         |           |        |                          | U                       | 4.75E-02<br>+/-8.22E-02  | pCi/g |      |            |       | 01/11/08 | 08:05          |
| Curium-242            |           |        |                          | U                       | 2.87E-02<br>+/-7.60E-02  | pCi/g |      |            |       |          |                |
| Curium-243/244        |           |        |                          | U                       | -8.89E-03<br>+/-1.74E-02 | pCi/g |      |            |       |          |                |
| QC1201491627          | 200159021 | MS     |                          |                         |                          |       |      |            |       |          |                |
| Americium-241         | 1.30E+01  | U      | -2.75E-02<br>+/-6.11E-02 |                         | 1.23E+01<br>+/-1.11E+00  | pCi/g | 95   | (75%-125%) |       | 01/11/08 | 08:05          |
| Curium-242            |           | U      | 5.33E-02<br>+/-1.05E-01  | U                       | 0.00E+00<br>+/-8.71E-02  | pCi/g |      |            |       |          |                |
| Curium-243/244        | 1.50E+01  | U      | -3.79E-02<br>+/-3.32E-02 |                         | 1.23E+01<br>+/-1.11E+00  | pCi/g | 82   | (75%-125%) |       |          |                |
| Batch                 | 716039    |        |                          |                         |                          |       |      |            |       |          |                |
| QC1201491630          | 200159021 | DUP    |                          |                         |                          |       |      |            |       |          |                |
| Plutonium-238         |           | U      | -3.34E-02<br>+/-8.45E-02 | U                       | 5.40E-02<br>+/-6.25E-02  | pCi/g | 849  |            | N/A   | TXP2     | 01/10/08 20:16 |
| Plutonium-239/240     |           | U      | 5.65E-02<br>+/-6.54E-02  | U                       | 4.61E-02<br>+/-6.41E-02  | pCi/g | 20   |            | N/A   |          |                |
| QC1201491632          | LCS       |        |                          |                         |                          |       |      |            |       |          |                |
| Plutonium-238         |           |        |                          | U                       | 1.02E-01<br>+/-1.53E-01  | pCi/g |      | (75%-125%) |       | 01/14/08 | 08:02          |
| Plutonium-239/240     | 1.26E+01  |        |                          |                         | 1.24E+01                 | pCi/g | 98   | (75%-125%) |       |          |                |

# GEL LABORATORIES LLC

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## QC Summary

Workorder: 200159

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| Parmname          | NOM       | Sample   | Qual | QC          | Units | RPD%     | REC% | Range | Anlst          | Date     | Time                |
|-------------------|-----------|----------|------|-------------|-------|----------|------|-------|----------------|----------|---------------------|
| Rad Alpha Spec    |           |          |      |             |       |          |      |       |                |          |                     |
| Batch             | 716039    |          |      |             |       |          |      |       |                |          |                     |
|                   |           |          |      | +/-1.20E+00 |       |          |      |       |                |          |                     |
| QC1201491629      | MB        |          |      |             |       |          |      |       |                |          |                     |
| Plutonium-238     |           |          | U    | 7.10E-03    | pCi/g |          |      |       | TXP2           | 01/10/08 | 20:16               |
|                   |           |          |      | +/-3.15E-02 |       |          |      |       |                |          |                     |
| Plutonium-239/240 |           |          | U    | 4.29E-02    | pCi/g |          |      |       |                |          |                     |
|                   |           |          |      | +/-5.97E-02 |       |          |      |       |                |          |                     |
| QC1201491631      | 200159021 | MS       |      |             |       |          |      |       |                |          |                     |
| Plutonium-238     |           |          | U    | -3.34E-02   | U     | 8.63E-02 |      | pCi/g | (75%-125%)     |          | 01/10/08 20:16      |
|                   |           |          |      | +/-8.45E-02 |       |          |      |       |                |          |                     |
| Plutonium-239/240 |           | 1.27E+01 | U    | 5.65E-02    |       | 1.26E+01 |      | pCi/g | 99 (75%-125%)  |          |                     |
|                   |           |          |      | +/-6.54E-02 |       |          |      |       |                |          |                     |
|                   |           |          |      | +/-8.71E-01 |       |          |      |       |                |          |                     |
| Rad Gas Flow      |           |          |      |             |       |          |      |       |                |          |                     |
| Batch             | 715660    |          |      |             |       |          |      |       |                |          |                     |
| QC1201490809      | 200157007 | DUP      |      |             |       |          |      |       |                |          |                     |
| Strontium-90      |           |          | U    | 9.59E-03    | U     | 2.36E-01 |      | pCi/g | 0              | N/A      | SLN1 01/08/08 17:55 |
|                   |           |          |      | +/-4.06E-01 |       |          |      |       |                |          |                     |
| QC1201490811      | LCS       |          |      |             |       |          |      |       |                |          |                     |
| Strontium-90      |           | 3.05E+01 |      |             |       | 3.38E+01 |      | pCi/g | 111 (75%-125%) |          | 01/08/08 17:55      |
|                   |           |          |      | +/-2.09E+00 |       |          |      |       |                |          |                     |
| QC1201490808      | MB        |          |      |             |       |          |      |       |                |          |                     |
| Strontium-90      |           |          | U    | 4.99E-02    |       |          |      | pCi/g |                |          | 01/08/08 17:55      |
|                   |           |          |      | +/-3.99E-01 |       |          |      |       |                |          |                     |
| QC1201490810      | 200157007 | MS       |      |             |       |          |      |       |                |          |                     |
| Strontium-90      |           | 3.26E+01 | U    | 9.59E-03    |       | 3.23E+01 |      | pCi/g | 99 (75%-125%)  |          | 01/08/08 17:55      |
|                   |           |          |      | +/-4.06E-01 |       |          |      |       |                |          |                     |
| Batch             | 715671    |          |      |             |       |          |      |       |                |          |                     |
| QC1201490822      | 200159008 | DUP      |      |             |       |          |      |       |                |          |                     |
| Strontium-90      |           |          | U    | 3.15E-01    | U     | 3.39E-01 |      | pCi/g | 8              | N/A      | SLN1 01/11/08 12:23 |
|                   |           |          |      | +/-2.58E-01 |       |          |      |       |                |          |                     |
| QC1201490824      | LCS       |          |      |             |       |          |      |       |                |          |                     |
| Strontium-90      |           | 3.10E+01 |      |             |       | 2.90E+01 |      | pCi/g | 94 (75%-125%)  |          | 01/10/08 18:48      |
|                   |           |          |      | +/-2.06E+00 |       |          |      |       |                |          |                     |
| QC1201490821      | MB        |          |      |             |       |          |      |       |                |          |                     |
| Strontium-90      |           |          | U    | -4.48E-02   |       |          |      | pCi/g |                |          | 01/11/08 12:23      |
|                   |           |          |      | +/-3.40E-01 |       |          |      |       |                |          |                     |
| QC1201490823      | 200159008 | MS       |      |             |       |          |      |       |                |          |                     |
| Strontium-90      |           | 3.17E+01 | U    | 3.15E-01    |       | 3.02E+01 |      | pCi/g | 95 (75%-125%)  |          | 01/11/08 12:23      |
|                   |           |          |      | +/-2.58E-01 |       |          |      |       |                |          |                     |
|                   |           |          |      | +/-1.88E+00 |       |          |      |       |                |          |                     |

**Notes:**

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product

## GEL LABORATORIES LLC

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### QC Summary

Workorder: 200159

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| Parmname | NOM  | Sample | Qual | QC | Units | RPD% | REC% | Range | Anlst | Date | Time |
|----------|--|--------|------|----|-------|------|------|-------|-------|------|------|
| B        | For General Chemistry and Organic analysis the target analyte was detected in the associated blank.                            |        |      |    |       |      |      |       |       |      |      |
| BD       | Results are either below the MDC or tracer recovery is low   |        |      |    |       |      |      |       |       |      |      |
| C        | Analyte has been confirmed by GC/MS analysis   |        |      |    |       |      |      |       |       |      |      |
| D        | Results are reported from a diluted aliquot of the sample  |        |      |    |       |      |      |       |       |      |      |
| H        | Analytical holding time was exceeded   |        |      |    |       |      |      |       |       |      |      |
| J        | Value is estimated   |        |      |    |       |      |      |       |       |      |      |
| M        | M if above MDC and less than LLD   |        |      |    |       |      |      |       |       |      |      |
| N/A      | RPD or %Recovery limits do not apply.  |        |      |    |       |      |      |       |       |      |      |
| ND       | Analyte concentration is not detected above the detection limit  |        |      |    |       |      |      |       |       |      |      |
| NJ       | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier                                     |        |      |    |       |      |      |       |       |      |      |
| R        | Sample results are rejected  |        |      |    |       |      |      |       |       |      |      |
| U        | Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.   |        |      |    |       |      |      |       |       |      |      |
| UI       | Gamma Spectroscopy--Uncertain identification   |        |      |    |       |      |      |       |       |      |      |
| X        | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier                                     |        |      |    |       |      |      |       |       |      |      |
| Y        | QC Samples were not spiked with this compound  |        |      |    |       |      |      |       |       |      |      |
| ^        | RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry. |        |      |    |       |      |      |       |       |      |      |
| h        | Preparation or preservation holding time was exceeded  |        |      |    |       |      |      |       |       |      |      |

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.



**List of current GEL Certifications as of 21 January 2008**

| <b>State</b>              | <b>Certification</b>       |
|---------------------------|----------------------------|
| Alaska                    | UST-062                    |
| Arizona                   | AZ0668                     |
| Arkansas                  | 88-0651                    |
| CLIA                      | 42D0904046                 |
| California                | 01151CA                    |
| Colorado                  | GenEngLabs                 |
| Connecticut               | PH-0169                    |
| Dept. of Navy             | NFESC 413                  |
| EPA                       | WG-15J                     |
| Florida/NELAP             | E87156                     |
| Georgia                   | E87156 (FL/NELAP)          |
| Hawaii                    | N/A                        |
| Idaho                     | N/A                        |
| Illinois                  | 200029                     |
| Indiana                   | C-SC-01                    |
| Kansas                    | E-10332                    |
| Kentucky                  | 90129                      |
| Louisiana                 | 03046                      |
| Maryland                  | 270                        |
| Massachusetts             | M-SC012                    |
| Michigan                  | 9903                       |
| Nevada                    | SC12                       |
| New Jersey                | SC002                      |
| New Mexico                | FL NELAP E87156            |
| New York                  | 11501                      |
| North Carolina            | 233                        |
| North Carolina Drinking W | 45709                      |
| North Dakota              | R-158                      |
| Oklahoma                  | 9904                       |
| Pennsylvania              | 68-00485                   |
| South Carolina            | 10120001/10585001/10120002 |
| Tennessee                 | 02934                      |
| Texas NELAP               | T104704235-07-TX           |
| U.S. Dept. of Agriculture | S-52597                    |
| US Army Corps of Engineer | N/A                        |
| Utah                      | 8037697376 GEL             |
| Vermont                   | VT87156                    |
| Virginia                  | 00151                      |
| Washington                | C1641                      |



February 07, 2008

Mr. Dustin G. Miller  
Enercon Services, Inc.  
4499 Old William Penn Highway  
Murrysville, Pennsylvania 15668

Re: Humboldt Bay NPP soils  
Work Order: 201361

Dear Mr. Miller:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on October 04, 2007 and October 08, 2007. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable **you** to meet your analytical needs on time every time. We trust that you will find everything in order and to your **satisfaction**. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4504.

Sincerely,

Erin Stanley  
Project Manager

Chain of Custody: 008-07, 009-07, 010-07, 011-07, 012-07, 013-07, 016-07, 018-07, **021-07** and 030-07  
Enclosures



Laboratories LLC

## SAMPLE RECEIPT &amp; REVIEW FORM

|                                     |     |                                     |   |
|-------------------------------------|-----|-------------------------------------|---|
| Client: <u>Enercom</u>              |     | SDG/ARCOC/Work Order: <u>195022</u> |   |
| Received By: <u>Ams</u>             |     | Date Received: <u>10-04-07</u>      |   |
| Suspected Hazard Information        | Yes | No                                  | *If Counts > x2 area background on samples not marked "radioactive", contact the Radiation Safety Group of further investigation. |
| COC/Samples marked as radioactive?  |     | ✓                                   | Maximum Counts Observed*: <u>60 cpm</u>   |
| Classified Radioactive II by RSO?   |     | ✓                                   |   |
| COC/Samples marked containing PCBs? |     | ✓                                   |   |
| Shipped as a DOT Hazardous?         |     | ✓                                   | Hazard Class Shipped: UN#:  |
| Samples identified as Foreign Soil? |     | ✓                                   |   |

| Sample Receipt Criteria   | Yes | NA | No | Comments/Qualifiers (Required for Non-Conforming Items)  |
|---|-----|----|----|--|
| 1 Shipping containers received intact and sealed?                 | ✓   |    |    | Circle Applicable: damaged container leaking container other (describe) seals broken               |
| 2 Samples requiring cold preservation within (4 +/- 2 C)?         | ✓   |    |    | Preservation Method: blue ice dry ice none other (describe) ice bags<br><u>24°</u> <u>pkg mat.</u> |
| 3 Chain of custody documents included with shipment?              | ✓   |    |    |  |
| 4 Sample containers intact and sealed?                            | ✓   |    |    | Circle Applicable: damaged container leaking container other (describe) seals broken               |
| 5 Samples requiring chemical preservation at proper pH?           |     |    | ✓  | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:                  |
| 6 VOA vials free of headspace (defined as < 6mm bubble)?          |     |    | ✓  | Sample ID's and containers affected:   |
| 7 Are Encore containers present?                                  |     |    |    | (If yes, immediately deliver to Volatiles laboratory)  |
| 8 Samples received within holding time?                           | ✓   |    |    | ID's and tests affected:   |
| 9 Sample ID's on COC match ID's on bottles?                       | ✓   |    |    | Sample ID's and containers affected:   |
| 10 Date & time on COC match date & time on bottles?               | ✓   |    |    | Sample ID's affected:  |
| 11 Number of containers received match number indicated on COC?   | ✓   |    |    | Sample ID's affected:  |
| 12 COC form is properly signed in relinquished/received sections? | ✓   |    |    |  |

Comments:

UPS: 1ZF10F7403 9189 3668

PM (or PMA) review: Initials

Ems

Date

10/4/07



Laboratories LLC

## SAMPLE RECEIPT &amp; REVIEW FORM

|                                     |     |                                     |   |
|-------------------------------------|-----|-------------------------------------|---|
| Client: <u>Enercon</u>              |     | SDG/ARCO/Work Order: <u>195022</u>  |   |
| Received By: <u>Junette</u>         |     | Date Received: <u>10-4-07</u>       |   |
| Suspected Hazard Information        | Yes | No                                  | *If Counts > x2 area background on samples not marked "radioactive", contact the Radiation Safety Group of further investigation. |
| COC/Samples marked as radioactive?  |     | <input checked="" type="checkbox"/> | Maximum Counts Observed*: <u>80 cpm</u>   |
| Classified Radioactive II by RSO?   |     | <input checked="" type="checkbox"/> |   |
| COC/Samples marked containing PCBs? |     | <input checked="" type="checkbox"/> |   |
| Shipped as a DOT Hazardous?         |     | <input checked="" type="checkbox"/> | Hazard Class Shipped: UN#:  |
| Samples identified as Foreign Soil? |     | <input checked="" type="checkbox"/> |   |

| Sample Receipt Criteria |  | Yes                                 | NA                                  | No                                  | Comments/Qualifiers (Required for Non-Conforming Items)                              |
|-------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 1                       | Shipping containers received intact and sealed?                | <input checked="" type="checkbox"/> |                                     |                                     | Circle Applicable: damaged container leaking container other (describe) seals broken |
| 2                       | Samples requiring cold preservation within (4 +/- 2 C)?        |                                     | <input checked="" type="checkbox"/> |                                     | Preservation Method: blue ice dry ice none other (describe) ice bags <u>23°</u>      |
| 3                       | Chain of custody documents included with shipment?             | <input checked="" type="checkbox"/> |                                     |                                     |  |
| 4                       | Sample containers intact and sealed?                           | <input checked="" type="checkbox"/> |                                     |                                     | Circle Applicable: damaged container leaking container other (describe) seals broken |
| 5                       | Samples requiring chemical preservation at proper pH?          |                                     | <input checked="" type="checkbox"/> |                                     | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:    |
| 6                       | VOA vials free of headspace (defined as < 6mm bubble)?         |                                     | <input checked="" type="checkbox"/> |                                     | Sample ID's and containers affected:   |
| 7                       | Are Encore containers present?                                 |                                     |                                     | <input checked="" type="checkbox"/> | (If yes, immediately deliver to Volatiles laboratory)                                |
| 8                       | Samples received within holding time?                          | <input checked="" type="checkbox"/> |                                     |                                     | ID's and tests affected:   |
| 9                       | Sample ID's on COC match ID's on bottles?                      | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's and containers affected:   |
| 10                      | Date & time on COC match date & time on bottles?               | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's affected:  |
| 11                      | Number of containers received match number indicated on COC?   | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's affected:  |
| 12                      | COC form is properly signed in relinquished/received sections? | <input checked="" type="checkbox"/> |                                     |                                     |  |

Comments:

UPS 12 F10 F74 03 9879098  
 12 F10 F74 03 9374274  
 " " 9175 6253  
 " " 9468 1088

PM (or PMA) review: Initials gms Date 10/4/07

| Page: <u>1</u> of <u>1</u><br>Project #: <u>PG1E - HB025</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> : <u>030-07</u><br>PO Number:   |                               | <b>GEL Chain of Custody and Analytical Request</b>       |                | General Engineering Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |                      |                                      |                |                            |   |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
|---|-------------------------------|--|----------------|---|----------------------|--------------------------------------|----------------|----------------------------|---|--|--|---------------|--|---|------|--|--|---|--|--|--|--|--|
| Client Name: <u>Enercon Services Inc.</u>   |                               | Phone #: <u>1(724)733-8711</u>                           |                | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test)   |                      |                                      |                |                            |   |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
| Project/Site Name: <u>Humboldt Bay NPP</u>  |                               | Fax #: <u>1(724)733-4630</u>                             |                | Should this sample be considered:   |                      |                                      |                |                            |   |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
| Address: <u>1000 King Salmon Avenue, Eureka, CA 95503</u>   |                               | Collected by: <u>William DeGuerre &amp; Joyce Thomas</u> |                | Send Results To: <u>Corey DeWitt</u>  |                      |                                      |                |                            |   |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small>  | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(Military) (hhmm)                     | QC Code<br>(1) | Field Filtered<br>(3)   | Sample Matrix<br>(4) | Radioactive                          | TSCA Regulated | Total number of containers | Comments<br>Note: extra sample is required for sample specific QC |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
| AREA - 005SS3-6   | 091807                        | 0930   | N              | N/A   | SO                   |                                      |                | 1                          | GAMA Spec.  |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
| 005SS3-8  | 091807                        | 1000   | N              | N/A   | SO                   |                                      |                | 1                          |   |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
| 005SS3-10   | 091807                        | 1020   | N              | N/A   | SO                   |                                      |                | 1                          |   |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
| 005SS3-11   | 091807                        | 1040   | N              | N/A   | SO                   |                                      |                | 1                          |   |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
| 005SS3-12   | 091807                        | 1100   | N              | N/A   | SO                   |                                      |                | 1                          |   |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
| 005SS3-13   | 091807                        | 1120   | N              | N/A   | SO                   |                                      |                | 1                          |   |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
| 005SS3-14   | 091807                        | 1140   | N              | N/A   | SO                   |                                      |                | 1                          |   |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
| 005SS3-05   | 091807                        | 1600   | N              | N/A   | SO                   |                                      |                | 1                          |   |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
| N   | N                             | N  | N              | N   | N                    |                                      |                | N                          |   |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
| A   | A                             | A  | A              | A   | A                    |                                      |                | A                          |   |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
| TAT Requested: Normal: _____ Rush: _____ Specify: _____ (Subject to Surcharge)  |                               | Fax Results: Yes / No                                    |                | Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4   |                      |                                      |                |                            |   |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards  |                               |  |                |   |                      |                                      |                |                            |   |  |  |               |  | Sample Collection Time Zone<br>Eastern <input checked="" type="checkbox"/> Pacific<br>Central _____ Other _____<br>Mountain _____ |      |  |  |   |  |  |  |  |  |
| Chain of Custody Signatures   |                               |  |                |   |                      | Sample Shipping and Delivery Details |                |                            |   |  |  |               |  |   |      |  |  |   |  |  |  |  |  |
| Relinquished By (Signed)  |                               |  | Date           |   |                      | Time                                 |                |                            | Received by (signed)  |  |  | Date          |  |   | Time |  |  | GEL PM:   |  |  |  |  |  |
| 1 <u>Joyce Thomas</u>   |                               |  | 091807         |   |                      | 1600                                 |                |                            | 1 <u>Joyce Thomas</u>   |  |  | 091807        |  |   | 1600 |  |  | Method of Shipment: <u>UPS</u>  |  |  |  |  |  |
| 2 <u>Joyce Thomas</u>   |                               |  | 092807         |   |                      | 1400                                 |                |                            | 2 <u>Joyce Thomas</u>   |  |  | 091807        |  |   | 915  |  |  | Date Shipped: <u>09-28-07</u>   |  |  |  |  |  |
| 3   |                               |  |                |   |                      |                                      |                |                            | 3   |  |  |               |  |   |      |  |  | Airbill #: <u>12 F10 F74 03 9004 5308</u>   |  |  |  |  |  |
|   |                               |  |                |   |                      |                                      |                |                            |   |  |  |               |  |   |      |  |  | Airbill #:  |  |  |  |  |  |
| 1.) Chain of Custody Number = Client Determined<br>2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite<br>3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.<br>4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal<br>5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).<br>6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate, If no preservative is added = leave field blank |                               |  |                |   |                      |                                      |                |                            |   |  |  |               |  |   |      |  |  | For Lab Receiving Use Only<br>Custody Seal Intact?<br>YES NO<br>Cooler Temp:<br>C |  |  |  |  |  |
| WHITE = LABORATORY  |                               |  |                |   |                      | YELLOW = FILE                        |                |                            |   |  |  | PINK = CLIENT |  |   |      |  |  |   |  |  |  |  |  |

|   |  |   |
|---|--|---|
| Page: _____ of _____<br>Project #: <u>PG&amp;E-HB085</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> : <u>021-07</u><br>PO Number: | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | General Engineering Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number: <span style="float: right;">196257</span>  |  |   |

| Client Name: <u>Enercon Services Inc.</u>  |  | Phone #: <u>1(724)733-8711</u>                      |                               | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                                     |                            |   |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|---|-------------------------------|---|-------------------------------------|----------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|
| Project/Site Name: <u>Humboldt Bay NPP</u>                                       |  | Fax #: <u>1(724)733-4630</u>                        |                               | Should this sample be considered:   | Total number of containers          | <-- Preservative Type (6)  |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Address: <u>1000 King Salmon Avenue Eureka, CA 95503</u>                         |  |   |                               |   |                                     |                            |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Collected by: <u>William DeGuerre &amp; Joyce Thomas</u>                         |  | Send Results To: <u>COREY DeWitt</u>                |                               | Radioactive   | TSCA Regulated                      | Total number of containers | <div style="text-align: center;"> <b>Comments</b><br/>           Note: extra sample is required for sample specific QC         </div> |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |                               |   |                                     |                            |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | *Date Collected<br><small>(mm-dd-yy)</small> | *Time Collected<br><small>(Military) (hhmm)</small> | QC Code<br><small>(1)</small> | Field Filtered<br><small>(2)</small>  | Sample Matrix<br><small>(4)</small> |                            |   |  |  |  |  |  |  |  |  |  |  |  |  |
| AREA - 005SS3-7  | 09-07-07                                     | 1100  | N                             | N   | A                                   | SO                         |   |  |  |  |  |  |  |  |  |  |  |  |  |
| 005SS3-9   | 09-07-07                                     | 1120  | N                             |   |                                     | SO                         |   |  |  |  |  |  |  |  |  |  |  |  |  |
| 005SS3-4   | 09-07-07                                     | 1140  | N                             |   |                                     | SO                         |   |  |  |  |  |  |  |  |  |  |  |  |  |
| 005SS3-2   | 09-07-07                                     | 1200  | N                             |   |                                     | SO                         |   |  |  |  |  |  |  |  |  |  |  |  |  |
| 005SS3-1   | 09-07-07                                     | 1240  | N                             |   |                                     | SO                         |   |  |  |  |  |  |  |  |  |  |  |  |  |
| 005SS3-3   | 09-07-07                                     | 1300  | N                             | ✓   |                                     | SO                         |   |  |  |  |  |  |  |  |  |  |  |  |  |
| N  | N  | N   | N                             | N   | N                                   | N                          |   |  |  |  |  |  |  |  |  |  |  |  |  |
| A  | A  | A   | A                             | A   | A                                   | A                          |   |  |  |  |  |  |  |  |  |  |  |  |  |

TAT Requested: Normal: \_\_\_\_\_ Rush: \_\_\_\_\_ Specify: \_\_\_\_\_ (Subject to Surcharge) Fax Results: Yes / No Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4

Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards

Sample Collection Time Zone

Eastern ☐ Pacific ☒  
 Central ☐ Other ☐

| Chain of Custody Signatures |        |      |                       |        |      | Sample Shipping and Delivery Details      |                             |
|-----------------------------|--------|------|-----------------------|--------|------|---|-----------------------------|
| Relinquished By (Signed)    | Date   | Time | Received by (signed)  | Date   | Time |   |                             |
| 1 <u>Joyce Thomas</u>       | 090707 | 1300 | 1 <u>Joyce Thomas</u> | 090707 | 1300 | GEL PM:                                   |                             |
| 2 <u>Joyce Thomas</u>       | 092807 | 1400 | 2 <u>Joyce Thomas</u> | 091807 | 9215 | Method of Shipment: <u>UPS</u>            | Date Shipped: <u>092807</u> |
| 3                           |        |      | 3                     |        |      | Airbill #: <u>1Z F10 F74 03 9004 5308</u> |                             |
|                             |        |      |                       |        |      | Airbill #:                                |                             |

- 1.) Chain of Custody Number = Client Determined
- 2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite
- 3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.
- 4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal
- 5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).
- 6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate, If no preservative is added = leave field blank

WHITE = LABORATORY

YELLOW = FILE

PINK = CLIENT

For Lab Receiving Use Only

Custody Seal Intact?

YES ☐ NO ☐

Cooler Temp:

C



Laboratories LLC

## SAMPLE RECEIPT &amp; REVIEW FORM

|                                     |     |                                     |   |
|-------------------------------------|-----|-------------------------------------|---|
| Client: <u>Enercon</u>              |     | SDG/ARCOC/Work Order: <u>195257</u> |   |
| Received By: <u>JP</u>              |     | Date Received: <u>10/18/07</u>      |   |
| Suspected Hazard Information        | Yes | No                                  | *If Counts > x2 area background on samples not marked "radioactive", contact the Radiation Safety Group of further investigation. |
| COC/Samples marked as radioactive?  |     | <input checked="" type="checkbox"/> | Maximum Counts Observed*: <u>40 cpm</u>   |
| Classified Radioactive II by RSO?   |     | <input checked="" type="checkbox"/> |   |
| COC/Samples marked containing PCBs? |     | <input checked="" type="checkbox"/> |   |
| Shipped as a DOT Hazardous?         |     | <input checked="" type="checkbox"/> | Hazard Class Shipped: <u>UN#:</u>   |
| Samples identified as Foreign Soil? |     | <input checked="" type="checkbox"/> |   |

| Sample Receipt Criteria |  | Yes                                 | NA                                  | No                                  | Comments/Qualifiers (Required for Non-Conforming Items)  |
|-------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 1                       | Shipping containers received intact and sealed?                | <input checked="" type="checkbox"/> |                                     |                                     | Circle Applicable:<br>damaged container <u>leaking</u> container    other (describe)    seals broken           |
| 2                       | Samples requiring cold preservation within (4 +/- 2 C)?        |                                     | <input checked="" type="checkbox"/> |                                     | Preservation Method:<br>blue ice    dry ice <u>none</u> other (describe)    ice bags<br><u>198g</u> <u>19°</u> |
| 3                       | Chain of custody documents included with shipment?             | <input checked="" type="checkbox"/> |                                     |                                     |  |
| 4                       | Sample containers intact and sealed?                           | <input checked="" type="checkbox"/> |                                     |                                     | Circle Applicable:<br>damaged container <u>leaking</u> container    other (describe)    seals broken           |
| 5                       | Samples requiring chemical preservation at proper pH?          |                                     | <input checked="" type="checkbox"/> |                                     | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:                              |
| 6                       | VOA vials free of headspace (defined as < 6mm bubble)?         |                                     | <input checked="" type="checkbox"/> |                                     | Sample ID's and containers affected:   |
| 7                       | Are Encore containers present?                                 |                                     |                                     | <input checked="" type="checkbox"/> | (If yes, immediately deliver to Volatiles laboratory)  |
| 8                       | Samples received within holding time?                          | <input checked="" type="checkbox"/> |                                     |                                     | ID's and tests affected:   |
| 9                       | Sample ID's on COC match ID's on bottles?                      | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's and containers affected:   |
| 10                      | Date & time on COC match date & time on bottles?               | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's affected:  |
| 11                      | Number of containers received match number indicated on COC?   | <input checked="" type="checkbox"/> |                                     |                                     | Sample ID's affected:  |
| 12                      | COC form is properly signed in relinquished/received sections? | <input checked="" type="checkbox"/> |                                     |                                     |  |

Comments:

UPS 1ZF10F740390045305

PM (or PMA) review: Initials

qms

Date

10/18/07

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - [www.gel.com](http://www.gel.com)

### Certificate of Analysis Report for

ENRC002 Enercon Services, Inc.

Client SDG: 201361 GEL Work Order: 201361

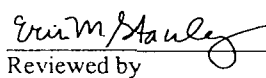
**The Qualifiers in this report are defined as follows:**

- \* A quality control analyte recovery is outside of specified acceptance criteria
- \*\* Analyte is a surrogate compound
- H Analytical holding time was exceeded
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the detection limit.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, **Erin** Stanley.

  
Reviewed by



## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : Enercon Services, Inc.  
Address : 4499 Old William Penn Highway  
Murrysville, Pennsylvania 15668

Report Date: February 7, 2008

Contact: Mr. Dustin G. Miller  
Project: **Humboldt Bay NPP soils**

Client Sample ID: 005SS3-6  
Sample ID: 201361025  
Matrix: Soil  
Collect Date: 18-SEP-07 09:30  
Receive Date: 08-OCT-07  
Collector: Client

Project: ENRC00200  
Client ID: ENRC002

| Parameter                                | Qualifier | Result    | Uncertainty | DL       | RL       | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|-----------|-------------|----------|----------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Liquid Scintillation Analysis</b> |           |           |             |          |          |       |    |         |          |      |        |        |
| <i>LSC, Tritium Dist, Solid</i>          |           |           |             |          |          |       |    |         |          |      |        |        |
| Tritium                                  | U         | -6.71E-01 | +/-2.96E+00 | 5.33E+00 | 6.00E+00 | pCi/g |    | RXE1    | 02/01/08 | 1246 | 720775 | 1      |

#### The following Analytical Methods were performed

| Method | Description        | Analyst | Comments |
|--------|--------------------|---------|----------|
| 1      | EPA 906.0 Modified |         |          |

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### Certificate of Analysis

Company : Enercon Services, Inc.  
Address : 4499 Old William Penn Highway  
Murrysville, Pennsylvania 15668

Report Date: February 7, 2008

Contact: Mr. Dustin G. Miller  
Project: Humboldt Bay NPP soils

Client Sample ID: 005SS3-8  
Sample ID: 201361026  
Matrix: Soil  
Collect Date: 18-SEP-07 10:00  
Receive Date: 08-OCT-07  
Collector: Client

Project: ENRC00200  
Client ID: ENRC002

| Parameter                         | Qualifier | Result    | Uncertainty | DL       | RL       | Units | DF | AnalystDate   | Time | Batch  | Method |
|-----------------------------------|-----------|-----------|-------------|----------|----------|-------|----|---------------|------|--------|--------|
| Rad Liquid Scintillation Analysis |           |           |             |          |          |       |    |               |      |        |        |
| LSC, Tritium Dist, Solid          |           |           |             |          |          |       |    |               |      |        |        |
| Tritium                           | U         | -4.69E-01 | +/-2.98E+00 | 5.35E+00 | 6.00E+00 | pCi/g |    | RXE1 02/01/08 | 1318 | 720775 | 1      |

#### The following Analytical Methods were performed

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
| 1      | EPA 906.0 Modified |                  |

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### Certificate of Analysis

Company : Enercon Services, Inc.  
Address : 4499 Old William Penn Highway  
Murrysville, Pennsylvania 15668

Report Date: February 7, 2008

Contact: Mr. Dustin G. Miller  
Project: Humboldt Bay NPP soils

Client Sample ID: 005SS3-10  
Sample ID: 201361027  
Matrix: Soil  
Collect Date: 18-SEP-07 10:20  
Receive Date: 08-OCT-07  
Collector: Client

Project: ENRC00200  
Client ID: ENRC002

| Parameter                                | Qualifier | Result   | Uncertainty | DL       | RL       | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|----------|-------------|----------|----------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Liquid Scintillation Analysis</b> |           |          |             |          |          |       |    |         |          |      |        |        |
| <i>LSC, Tritium Dist, Solid</i>          |           |          |             |          |          |       |    |         |          |      |        |        |
| Tritium                                  | U         | 4.05E-01 | +/-3.00E+00 | 5.29E+00 | 6.00E+00 | pCi/g |    | RXE1    | 02/01/08 | 1350 | 720775 | 1      |

#### The following Analytical Methods were performed

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
| 1      | EPA 906.0 Modified |                  |

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### Certificate of Analysis

Company : Enercon Services, Inc.  
Address : 4499 Old William Penn Highway  
Murrysville, Pennsylvania 15668

Report Date: February 7, 2008

Contact: Mr. Dustin G. Miller  
Project: Humboldt Bay NPP soils

Client Sample ID: 005SS3-11  
Sample ID: 201361028  
Matrix: Soil  
Collect Date: 18-SEP-07 10:40  
Receive Date: 08-OCT-07  
Collector: Client

Project: ENRC00200  
Client ID: ENRC002

| Parameter                         | Qualifier | Result   | Uncertainty | DL       | RL       | Units | DF | AnalystDate   | Time | Batch  | Method |
|-----------------------------------|-----------|----------|-------------|----------|----------|-------|----|---------------|------|--------|--------|
| Rad Liquid Scintillation Analysis |           |          |             |          |          |       |    |               |      |        |        |
| LSC, Tritium Dist, Solid          |           |          |             |          |          |       |    |               |      |        |        |
| Tritium                           | U         | 0.00E+00 | +/-2.93E+00 | 5.19E+00 | 6.00E+00 | pCi/g |    | RXE1 02/01/08 | 1422 | 720775 | 1      |

#### The following Analytical Methods were performed

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
| 1      | EPA 906.0 Modified |                  |

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### Certificate of Analysis

Company : Enercon Services, Inc.  
Address : 4499 Old William Penn Highway  
Murrysville, Pennsylvania 15668

Report Date: February 7, 2008

Contact: Mr. Dustin G. Miller  
Project: **Humboldt Bay NPP soils**

Client Sample ID: 005SS3-12  
Sample ID: 201361029  
Matrix: Soil  
Collect Date: 18-SEP-07 11:00  
Receive Date: 08-OCT-07  
Collector: Client

Project: ENRC00200  
Client ID: ENRC002

| Parameter                                | Qualifier | Result   | Uncertainty | DL       | RL       | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|----------|-------------|----------|----------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Liquid Scintillation Analysis</b> |           |          |             |          |          |       |    |         |          |      |        |        |
| <i>LSC, Tritium Dist, Solid</i>          |           |          |             |          |          |       |    |         |          |      |        |        |
| Tritium                                  | U         | 2.56E+00 | +/-3.18E+00 | 5.37E+00 | 6.00E+00 | pCi/g |    | RXE1    | 02/01/08 | 1453 | 720775 | I      |

#### The following Analytical Methods were performed

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
| I      | EPA 906.0 Modified |                  |

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### Certificate of Analysis

Company : Enercon Services, Inc.  
Address : 4499 Old William Penn Highway  
Murrysville, Pennsylvania 15668

Report Date: February 7, 2008

Contact: Mr. Dustin G. Miller  
Project: **Humboldt Bay NPP soils**

Client Sample ID: 005SS3-13  
Sample ID: 201361030  
Matrix: Soil  
Collect Date: 18-SEP-07 11:20  
Receive Date: 08-OCT-07  
Collector: Client

Project: ENRC00200  
Client ID: ENRC002

| Parameter                         | Qualifier | Result   | Uncertainty | DL       | RL       | Units | DF | Analyst | Date     | Time | Batch  | Method |
|-----------------------------------|-----------|----------|-------------|----------|----------|-------|----|---------|----------|------|--------|--------|
| Rad Liquid Scintillation Analysis |           |          |             |          |          |       |    |         |          |      |        |        |
| LSC, Tritium Dist, Solid          |           |          |             |          |          |       |    |         |          |      |        |        |
| Tritium                           | U         | 1.86E+00 | +/-3.10E+00 | 5.30E+00 | 6.00E+00 | pCi/g |    | RXE1    | 02/01/08 | 1525 | 720775 | 1      |

#### The following Analytical Methods were performed

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
| 1      | EPA 906.0 Modified |                  |

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### Certificate of Analysis

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Address : 4499 Old William Penn Highway  
Murrysville, Pennsylvania 15668

Report Date: February 7, 2008

Contact: Mr. Dustin G. Miller  
Project: **Humboldt Bay NPP soils**

Client Sample ID: 005SS3-14  
Sample ID: 201361031  
Matrix: Soil  
Collect Date: 18-SEP-07 11:40  
Receive Date: 08-OCT-07  
Collector: Client

Project: ENRC00200  
Client ID: ENRC002

| Parameter                                | Qualifier | Result   | Uncertainty | DL       | RL       | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|----------|-------------|----------|----------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Liquid Scintillation Analysis</b> |           |          |             |          |          |       |    |         |          |      |        |        |
| <i>LSC, Tritium Dist, Solid</i>          |           |          |             |          |          |       |    |         |          |      |        |        |
| Tritium                                  | U         | 2.00E+00 | +/-3.06E+00 | 5.22E+00 | 6.00E+00 | pCi/g |    | RXE1    | 02/01/08 | 1557 | 720775 | 1      |

#### **The following Analytical Methods were performed**

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
| 1      | EPA 906.0 Modified |                  |

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### Certificate of Analysis

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Murrysville, Pennsylvania 15668

Report Date: February 7, 2008

Contact: Mr. Dustin G. Miller  
Project: Humboldt Bay NPP soils

Client Sample ID: 005SS3-05  
Sample ID: 201361032  
Matrix: Soil  
Collect Date: 18-SEP-07 16:00  
Receive Date: 08-OCT-07  
Collector: Client

Project: ENRC00200  
Client ID: ENRC002

| Parameter                         | Qualifier | Result   | Uncertainty | DL       | RL       | Units | DF | Analyst | Date     | Time | Batch  | Method |
|-----------------------------------|-----------|----------|-------------|----------|----------|-------|----|---------|----------|------|--------|--------|
| Rad Liquid Scintillation Analysis |           |          |             |          |          |       |    |         |          |      |        |        |
| LSC, Tritium Dist, Solid          |           |          |             |          |          |       |    |         |          |      |        |        |
| Tritium                           | U         | 4.03E-01 | +/-2.98E+00 | 5.25E+00 | 6.00E+00 | pCi/g |    | RXE1    | 02/01/08 | 1629 | 720775 | 1      |

#### The following Analytical Methods were performed

| Method | Description        | Analyst | Comments |
|--------|--------------------|---------|----------|
| 1      | EPA 906.0 Modified |         |          |



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### Certificate of Analysis

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Murrysville, Pennsylvania 15668

Report Date: February 7, 2008

Contact: Mr. Dustin G. Miller  
Project: Humboldt Bay NPP soils

Client Sample ID: 005SS3-7  
Sample ID: 201361033  
Matrix: Soil  
Collect Date: 07-SEP-07 11:00  
Receive Date: 08-OCT-07  
Collector: Client

Project: ENRC00200  
Client ID: ENRC002

| Parameter                         | Qualifier | Result   | Uncertainty | DL       | RL       | Units | DF | AnalystDate   | Time | Batch  | Method |
|-----------------------------------|-----------|----------|-------------|----------|----------|-------|----|---------------|------|--------|--------|
| Rad Liquid Scintillation Analysis |           |          |             |          |          |       |    |               |      |        |        |
| LSC, Tritium Dist, Solid          |           |          |             |          |          |       |    |               |      |        |        |
| Tritium                           | U         | 1.14E-01 | +/-2.93E+00 | 5.20E+00 | 6.00E+00 | pCi/g |    | RXE1 02/01/08 | 1701 | 720775 | 1      |

#### The following Analytical Methods were performed

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
| 1      | EPA 906.0 Modified |                  |

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : Enercon Services, Inc.  
Address : 4499 Old William Penn Highway  
Murrysville, Pennsylvania 15668

Contact: Mr. Dustin G. Miller  
Project: **Humboldt Bay NPP soils**

Report Date: February 7, 2008

Client Sample ID: 005SS3-9  
Sample ID: 201361034  
Matrix: Soil  
Collect Date: 07-SEP-07 11:20  
Receive Date: 08-OCT-07  
Collector: Client

Project: ENRC00200  
Client ID: ENRC002

| Parameter                         | Qualifier | Result    | Uncertainty | DL       | RL       | Units | DF | Analyst | Date     | Time | Batch  | Method |
|-----------------------------------|-----------|-----------|-------------|----------|----------|-------|----|---------|----------|------|--------|--------|
| Rad Liquid Scintillation Analysis |           |           |             |          |          |       |    |         |          |      |        |        |
| LSC, Tritium Dist, Solid          |           |           |             |          |          |       |    |         |          |      |        |        |
| Tritium                           | U         | -5.77E-01 | +/-2.93E+00 | 5.27E+00 | 6.00E+00 | pCi/g |    | RXE1    | 02/01/08 | 1733 | 720775 | 1      |

#### The following Analytical Methods were performed

| Method | Description        | Analyst | Comments |
|--------|--------------------|---------|----------|
| 1      | EPA 906.0 Modified |         |          |

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : Enercon Services, Inc.  
Address : 4499 Old William Penn Highway  
Murrysville, Pennsylvania 15668

Report Date: February 7, 2008

Contact: Mr. Dustin G. Miller  
Project: **Humboldt Bay NPP soils**

Client Sample ID: 005SS3-4  
Sample ID: 201361035  
Matrix: Soil  
Collect Date: 07-SEP-07 11:40  
Receive Date: 08-OCT-07  
Collector: Client

Project: ENRC00200  
Client ID: ENRC002

| Parameter                         | Qualifier | Result    | Uncertainty | DL       | RL       | Units | DF | Analyst | Date     | Time | Batch  | Method |
|-----------------------------------|-----------|-----------|-------------|----------|----------|-------|----|---------|----------|------|--------|--------|
| Rad Liquid Scintillation Analysis |           |           |             |          |          |       |    |         |          |      |        |        |
| LSC, Tritium Dist, Solid          |           |           |             |          |          |       |    |         |          |      |        |        |
| Tritium                           | U         | -2.02E+00 | +/-2.84E+00 | 5.26E+00 | 6.00E+00 | pCi/g |    | RXE1    | 02/01/08 | 1805 | 720775 | 1      |

#### The following Analytical Methods were performed

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
| 1      | EPA 906.0 Modified |                  |

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : Enercon Services, Inc.  
Address : 4499 Old William Penn Highway  
Murrysville, Pennsylvania 15668

Report Date: February 7, 2008

Contact: Mr. Dustin G. Miller  
Project: **Humboldt Bay NPP soils**

Client Sample ID: 005SS3-2  
Sample ID: 201361036  
Matrix: Soil  
Collect Date: 07-SEP-07 12:00  
Receive Date: 08-OCT-07  
Collector: Client

Project: ENRC00200  
Client ID: ENRC002

| Parameter                                | Qualifier | Result   | Uncertainty | DL       | RL       | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|----------|-------------|----------|----------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Liquid Scintillation Analysis</b> |           |          |             |          |          |       |    |         |          |      |        |        |
| <i>LSC, Tritium Dist, Solid</i>          |           |          |             |          |          |       |    |         |          |      |        |        |
| Tritium                                  | U         | 4.91E-01 | +/-3.00E+00 | 5.28E+00 | 6.00E+00 | pCi/g |    | RXE1    | 02/01/08 | 1837 | 720775 | 1      |

#### The following Analytical Methods were performed

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
| 1      | EPA 906.0 Modified |                  |

## GEL LABORATORIES LLC

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### Certificate of Analysis

Company : Enercon Services, Inc.  
Address : 4499 Old William Penn Highway  
Murrysville, Pennsylvania 15668

Report Date: February 7, 2008

Contact: Mr. Dustin G. Miller  
Project: **Humboldt Bay NPP soils**

Client Sample ID: 005SS3-1  
Sample ID: 201361037  
Matrix: Soil  
Collect Date: 07-SEP-07 12:40  
Receive Date: 08-OCT-07  
Collector: Client

Project: ENRC00200  
Client ID: ENRC002

| Parameter                                | Qualifier | Result   | Uncertainty | DL       | RL       | Units | DF | AnalystDate               | Time | Batch | Method |
|--|-----------|----------|-------------|----------|----------|-------|----|---------------------------|------|-------|--------|
| <b>Rad Liquid Scintillation Analysis</b> |           |          |             |          |          |       |    |                           |      |       |        |
| <i>LSC, Tritium Dist, Solid</i>          |           |          |             |          |          |       |    |                           |      |       |        |
| Tritium                                  | U         | 2.12E+00 | +/-3.07E+00 | 5.22E+00 | 6.00E+00 | pCi/g |    | RXE1 02/01/08 1909 720775 |      |       | 1      |

#### The following Analytical Methods were performed

| Method | Description        | Analyst Comments |
|--------|--------------------|------------------|
| 1      | EPA 906.0 Modified |                  |

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : Enercon Services, Inc.  
Address : 4499 Old William Penn Highway  
Murrysville, Pennsylvania 15668

Report Date: February 7, 2008

Contact: Mr. Dustin G. Miller  
Project: Humboldt Bay NPP soils

Client Sample ID: 005SS3-3  
Sample ID: 201361038  
Matrix: Soil  
Collect Date: 07-SEP-07 13:00  
Receive Date: 08-OCT-07  
Collector: Client

Project: ENRC00200  
Client ID: ENRC002

| Parameter                                | Qualifier | Result   | Uncertainty | DL       | RL       | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|----------|-------------|----------|----------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Liquid Scintillation Analysis</b> |           |          |             |          |          |       |    |         |          |      |        |        |
| <i>LSC, Tritium Dist, Solid</i>          |           |          |             |          |          |       |    |         |          |      |        |        |
| Tritium                                  | U         | 1.92E+00 | +/-3.07E+00 | 5.24E+00 | 6.00E+00 | pCi/g |    | RXE1    | 02/01/08 | 1940 | 720775 | 1      |

#### The following Analytical Methods were performed

| Method | Description        | Analyst | Comments |
|--------|--------------------|---------|----------|
| 1      | EPA 906.0 Modified |         |          |

# GEL LABORATORIES LLC

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## QC Summary

Report Date: February 7, 2008

Page 1 of 2

Enercon Services, Inc.  
4499 Old William Penn Highway  
Murrysville, Pennsylvania  
Mr. Dustin G. Miller

Contact:

Workorder: 201361

| Parmname                 | NOM       | Sample | Qual        | QC | Units       | RPD%  | REC% | Range      | Anlst    | Date     | Time  |
|--------------------------|-----------|--------|-------------|----|-------------|-------|------|------------|----------|----------|-------|
| Rad Liquid Scintillation |           |        |             |    |             |       |      |            |          |          |       |
| Batch                    | 720770    |        |             |    |             |       |      |            |          |          |       |
| QC1201502016             | 201361001 | DUP    |             |    |             |       |      |            |          |          |       |
| Tritium                  |           | U      | -1.92E+00   | U  | -4.48E-01   | pCi/g | 0    |            | N/A RXE1 | 02/07/08 | 02:04 |
|                          |           |        | +/-2.21E+00 |    | +/-2.40E+00 |       |      |            |          |          |       |
| QC1201502018             | LCS       |        |             |    |             |       |      |            |          |          |       |
| Tritium                  | 2.05E+01  |        |             |    | 1.99E+01    | pCi/g | 97   | (75%-125%) |          | 02/07/08 | 02:44 |
|                          |           |        |             |    | +/-5.13E+00 |       |      |            |          |          |       |
| QC1201502015             | MB        |        |             |    |             |       |      |            |          |          |       |
| Tritium                  |           |        |             | U  | -1.00E+00   | pCi/g |      |            |          | 02/07/08 | 01:41 |
|                          |           |        |             |    | +/-2.18E+00 |       |      |            |          |          |       |
| QC1201502017             | 201361001 | MS     |             |    |             |       |      |            |          |          |       |
| Tritium                  | 2.16E+01  | U      | -1.92E+00   |    | 2.46E+01    | pCi/g | 114  | (75%-125%) |          | 02/07/08 | 02:26 |
|                          |           |        | +/-2.21E+00 |    | +/-5.76E+00 |       |      |            |          |          |       |
| Batch                    | 720775    |        |             |    |             |       |      |            |          |          |       |
| QC1201502045             | 201361021 | DUP    |             |    |             |       |      |            |          |          |       |
| Tritium                  |           | U      | -3.69E-01   | U  | 1.66E+00    | pCi/g | 0    |            | N/A RXE1 | 02/01/08 | 20:44 |
|                          |           |        | +/-2.90E+00 |    | +/-2.95E+00 |       |      |            |          |          |       |
| QC1201502047             | LCS       |        |             |    |             |       |      |            |          |          |       |
| Tritium                  | 4.06E+01  |        |             |    | 3.84E+01    | pCi/g | 95   | (75%-125%) |          | 01/27/08 | 02:47 |
|                          |           |        |             |    | +/-6.69E+00 |       |      |            |          |          |       |
| QC1201502044             | MB        |        |             |    |             |       |      |            |          |          |       |
| Tritium                  |           |        |             | U  | -4.30E-01   | pCi/g |      |            |          | 02/01/08 | 20:12 |
|                          |           |        |             |    | +/-2.74E+00 |       |      |            |          |          |       |
| QC1201502046             | 201361021 | MS     |             |    |             |       |      |            |          |          |       |
| Tritium                  | 4.20E+01  | U      | -3.69E-01   |    | 4.69E+01    | pCi/g | 112  | (75%-125%) |          | 01/27/08 | 02:31 |
|                          |           |        | +/-2.90E+00 |    | +/-7.29E+00 |       |      |            |          |          |       |

### Notes:

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N/A RPD or %Recovery limits do not apply.

## GEL LABORATORIES LLC

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### QC Summary

Workorder: 201361

Page 2 of 2

| Parmname | NOM   | Sample | Qual | QC | Units | RPD% | REC% | Range | Anlst | Date | Time |
|----------|---|--------|------|----|-------|------|------|-------|-------|------|------|
| ND       | Analyte concentration is not detected above the detection limit   |        |      |    |       |      |      |       |       |      |      |
| NJ       | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier  |        |      |    |       |      |      |       |       |      |      |
| R        | Sample results are rejected   |        |      |    |       |      |      |       |       |      |      |
| U        | Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.  |        |      |    |       |      |      |       |       |      |      |
| UJ       | Gamma Spectroscopy--Uncertain identification  |        |      |    |       |      |      |       |       |      |      |
| X        | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier  |        |      |    |       |      |      |       |       |      |      |
| Y        | QC Samples were not spiked with this compound   |        |      |    |       |      |      |       |       |      |      |
| ^        | RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not <b>Applicable</b> for Radiochemistry. |        |      |    |       |      |      |       |       |      |      |
| h        | Preparation or preservation holding time was exceeded   |        |      |    |       |      |      |       |       |      |      |

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.



**List of current GEL Certifications as of 07 February 2008**

| <b>State</b>              | <b>Certification</b>               |
|---------------------------|------------------------------------|
| Alaska                    | UST-062                            |
| Arizona                   | AZ0668                             |
| Arkansas                  | 88-0651                            |
| CLIA                      | 42D0904046                         |
| California                | 01151CA                            |
| Colorado                  | GenEngLabs                         |
| Connecticut               | PH-0169                            |
| Dept. of Navy             | NFESC 413                          |
| EPA                       | WG-15J                             |
| Florida/NELAP             | E87156                             |
| Georgia                   | E87156 (FL/NELAP)                  |
| Hawaii                    | N/A                                |
| Idaho                     | N/A                                |
| Illinois                  | 200029                             |
| Indiana                   | C-SC-01                            |
| Kansas                    | E-10332                            |
| Kentucky                  | 90129                              |
| Louisiana                 | 03046                              |
| Maryland                  | 270                                |
| Massachusetts             | M-SC012                            |
| Michigan                  | 9903                               |
| Nevada                    | SC12                               |
| New Jersey                | SC002                              |
| New Mexico                | FL NELAP E87156                    |
| New York                  | 11501                              |
| North Carolina            | 233                                |
| North Carolina Drinking W | 45709                              |
| North Dakota              | R-158                              |
| Oklahoma                  | 9904                               |
| Pennsylvania              | 68-00485                           |
| South Carolina            | 10120001/10585001/ <b>10120002</b> |
| Tennessee                 | 02934                              |
| Texas NELAP               | T104704235-07-TX                   |
| U.S. Dept. of Agriculture | S-52597                            |
| US Army Corps of Engineer | N/A                                |
| Utah                      | 8037697376 GEL                     |
| Vermont                   | VT87156                            |
| Virginia                  | 00151                              |
| Washington                | C1641                              |

### **ATTACHMENT 3**

#### **A Drawing Of The Sample Locations And Laboratory Analysis Results**



55 2nd Street  
Suite 575  
San Francisco, CA 94105

415.644.3000 PHONE  
415.541.9378 FAX

[www.TRCsolutions.com](http://www.TRCsolutions.com)

August 27, 2008

Project No. 161072 C-007

Mr. David Sokolsky  
Pacific Gas and Electric Company  
1000 King Salmon Avenue  
Eureka, CA 95503

**Radiological Sampling Data and Demolition/Remediation Schedule**  
**Humboldt Bay Repowering Project**  
**PG&E Humboldt Bay Power Plant**  
**1000 King Salmon Avenue, Eureka, CA 95503**

Dear Mr. Sokolsky:

As discussed during our telephone conference call on August 25, 2008, please find attached the following items:

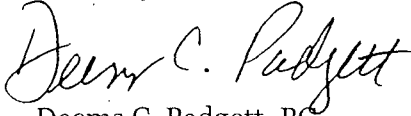
- Remedial Investigation (RI) Report Table 1, Cesium-137 Radiological Sampling Data
- RI Report Table 2, Isotopes Other than Cesium-137
- RI Report Figures 1-5,
- July 14-17, 2008 Radiological Field Screening Results
- Demolition and Remediation Schedule; and
- GEL Laboratory Data sheets.

As both TRC and Enercon indicated, this site has been thoroughly investigated and there are no radiological issues of concern as they relate to the demolition/remediation project scheduled for September 29, 2008 through October 31, 2008. Enercon is our team's NRC expert and feel free to contact Keith Mahosky with any detailed questions in that regard.

David Sokolsky  
August 27, 2008  
Page 2

Please contact Deems Padgett at (415) 644-3001 or Alan Lui at (415) 644-3004 with any other questions.

Sincerely,



Deems C. Padgett, PG  
Project Director



Alan Lui, PE  
Principal Engineer

cc: John Albers, PG&E  
Joseph Sutton, PG&E  
Keith Mahosky, Enercon

Encl



## TABLES

Table 1  
Radiological Soil Sampling Data  
(Cesium-137)  
Humboldt Bay Repowering Project  
Eureka, California

| Sample Number  | Sample Type | Collection Date | Cesium-137<br>(pCi/g) | Uncertainty<br>(pCi/g) |
|----------------|-------------|-----------------|-----------------------|------------------------|
| B-1-0.5 Gamma  | SAMPLE      | 07/15/08        | 0.200                 | 0.0772                 |
| B-1-4.5 Gamma  | SAMPLE      | 07/15/08        | U -0.00513            | 0.0374                 |
| B-2-1.0 Gamma  | SAMPLE      | 07/15/08        | U 0.0259              | 0.0261                 |
| B-2-1.0 Gamma  | DUP         | 07/15/08        | U -0.000777           | 0.0214                 |
| B-2-4.0 Gamma  | SAMPLE      | 07/15/08        | U 0.0185              | 0.0244                 |
| B-2-7.0 Gamma  | SAMPLE      | 07/15/08        | U 0.0123              | 0.0333                 |
| B-3-1.0 Gamma  | SAMPLE      | 07/15/08        | U -0.00295            | 0.0308                 |
| B-3-4.0 Gamma  | SAMPLE      | 07/15/08        | U -0.0102             | 0.0283                 |
| B-4-1.0 Gamma  | SAMPLE      | 07/16/08        | U -0.00459            | 0.0529                 |
| B-4-4.0 Gamma  | SAMPLE      | 07/16/08        | U 0.0104              | 0.036                  |
| B-5-0.5 Gamma  | SAMPLE      | 07/15/08        | U 0.0126              | 0.0177                 |
| B-5-4.5 Gamma  | SAMPLE      | 07/15/08        | U 0.0196              | 0.0432                 |
| B-6-1.0 Gamma  | SAMPLE      | 07/15/08        | U -0.00926            | 0.0266                 |
| B-6-4.0 Gamma  | SAMPLE      | 07/15/08        | U -0.0163             | 0.0414                 |
| B-6-7.0 Gamma  | SAMPLE      | 07/15/08        | U -0.00589            | 0.0511                 |
| B-7-0.5 Gamma  | SAMPLE      | 07/15/08        | U -0.00961            | 0.0205                 |
| B-7-4.5 Gamma  | SAMPLE      | 07/15/08        | U 0.00887             | 0.0394                 |
| B-7-7.5 Gamma  | SAMPLE      | 07/15/08        | U -0.00175            | 0.0443                 |
| B-8-0.5 Gamma  | SAMPLE      | 07/16/08        | 0.116                 | 0.0461                 |
| B-8-4.5 Gamma  | SAMPLE      | 07/16/08        | 0.175                 | 0.0753                 |
| B-9-0.5 Gamma  | SAMPLE      | 07/15/08        | U -0.000848           | 0.0219                 |
| B-9-4.5 Gamma  | SAMPLE      | 07/15/08        | U 0.0226              | 0.0248                 |
| B-9-7.5 Gamma  | SAMPLE      | 07/15/08        | U -0.0176             | 0.038                  |
| B-10-0.5 Gamma | SAMPLE      | 07/16/08        | U 0.0104              | 0.0234                 |
| B-10-4.5 Gamma | SAMPLE      | 07/16/08        | U -0.0147             | 0.0371                 |
| B-11-1.0 Gamma | SAMPLE      | 07/15/08        | U -0.00164            | 0.0178                 |
| B-11-4.0 Gamma | SAMPLE      | 07/15/08        | U -0.00639            | 0.0345                 |

Table 1  
Radiological Soil Sampling Data  
(Cesium-137)  
Humboldt Bay Repowering Project  
Eureka, California

| Sample Number  | Sample Type | Collection Date | Cesium-137<br>(pCi/g) | Uncertainty<br>(pCi/g) |
|----------------|-------------|-----------------|-----------------------|------------------------|
| B-1-0.5 Gamma  | SAMPLE      | 07/15/08        | 0.200                 | 0.0772                 |
| B-11-7.0 Gamma | SAMPLE      | 07/15/08        | U 0.049               | 0.0631                 |
| B-12-1.0 Gamma | SAMPLE      | 07/16/08        | 0.096                 | 0.0609                 |
| B-12-4.0 Gamma | SAMPLE      | 07/16/08        | U 0.0108              | 0.0347                 |
| B-13-0.5 Gamma | SAMPLE      | 07/14/08        | U 0.0187              | 0.0372                 |
| B-13-4.5 Gamma | SAMPLE      | 07/14/08        | U -0.0174             | 0.0254                 |
| B-13-4.5 Gamma | DUP         | 07/14/08        | U -0.0161             | 0.0199                 |
| B-13-7.5 Gamma | SAMPLE      | 07/14/08        | U -0.0171             | 0.0292                 |
| B-14-0.5 Gamma | SAMPLE      | 07/14/08        | U -0.0164             | 0.0236                 |
| B-14-4.5 Gamma | SAMPLE      | 07/14/08        | U -0.00831            | 0.0166                 |
| B-14-7.5 Gamma | SAMPLE      | 07/14/08        | U -0.0264             | 0.0233                 |
| B-15-1.0 Gamma | SAMPLE      | 07/14/08        | U 0.0244              | 0.0326                 |
| B-15-4.0 Gamma | SAMPLE      | 07/14/08        | U 0.0128              | 0.0271                 |
| B-16-1.0 Gamma | SAMPLE      | 07/14/08        | U 0.0238              | 0.0306                 |
| B-16-1.0 Gamma | DUP         | 07/14/08        | 0.075                 | 0.0362                 |
| B-16-4.0 Gamma | SAMPLE      | 07/14/08        | U 0.0208              | 0.031                  |
| B-16-7.0 Gamma | SAMPLE      | 07/14/08        | U 0.00401             | 0.0213                 |
| B-17-0.5 Gamma | SAMPLE      | 07/14/08        | U 0.0169              | 0.0294                 |
| B-17-4.5 Gamma | SAMPLE      | 07/14/08        | U -0.0105             | 0.0333                 |
| B-17-7.5 Gamma | SAMPLE      | 07/14/08        | U 0.0274              | 0.0265                 |
| B-18-0.5 Gamma | SAMPLE      | 07/16/08        | U 0.0123              | 0.0203                 |
| B-18-4.5 Gamma | SAMPLE      | 07/16/08        | U -0.0132             | 0.0313                 |
| B-19-0.5 Gamma | SAMPLE      | 07/16/08        | U -0.0171             | 0.0337                 |
| B-19-4.5 Gamma | SAMPLE      | 07/16/08        | U -0.0108             | 0.0327                 |
| B-20-0.5 Gamma | SAMPLE      | 07/14/08        | U 0.0207              | 0.0291                 |
| B-20-4.5 Gamma | SAMPLE      | 07/14/08        | U -0.0114             | 0.0296                 |
| B-20-7.5 Gamma | SAMPLE      | 07/14/08        | U -0.00987            | 0.0243                 |

Table 1  
Radiological Soil Sampling Data  
(Cesium-137)  
Humboldt Bay Repowering Project  
Eureka, California

| Sample Number  | Sample Type | Collection Date | Cesium-137<br>(pCi/g) | Uncertainty<br>(pCi/g) |
|----------------|-------------|-----------------|-----------------------|------------------------|
| B-1-0.5 Gamma  | SAMPLE      | 07/15/08        | 0.200                 | 0.0772                 |
| B-21-1.0 Gamma | SAMPLE      | 07/17/08        | U 0.0102              | 0.0583                 |
| B-21-4.0 Gamma | SAMPLE      | 07/17/08        | U -0.00859            | 0.0569                 |
| B-22-1.0 Gamma | SAMPLE      | 07/17/08        | U 0.0421              | 0.0333                 |
| B-22-4.0 Gamma | SAMPLE      | 07/17/08        | U 0.00994             | 0.0555                 |
| B-23-1.0 Gamma | SAMPLE      | 07/17/08        | U 0.00923             | 0.0371                 |
| B-23-4.0 Gamma | SAMPLE      | 07/17/08        | U -0.0454             | 0.0553                 |
| B-24-0.5 Gamma | SAMPLE      | 07/17/08        | 0.090                 | 0.047                  |
| B-24-4.5 Gamma | SAMPLE      | 07/17/08        | 1.230                 | 0.146                  |
| B-24-4.5 Gamma | SAMPLE      | 07/17/08        | 1.230                 | 0.206                  |
| B-24-4.5 Gamma | DUP         | 07/17/08        | 1.200                 | 0.147                  |
| B-25-1.0 Gamma | SAMPLE      | 07/17/08        | U -0.00189            | 0.0375                 |
| B-25-4.0 Gamma | SAMPLE      | 07/17/08        | U -0.0141             | 0.0177                 |
| B-26-1.0 Gamma | SAMPLE      | 07/16/08        | 0.109                 | 0.0494                 |
| B-26-4.0 Gamma | SAMPLE      | 07/16/08        | U -0.00252            | 0.0228                 |
| B-27-1.0 Gamma | SAMPLE      | 07/17/08        | 0.152                 | 0.0732                 |
| B-27-4.0 Gamma | SAMPLE      | 07/17/08        | U 0.00957             | 0.054                  |
| B-28-0.5 Gamma | SAMPLE      | 07/17/08        | U 0.00491             | 0.0241                 |
| B-28-4.5 Gamma | SAMPLE      | 07/17/08        | U -0.00678            | 0.0204                 |
| B-29-0.5 Gamma | SAMPLE      | 07/17/08        | 0.113                 | 0.0674                 |
| B-29-4.5 Gamma | SAMPLE      | 07/17/08        | U 0.00504             | 0.0217                 |
| B-30-1.0 Gamma | SAMPLE      | 07/14/08        | U 0.00886             | 0.0307                 |
| B-30-4.0 Gamma | SAMPLE      | 07/14/08        | U 0.0315              | 0.0503                 |
| B-30-7.0 Gamma | SAMPLE      | 07/14/08        | U -0.017              | 0.0298                 |
| B-31-1.0 Gamma | SAMPLE      | 07/14/08        | U -0.00836            | 0.022                  |
| B-31-4.0 Gamma | SAMPLE      | 07/14/08        | U 0.0241              | 0.0522                 |
| B-32-1.0 Gamma | SAMPLE      | 07/16/08        | U 0.031               | 0.0309                 |



Table 1  
Radiological Soil Sampling Data  
(Cesium-137)  
Humboldt Bay Repowering Project  
Eureka, California

| Sample Number    | Sample Type | Collection Date | Cesium-137<br>(pCi/g) | Uncertainty<br>(pCi/g) |
|------------------|-------------|-----------------|-----------------------|------------------------|
| B-1-0.5 Gamma    | SAMPLE      | 07/15/08        | 0.200                 | 0.0772                 |
| B-32-4.0 Gamma   | SAMPLE      | 07/16/08        | U 0.0137              | 0.0259                 |
| B-32-8.0 Gamma   | SAMPLE      | 07/16/08        | U -0.0174             | 0.0294                 |
| B-33-0.5-Gamma   | SAMPLE      | 07/16/08        | U -0.0054             | 0.0513                 |
| B-33-4.5 Gamma   | SAMPLE      | 07/16/08        | U -0.0382             | 0.0412                 |
| B-34-1.0 Gamma   | SAMPLE      | 07/16/08        | U -0.00795            | 0.0235                 |
| B-34-1.0 Gamma   | DUP         | 07/16/08        | U -0.0593             | 0.0423                 |
| B-34-4.0 Gamma   | SAMPLE      | 07/16/08        | U -0.0176             | 0.0282                 |
| B-34-8.0 Gamma   | SAMPLE      | 07/16/08        | U 0.0108              | 0.0384                 |
| PS-01C-1.0 Gamma | SAMPLE      | 07/15/08        | U -0.00791            | 0.029                  |
| PS-01C-4.0 Gamma | SAMPLE      | 07/15/08        | U 0.0022              | 0.0308                 |
| PS-01C-7.0 Gamma | SAMPLE      | 07/15/08        | U 0.00852             | 0.0287                 |
| PS-02C-0.3 Gamma | SAMPLE      | 07/15/08        | U 0.00702             | 0.0422                 |
| PS-02C-4.5 Gamma | SAMPLE      | 07/15/08        | U 9.82E-06            | 0.0299                 |
| PS-02C-4.5 Gamma | DUP         | 07/15/08        | U 0.0217              | 0.0361                 |
| PS-02C-7.5 Gamma | SAMPLE      | 07/15/08        | U -0.0174             | 0.0442                 |
| PS-06C-0.5 Gamma | SAMPLE      | 07/16/08        | U 0.0195              | 0.0262                 |
| PS-06C-2.0 Gamma | SAMPLE      | 07/16/08        | U 0.00529             | 0.023                  |
| PS-06C-6.5 Gamma | SAMPLE      | 07/16/08        | U -0.00126            | 0.0394                 |
| PS-10C-1.0 Gamma | SAMPLE      | 07/14/08        | U 0.00963             | 0.0333                 |
| PS-10C-4.0 Gamma | SAMPLE      | 07/14/08        | U -0.0209             | 0.035                  |
| PS-10C-7.0 Gamma | SAMPLE      | 07/14/08        | U -0.00809            | 0.0302                 |
| PS-11C-0.3 Gamma | SAMPLE      | 07/16/08        | U -0.0104             | 0.040                  |
| PS-11C-1.5 Gamma | SAMPLE      | 07/16/08        | U -0.00337            | 0.0388                 |
| PS-11C-1.5 Gamma | DUP         | 07/16/08        | U 0.022               | 0.0417                 |
| PS-14C-0.3 Gamma | SAMPLE      | 07/14/08        | U 0.0338              | 0.0374                 |
| PS-14C-4.5 Gamma | SAMPLE      | 07/14/08        | U 0.00679             | 0.037                  |

Table 1  
Radiological Soil Sampling Data  
(Cesium-137)  
Humboldt Bay Repowering Project  
Eureka, California

| Sample Number     | Sample Type | Collection Date | Cesium-137<br>(pCi/g) | Uncertainty<br>(pCi/g) |
|-------------------|-------------|-----------------|-----------------------|------------------------|
| B-1-0.5 Gamma     | SAMPLE      | 07/15/08        | 0.200                 | 0.0772                 |
| PS-14C-7.5 Gamma  | SAMPLE      | 07/14/08        | U -0.00111            | 0.023                  |
| PS-20C-0.3 Gamma  | SAMPLE      | 07/17/08        | UI 0.00               | 0.0463                 |
| PS-20C-4.5 Gamma  | SAMPLE      | 07/17/08        | U 0.00448             | 0.0245                 |
| PS-21C-0.3 Gamma  | SAMPLE      | 07/17/08        | 0.199                 | 0.042                  |
| PS-21C-4.5 Gamma  | SAMPLE      | 07/17/08        | UI 0.00               | 0.0413                 |
| PS-23AC-1.0 Gamma | SAMPLE      | 07/16/08        | U -0.00992            | 0.0426                 |
| PS-23AC-4.0 Gamma | SAMPLE      | 07/16/08        | U 0.00902             | 0.0335                 |
| PS-23BC-0.5 Gamma | SAMPLE      | 07/16/08        | U 0.0141              | 0.0223                 |

Notes:

U = not detected

UI = Uncertain identification

pCi/g = picocuries per gram

B-24-4.5 Gamma was the only soil sample with a detected Cesium-137 concentration above 0.5 pCi/g.

Table 2  
Radiological Soil Sampling Data  
(Isotopes Other than Cesium-137)

Humboldt Bay Repowering Project  
Eureka, California

| Sample Number  | Sample Type | Collection Date | Actinium-228<br>(pCi/g) | Uncertainty<br>(pCi/g) | Americium-241<br>(pCi/g) | Uncertainty<br>(pCi/g) | Antimony-124<br>(pCi/g) | Uncertainty<br>(pCi/g) | Antimony-125<br>(pCi/g) | Uncertainty<br>(pCi/g) | Barium-133<br>(pCi/g) | Uncertainty<br>(pCi/g) |
|----------------|-------------|-----------------|-------------------------|------------------------|--------------------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|-----------------------|------------------------|
| B-24-4.5 Gamma | SAMPLE      | 07/17/08        | UI 0.00                 | 0.357                  | U -0.0245                | 0.059                  | U 0.026                 | 0.142                  | U 0.0368                | 0.139                  | U 0.0427              | 0.0705                 |
| B-24-4.5 Gamma | DUP         | 07/17/08        | UI 0.00                 | 0.279                  | U -0.0242                | 0.147                  | U 0.0494                | 0.0687                 | U 0.0619                | 0.0993                 | U 0.0236              | 0.0505                 |

Notes:

U = not detected

UI = Uncertain identification

Table 2  
Radiological Soil Sampling Data  
(Isotopes Other than Cesium-137)

Humboldt Bay Repowering Project  
Eureka, California

| Sample Number  | Sample Type | Collection Date | Barium-140<br>(pCi/g) | Uncertainty<br>(pCi/g) | Beryllium-7<br>(pCi/g) | Uncertainty<br>(pCi/g) | Bismuth-212<br>(pCi/g) | Uncertainty<br>(pCi/g) | Bismuth-214<br>(pCi/g) | Uncertainty<br>(pCi/g) | Cerium-139<br>(pCi/g) | Uncertainty<br>(pCi/g) |
|----------------|-------------|-----------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|
| B-24-4.5 Gamma | SAMPLE      | 07/17/08        | U 0.289               | 0.456                  | U -0.195               | 0.499                  | U 0.311                | 0.467                  | UI 0.00                | 0.232                  | U -0.0109             | 0.0349                 |
| B-24-4.5 Gamma | DUP         | 07/17/08        | U 0.183               | 0.391                  | U -0.398               | 0.398                  | U 0.199                | 0.341                  | UI 0.00                | 0.124                  | U -0.00143            | 0.0252                 |

Notes:

U = not detected

UI = Uncertain identification

Table 2  
Radiological Soil Sampling Data  
(Isotopes Other than Cesium-137)

Humboldt Bay Repowering Project  
Eureka, California

| Sample Number  | Sample Type | Collection Date | Cerium-141<br>(pCi/g) | Uncertainty<br>(pCi/g) | Cerium-144<br>(pCi/g) | Uncertainty<br>(pCi/g) | Cesium-134<br>(pCi/g) | Uncertainty<br>(pCi/g) | Cesium-136<br>(pCi/g) | Uncertainty<br>(pCi/g) | Chromium-51<br>(pCi/g) | Uncertainty<br>(pCi/g) |
|----------------|-------------|-----------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|
| B-24-4.5 Gamma | SAMPLE      | 07/17/08        | U 0.0285              | 0.0859                 | U -0.232              | 0.214                  | U -0.0103             | 0.0597                 | U -0.074              | 0.231                  | U 0.456                | 0.580                  |
| B-24-4.5 Gamma | DUP         | 07/17/08        | U 0.0332              | 0.0563                 | U -0.073              | 0.181                  | U 0.00798             | 0.0429                 | U 0.0295              | 0.163                  | U -0.43                | 0.446                  |

Notes:

U = not detected

UI = Uncertain identification

Table 2  
Radiological Soil Sampling Data  
(Isotopes Other than Cesium-137)

Humboldt Bay Repowering Project  
Eureka, California

| Sample Number  | Sample Type | Collection Date | Cobalt-56<br>(pCi/g) | Uncertainty<br>(pCi/g) | Cobalt-57<br>(pCi/g) | Uncertainty<br>(pCi/g) | Cobalt-58<br>(pCi/g) | Uncertainty<br>(pCi/g) | Cobalt-60<br>(pCi/g) | Uncertainty<br>(pCi/g) | Europium-152<br>(pCi/g) | Uncertainty<br>(pCi/g) |
|----------------|-------------|-----------------|----------------------|------------------------|----------------------|------------------------|----------------------|------------------------|----------------------|------------------------|-------------------------|------------------------|
| B-24-4.5 Gamma | SAMPLE      | 07/17/08        | U 0.0501             | 0.063                  | U -0.03              | 0.0258                 | U -0.0239            | 0.0669                 | U -0.0273            | 0.0607                 | U -0.0119               | 0.145                  |
| B-24-4.5 Gamma | DUP         | 07/17/08        | U -0.00669           | 0.0435                 | U -0.0122            | 0.0198                 | U 0.0368             | 0.0514                 | U -0.00413           | 0.0411                 | U 0.00413               | 0.0981                 |

Notes:

U = not detected

UI = Uncertain identification

Table 2  
Radiological Soil Sampling Data  
(Isotopes Other than Cesium-137)

Humboldt Bay Repowering Project  
Eureka, California

| Sample Number  | Sample Type | Collection Date | Europium-154<br>(pCi/g) | Uncertainty<br>(pCi/g) | Europium-155<br>(pCi/g) | Uncertainty<br>(pCi/g) | Iridium-192<br>(pCi/g) | Uncertainty<br>(pCi/g) | Iron-59<br>(pCi/g) | Uncertainty<br>(pCi/g) | Lead-210<br>(pCi/g) | Uncertainty<br>(pCi/g) |
|----------------|-------------|-----------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|--------------------|------------------------|---------------------|------------------------|
| B-24-4.5 Gamma | SAMPLE      | 07/17/08        | U -0.021                | 0.184                  | U -0.0637               | 0.0968                 | U -0.0351              | 0.049                  | U 0.0447           | 0.156                  | U 0.521             | 0.950                  |
| B-24-4.5 Gamma | DUP         | 07/17/08        | U -0.0795               | 0.120                  | U 0.0755                | 0.087                  | U 0.0117               | 0.0367                 | U -0.0472          | 0.0984                 | U 1.54              | 4.81                   |

Notes:

U = not detected

UI = Uncertain identification

Table 2  
Radiological Soil Sampling Data  
(Isotopes Other than Cesium-137)

Humboldt Bay Repowering Project  
Eureka, California

| Sample Number  | Sample Type | Collection Date | Lead-212<br>(pCi/g) | Uncertainty<br>(pCi/g) | Lead-214<br>(pCi/g) | Uncertainty<br>(pCi/g) | Manganese-54<br>(pCi/g) | Uncertainty<br>(pCi/g) | Mercury-203<br>(pCi/g) | Uncertainty<br>(pCi/g) | Neodymium-147<br>(pCi/g) | Uncertainty<br>(pCi/g) |
|----------------|-------------|-----------------|---------------------|------------------------|---------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|--------------------------|------------------------|
| B-24-4.5 Gamma | SAMPLE      | 07/17/08        | 0.456               | 0.128                  | 0.442               | 0.144                  | U -0.0285               | 0.0578                 | U -0.0488              | 0.0556                 | U 0.0155                 | 1.09                   |
| B-24-4.5 Gamma | DUP         | 07/17/08        | UI 0.00             | 0.138                  | 0.318               | 0.128                  | U 0.0244                | 0.0474                 | U 0.0279               | 0.0433                 | U -0.339                 | 0.989                  |

Notes:

U = not detected

UI = Uncertain identification



Table 2  
Radiological Soil Sampling Data  
(Isotopes Other than Cesium-137)

Humboldt Bay Repowering Project  
Eureka, California

| Sample Number  | Sample Type | Collection Date | Neptunium-239<br>(pCi/g) | Uncertainty<br>(pCi/g) | Niobium-94<br>(pCi/g) | Uncertainty<br>(pCi/g) | Niobium-95<br>(pCi/g) | Uncertainty<br>(pCi/g) | Potassium-40<br>(pCi/g) | Uncertainty<br>(pCi/g) | Promethium-144<br>(pCi/g) | Uncertainty<br>(pCi/g) |
|----------------|-------------|-----------------|--------------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|-------------------------|------------------------|---------------------------|------------------------|
| B-24-4.5 Gamma | SAMPLE      | 07/17/08        | U -0.162                 | 0.190                  | U -0.00447            | 0.0574                 | U -0.0684             | 0.0899                 | 9.02                    | 1.50                   | U 0.0318                  | 0.0604                 |
| B-24-4.5 Gamma | DUP         | 07/17/08        | U -0.0258                | 0.139                  | U -0.00647            | 0.0362                 | U 0.0779              | 0.0589                 | 7.19                    | 1.39                   | U 0.0114                  | 0.0382                 |

Notes:

U = not detected

UI = Uncertain identification

Table 2  
Radiological Soil Sampling Data  
(Isotopes Other than Cesium-137)

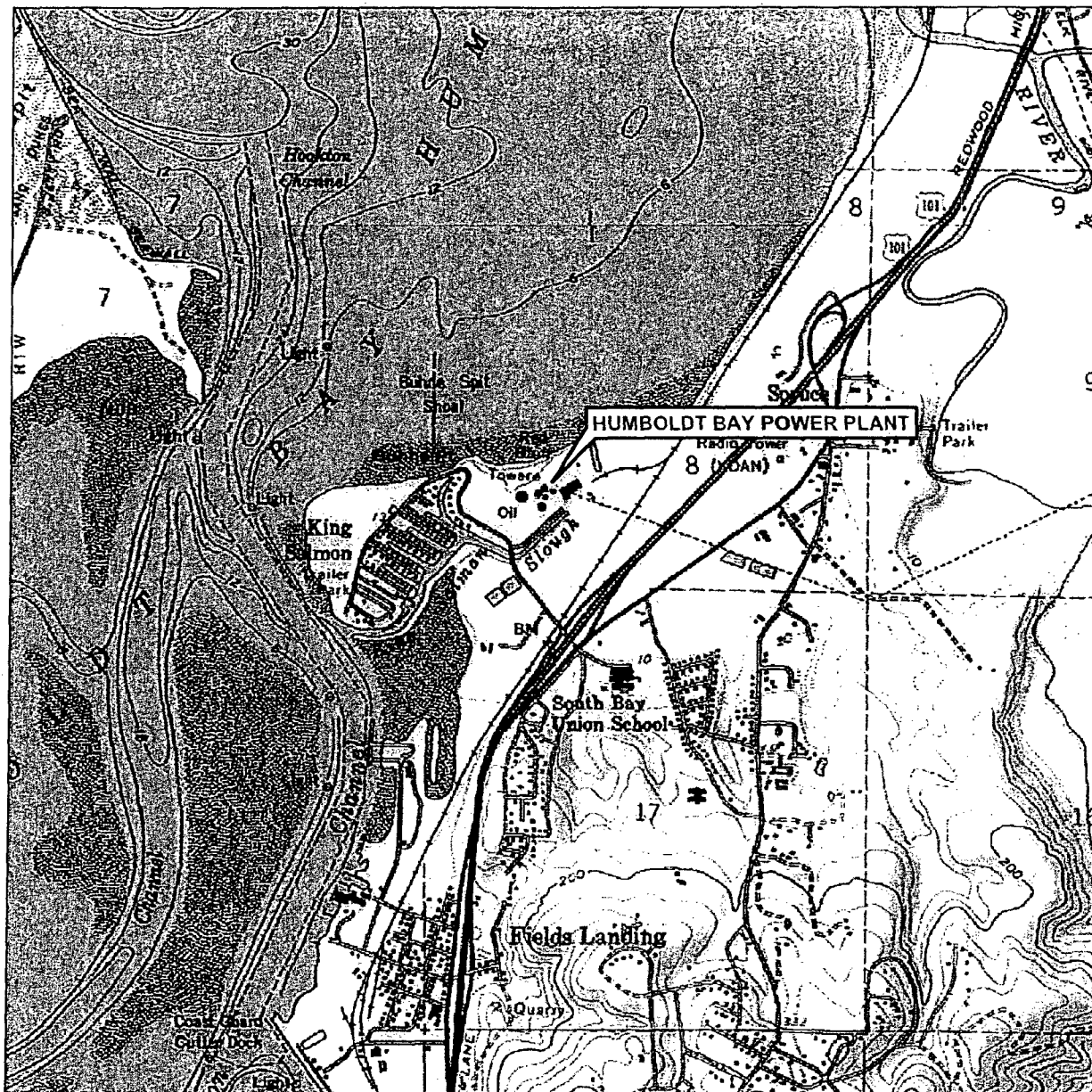
Humboldt Bay Repowering Project  
Eureka, California

| Sample Number  | Sample Type | Collection Date | Promethium-146<br>(pCi/g) | Uncertainty<br>(pCi/g) | Radium-226<br>(pCi/g) | Uncertainty<br>(pCi/g) | Radium-228<br>(pCi/g) | Uncertainty<br>(pCi/g) | Ruthenium-106<br>(pCi/g) | Uncertainty<br>(pCi/g) | Silver-110m<br>(pCi/g) | Uncertainty<br>(pCi/g) |
|----------------|-------------|-----------------|---------------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|--------------------------|------------------------|------------------------|------------------------|
| B-24-4.5 Gamma | SAMPLE      | 07/17/08        | U -0.0195                 | 0.0645                 | 0.345                 | 0.232                  | UI 0.00               | 0.357                  | U -0.191                 | 0.479                  | U 0.0353               | 0.0627                 |
| B-24-4.5 Gamma | DUP         | 07/17/08        | U -0.00427                | 0.0518                 | 0.427                 | 0.124                  | UI 0.00               | 0.279                  | U -0.00615               | 0.334                  | U -0.00305             | 0.0435                 |

Notes:

U = not detected

UI = Uncertain identification



1 MILE 3/4 1/2 1/4 0 1 MILE

SCALE 1 : 24,000



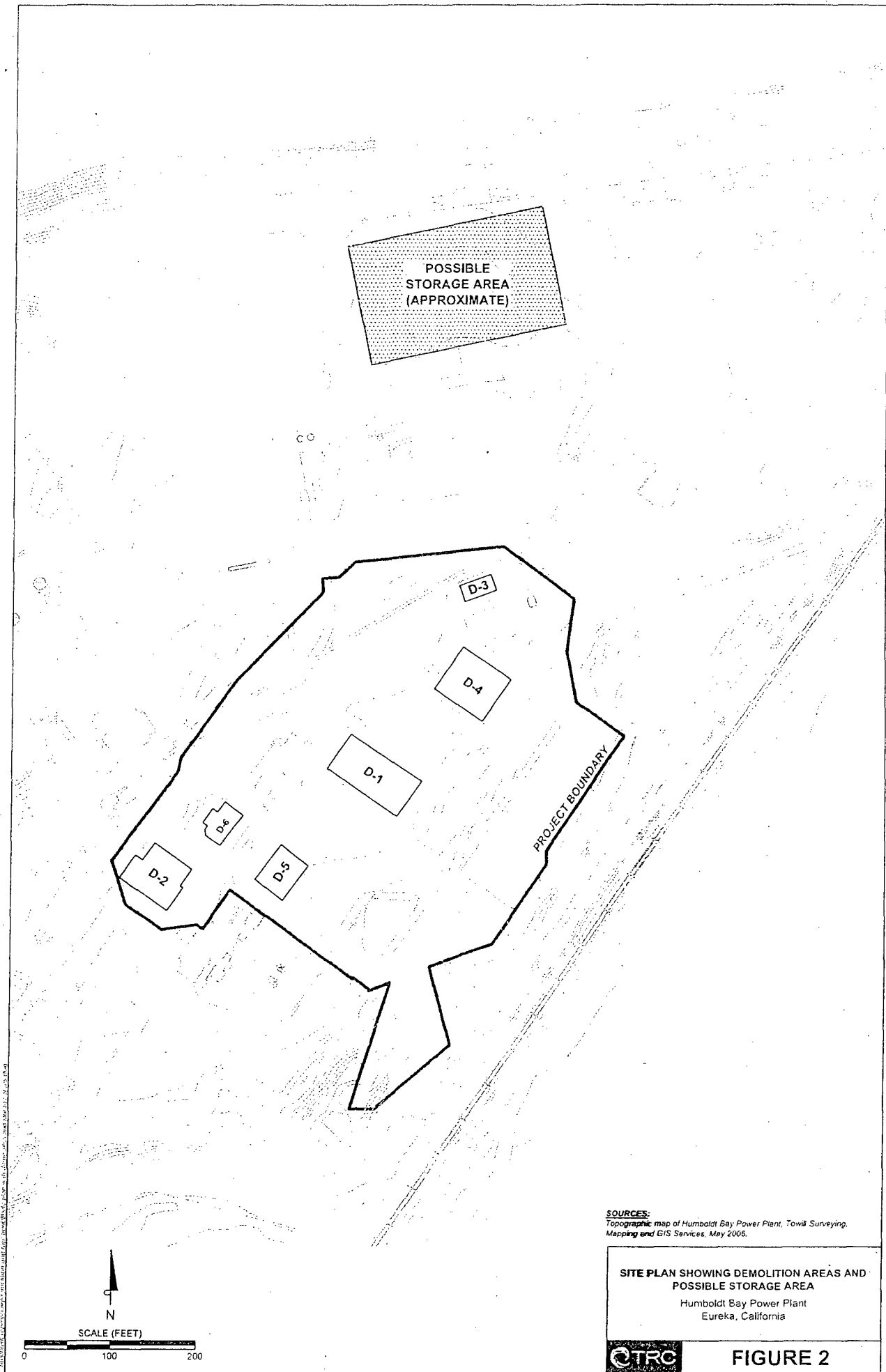
SOURCE:  
UNITED STATES GEOLOGICAL SURVEY  
7.5 MINUTE TOPOGRAPHIC MAPS:  
FIELDS LANDING QUADRANGLE,  
CALIFORNIA

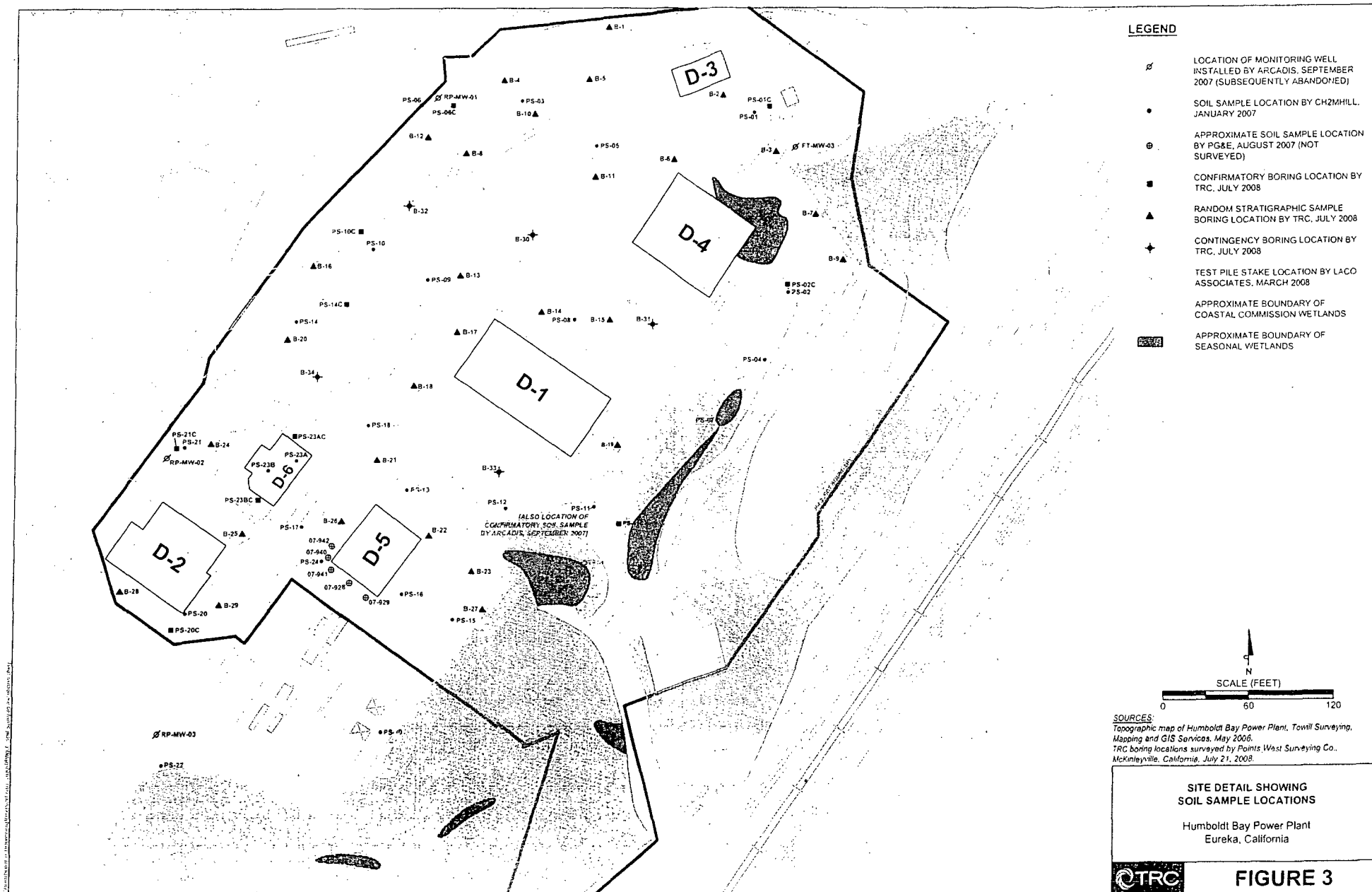
#### VICINITY MAP

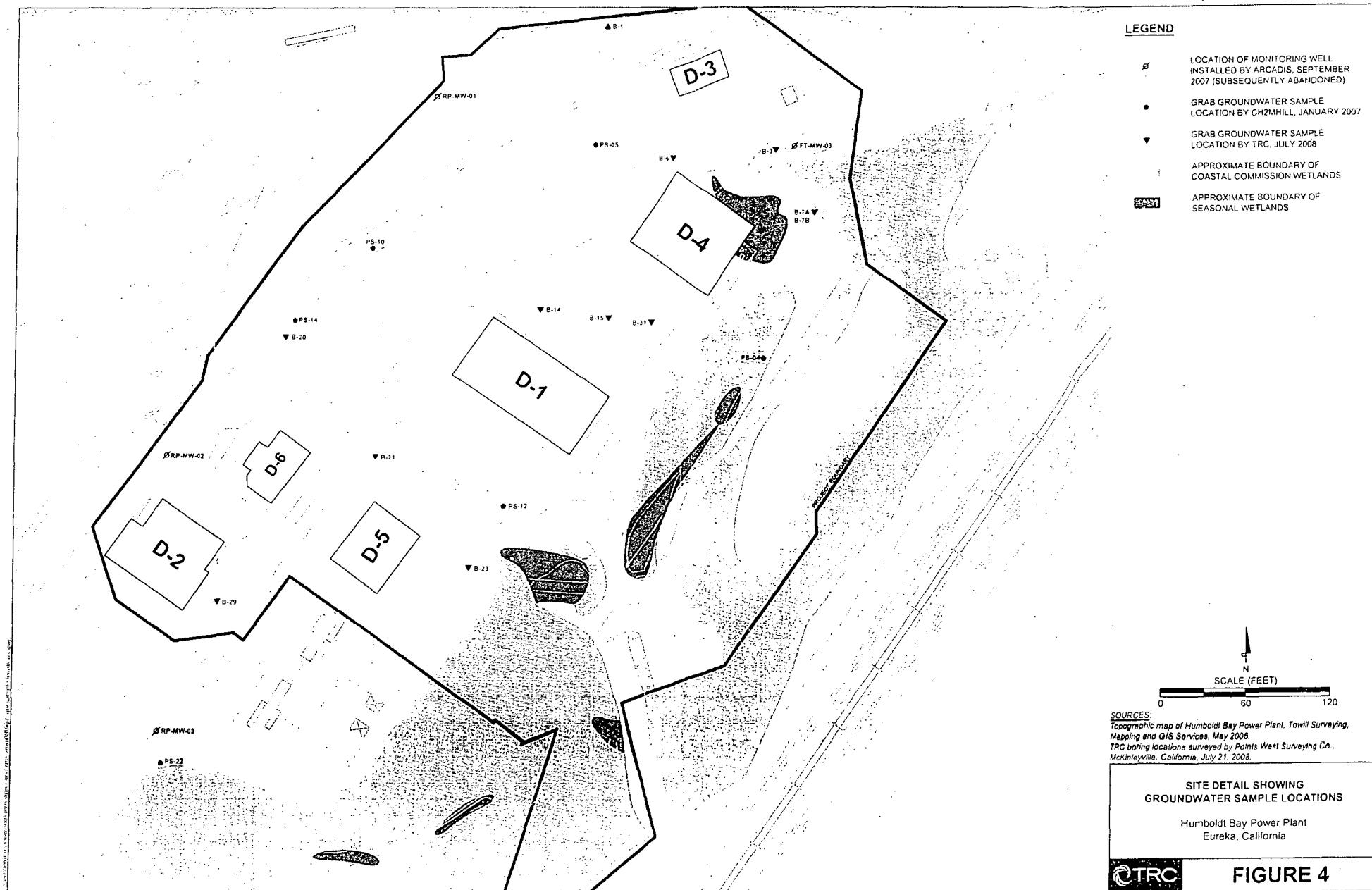
Humboldt Bay Power Plant  
Eureka, California

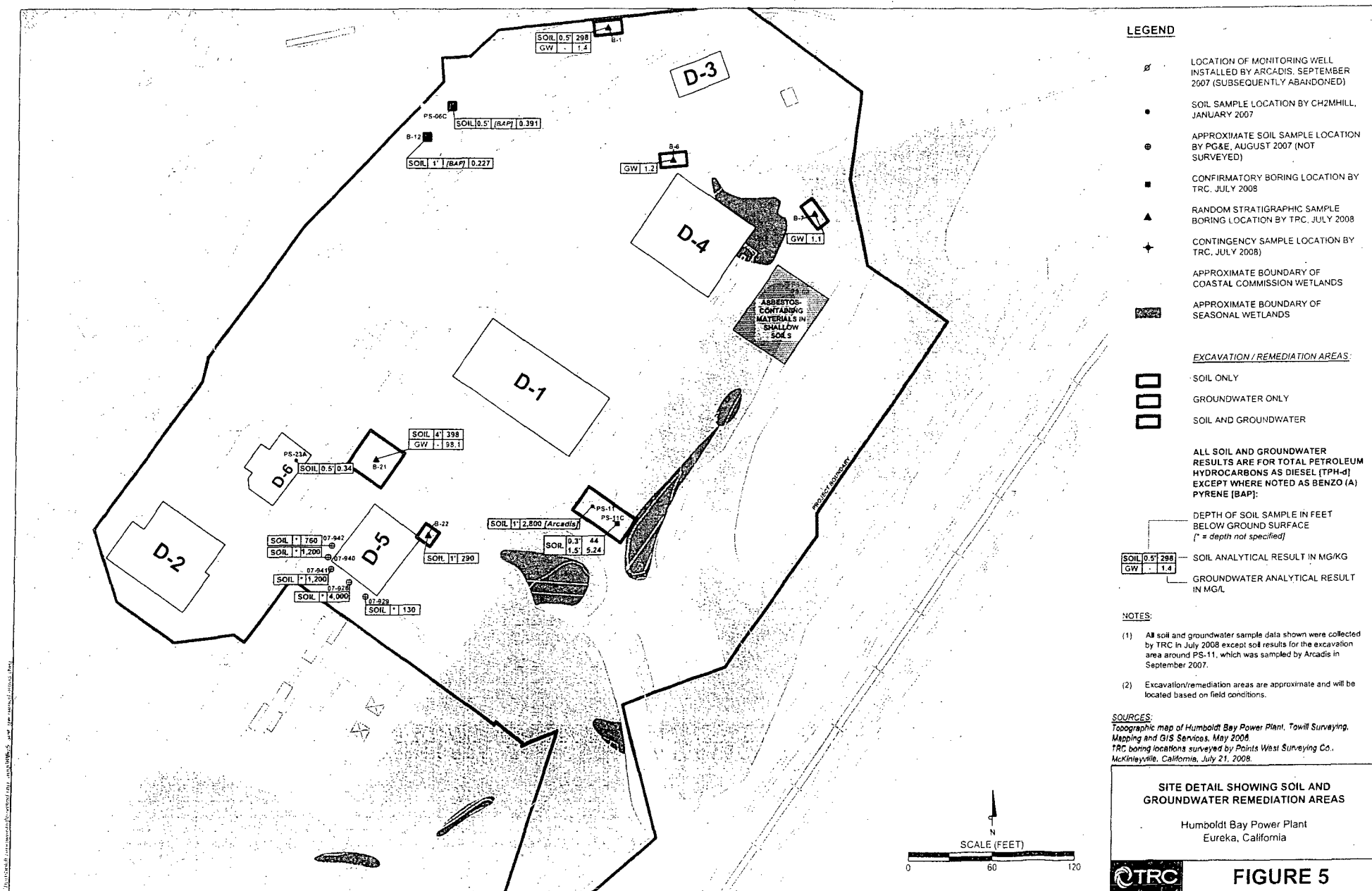


FIGURE 1









## FIELD SCREENING RESULTS



| Purpose of Survey : Soil Characterization Bore Samples - Marinelli Screen Only |            |               |                 |       |                  |                               |                  |           |                        |                        |                 |          | Date                  | 7/14/2008             |                 |
|--|------------|---------------|-----------------|-------|------------------|-------------------------------|------------------|-----------|------------------------|------------------------|-----------------|----------|-----------------------|-----------------------|-----------------|
| Surveyed by: Phyllis Morrison  |            |               |                 |       |                  |                               |                  |           |                        |                        |                 |          | Signature:            | Reviewed By:          |                 |
| Log Number   |            |               |                 |       |                  |                               |                  |           |                        |                        |                 |          | 08-050                |                       |                 |
|  | Instrument | Serial Number | Calibration Due | Probe | Count Time (Min) | Probe Area (cm <sup>2</sup> ) | Alpha Bkgd (cpm) | Alpha Eff | Alpha Static MDA (dpm) | Alpha Scaler MDA (dpm) | Beta Bkgd (cpm) | Beta Eff | Beta Static MDA (dpm) | Beta Scaler MDA (dpm) | Gamma Bkgd. CPM |
| 1  | Lud 2221   | 211772        | 5/12/2009       | Nal   | 1                | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | 1557            |
| 2  | Detector   | 206815        | 5/12/2009       | Nal   | 1                | 2x2                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A             |
| 3  | N/A        | N/A           | N/A             | N/A   | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A             |
| 4  | N/A        | N/A           | N/A             | N/A   | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A             |
| 5  | N/A        | N/A           | N/A             | N/A   | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A             |

| Remarks: |         |               |                   |          |              |      |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     |     |
|----------|---------|---------------|-------------------|----------|--------------|------|----------------|--------------------------|--------------------|--------------------------|-------------------|--------------------------|--------------------|----------------------|-------|-----|--|--|--|--|--|--|-----|-----|
| Smear #  | Inst. # | Bore Location | Sample Bore Depth |          | Gamma Screen |      | Removable Beta |                          | Total Static Alpha |                          | Total Static Beta |                          | By Dose Rate       |                      | NOTES |     |  |  |  |  |  |  |     |     |
|          |         |               | Feet              | Y Coord. | Net CPM      | CCPM | Net CPM        | DPM / 100cm <sup>2</sup> | Gross CPM          | DPM / 100cm <sup>2</sup> | Gross CPM         | DPM / 100cm <sup>2</sup> | Contact $\mu$ R/hr | Gen. Area $\mu$ R/hr |       |     |  |  |  |  |  |  |     |     |
| N/A      | 1       | B-13          | 0.50              |          | 1908         | 351  |                |                          |                    |                          |                   |                          |                    |                      | 4     | N/A |  |  |  |  |  |  |     |     |
| N/A      | 1       | B-13          | 4.5               |          | 1789         | 232  |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     |     |
| N/A      | 1       | B-13          | 7.5               |          | 1877         | 320  |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     |     |
| N/A      | 1       | B-14          | 0.5               |          | 1826         | 269  |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     |     |
| N/A      | 1       | B-14          | 4.5               |          | 1631         | 74   |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     |     |
| N/A      | 1       | B-14          | 7.5               |          | 1794         | 237  |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     |     |
| N/A      | 1       | B-15          | 1.0               |          | 1706         | 149  |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     |     |
| N/A      | 1       | B-15          | 4.0               |          | 1749         | 192  |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     |     |
| N/A      | 1       | B-15          | 7.0               |          | N/A          | N/A  |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  | Wet |     |
| N/A      | 1       | B-16          | 1.0               |          | 1943         | 386  |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     |     |
| N/A      | 1       | B-16          | 4.0               |          | 1957         | 400  |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     |     |
| N/A      | 1       | B-16          | 7.0               |          | 1741         | 184  |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     |     |
| N/A      | 1       | B-17          | 0.5               |          | 1866         | 309  |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     |     |
| N/A      | 1       | B-17          | 4.5               |          | 1893         | 336  |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     |     |
| N/A      | 1       | B-17          | 7.0               |          | N/A          | N/A  |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     | Wet |
| N/A      | 1       | B-20          | 0.5               |          | 1871         | 314  |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     |     |
| N/A      | 1       | B-20          | 4.5               |          | 1846         | 289  |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     |     |
| N/A      | 1       | B-20          | 7.5               | 2012     | 455          |      |                |                          |                    |                          |                   |                          |                    |                      |       |     |  |  |  |  |  |  |     |     |

| Purpose of Survey: Soil Characterization Bore Samples - Marinelli Screen Only |               |                 |           |                  |                               |                  |            |                        |                        |                 |           |                       | Date                  | 7/14/2008       |
|---|---------------|-----------------|-----------|------------------|-------------------------------|------------------|------------|------------------------|------------------------|-----------------|-----------|-----------------------|-----------------------|-----------------|
| Surveyed by: Phyllis Morrison   |               |                 |           |                  |                               |                  |            |                        |                        |                 |           |                       | Log Number:           | 08-050          |
| Signature:  |               |                 |           |                  |                               |                  |            |                        |                        |                 |           |                       | Reviewed By:          |                 |
| Instrument  | Serial Number | Calibration Due | Probe     | Count Time (Min) | Probe Area (cm <sup>2</sup> ) | Alpha Bkgd (cpm) | Alpha Eff. | Alpha Static MDA (dpm) | Alpha Scalar MDA (dpm) | Beta Bkgd (cpm) | Beta Eff. | Beta Static MDA (dpm) | Beta Scalar MDA (dpm) | Gamma Bkgd. CPM |
| 1   | Lud 2221      | 211772          | 5/12/2009 | Nal              | 1                             | N/A              | N/A        | N/A                    | N/A                    | N/A             | N/A       | N/A                   | N/A                   | 1557            |
| 2   | Detector      | 206815          | 5/12/2009 | Nal              | 1                             | 2x2              | N/A        | N/A                    | N/A                    | N/A             | N/A       | N/A                   | N/A                   | N/A             |
| 3   | N/A           | N/A             | N/A       | N/A              | N/A                           | N/A              | N/A        | N/A                    | N/A                    | N/A             | N/A       | N/A                   | N/A                   | N/A             |
| 4   | N/A           | N/A             | N/A       | N/A              | N/A                           | N/A              | N/A        | N/A                    | N/A                    | N/A             | N/A       | N/A                   | N/A                   | N/A             |
| 5   | N/A           | N/A             | N/A       | N/A              | N/A                           | N/A              | N/A        | N/A                    | N/A                    | N/A             | N/A       | N/A                   | N/A                   | N/A             |

Remarks:

|         |         |               | Sample Bore Depth |           | Gamma Screen |      | Removable Beta |                          | Total Static Alpha |                          | Total Static Beta |                          | by Dose Rate       |                      | NOTES |
|---------|---------|---------------|-------------------|-----------|--------------|------|----------------|--------------------------|--------------------|--------------------------|-------------------|--------------------------|--------------------|----------------------|-------|
| Smear # | Inst. # | Bore Location | Feet              | Y. Coord. | Net CPM      | CCPM | Net CPM        | DPM / 100cm <sup>2</sup> | Gross CPM          | DPM / 100cm <sup>2</sup> | Gross CPM         | DPM / 100cm <sup>2</sup> | Contact $\mu$ R/hr | Gen. Area $\mu$ R/hr |       |
| N/A     | 1       | B-30          | 1.0               |           | 1847         | 290  |                |                          |                    |                          |                   |                          |                    | 4                    |       |
| N/A     | 1       | B-30          | 4.0               |           | 1776         | 219  |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-30          | 7.0               |           | 1876         | 319  |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-31          | 1.0               |           | 1778         | 221  |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-31          | 4.0               |           | 1607         | 50   |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-31          | 7.0               |           | N/A          | N/A  |                |                          |                    |                          |                   |                          |                    |                      | Wet   |
| N/A     | 1       | PS-10C        | 1.0               |           | 2005         | 448  |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | PS-10C        | 4.0               |           | 1982         | 425  |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | PS-10C        | 7.0               |           | 1892         | 335  |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | PS-14C        | 0.3               |           | 1897         | 340  |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | PS-14C        | 4.5               |           | 1946         | 389  |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | PS-14C        | 7.5               |           | 2094         | 537  |                |                          |                    |                          |                   |                          |                    |                      |       |

Notes: 1. Release Limit = 3(bkgd cpm) = 3(1557 cpm) = 4671 cpm

2. MDA = 1757 net cpm (200 cpm above background).

3. Response factor is 350 cpm/pCi/gm of Cs137

4. Outside of marinelli containers wiped with masselin - masselin counted - no activity above background detected.

| Purpose of Survey : <b>Soil Characterization Bore Samples - Marinelli Screen Only</b> |            |               |                 |       |                  |                               |                  |           |                        |                        |                 |          | Date                  | 7/15/2008             |                |
|---|------------|---------------|-----------------|-------|------------------|-------------------------------|------------------|-----------|------------------------|------------------------|-----------------|----------|-----------------------|-----------------------|----------------|
|   |            |               |                 |       |                  |                               |                  |           |                        |                        |                 |          | Log Number            | 08-051                |                |
| Surveyed by: <b>Phyllis Morrison</b>  |            |               |                 |       |                  |                               |                  |           | Signature:             |                        | Reviewed By:    |          |                       |                       |                |
|   | Instrument | Serial Number | Calibration Due | Probe | Count Time (Min) | Probe Area (cm <sup>2</sup> ) | Alpha Bkgd (cpm) | Alpha Eff | Alpha Static MDA (dpm) | Alpha Scaler MDA (dpm) | Beta Bkgd (cpm) | Beta Eff | Beta Static MDA (dpm) | Beta Scaler MDA (dpm) | Gamma Bkgd CPM |
| 1   | Lud 2221   | 211772        | 5/12/2009       | Nal   | 1                | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | 1699           |
| 2   | Detector   | 206815        | 5/12/2009       | Nal   | 1                | 2x2                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A            |
| 3   | Model 12   | 78697         | 5/12/2009       | GM    | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | 40             |
| 4   | N/A        | N/A           | N/A             | N/A   | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A            |
| 5   | N/A        | N/A           | N/A             | N/A   | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A            |

| Remarks: |         |               |                   |          |              |       |                |                        |                    |                        |                   |                        |                    |                     |  |       |
|----------|---------|---------------|-------------------|----------|--------------|-------|----------------|------------------------|--------------------|------------------------|-------------------|------------------------|--------------------|---------------------|--|-------|
| Smear #  | Inst. # | Bore Location | Sample Bore Depth |          | Gamma Screen |       | Removable Beta |                        | Total Static Alpha |                        | Total Static Beta |                        | Dose Rate          |                     |  | NOTES |
|          |         |               | Feet              | Y Coord. | Net CPM      | CCPM  | Net CPM        | DPM/100cm <sup>2</sup> | Gross CPM          | DPM/100cm <sup>2</sup> | Gross CPM         | DPM/100cm <sup>2</sup> | Contact $\mu$ R/hr | Gen Area $\mu$ R/hr |  |       |
| N/A      | 1       | B-1           | 0.5               |          | 1922         | 223   |                |                        |                    |                        |                   |                        |                    | 4                   |  | N/A   |
| N/A      | 1       | B-1           | 4.5               |          | 2874         | 1175  |                |                        |                    |                        |                   |                        |                    |                     |  |       |
| N/A      | 1       | B-1           | 7.5               |          | NA           | NA    |                |                        |                    |                        |                   |                        |                    |                     |  | Wet   |
| N/A      | 1       | B-2           | 1.0               |          | 1853         | 154   |                |                        |                    |                        |                   |                        |                    |                     |  |       |
| N/A      | 1       | B-2           | 4.0               |          | 1710         | 11    |                |                        |                    |                        |                   |                        |                    |                     |  |       |
| N/A      | 1       | B-2           | 7.0               |          | 2085         | 386   |                |                        |                    |                        |                   |                        |                    |                     |  |       |
| N/A      | 1       | B-3           | 1.0               |          | 1647         | <Bkgd |                |                        |                    |                        |                   |                        |                    |                     |  |       |
| N/A      | 1       | B-3           | 4.0               |          | 1659         | <Bkgd |                |                        |                    |                        |                   |                        |                    |                     |  |       |
| N/A      | 1       | B-3           | 7.0               |          | NA           | NA    |                |                        |                    |                        |                   |                        |                    |                     |  | Wet   |
| N/A      | 1       | B-5           | 0.5               |          | 1870         | 171   |                |                        |                    |                        |                   |                        |                    |                     |  |       |
| N/A      | 1       | B-5           | 4.5               |          | 1965         | 266   |                |                        |                    |                        |                   |                        |                    |                     |  |       |
| N/A      | 1       | B-5           | 7.5               |          | NA           | NA    |                |                        |                    |                        |                   |                        |                    |                     |  | Wet   |
| N/A      | 1       | B-6           | 1.0               |          | 1609         | <Bkgd |                |                        |                    |                        |                   |                        |                    |                     |  |       |
| N/A      | 1       | B-6           | 4.0               |          | 1469         | <Bkgd |                |                        |                    |                        |                   |                        |                    |                     |  |       |
| N/A      | 1       | B-6           | 7.0               |          | 1631         | <Bkgd |                |                        |                    |                        |                   |                        |                    |                     |  |       |
| N/A      | 1       | B-7           | 0.5               |          | 1835         | 136   |                |                        |                    |                        |                   |                        |                    |                     |  |       |
| N/A      | 1       | B-7           | 4.5               |          | 1765         | 66    |                |                        |                    |                        |                   |                        |                    |                     |  |       |
| N/A      | 1       | B-7           | 7.5               |          | 1805         | 106   |                |                        |                    |                        |                   |                        |                    |                     |  |       |

| Purpose of Survey : <b>Soil Characterization Bore Samples - Marinelli Screen Only</b> |               |                 |           |                  |                               |                  |           |                        |                        | Date            | 7/15/2008    |                       |                       |                |  |
|---|---------------|-----------------|-----------|------------------|-------------------------------|------------------|-----------|------------------------|------------------------|-----------------|--------------|-----------------------|-----------------------|----------------|--|
|   |               |                 |           |                  |                               |                  |           |                        |                        | Log Number      | 08-051       |                       |                       |                |  |
| Surveyed by: <b>Phyllis Morrison</b>  |               |                 |           |                  |                               |                  |           |                        | Signature:             |                 | Reviewed By: |                       |                       |                |  |
| Instrument  | Serial Number | Calibration Due | Probe     | Count Time (Min) | Probe Area (cm <sup>2</sup> ) | Alpha Bkgd (cpm) | Alpha Eff | Alpha Static MDA (dpm) | Alpha Scaler MDA (dpm) | Beta Bkgd (cpm) | Beta Eff     | Beta Static MDA (dpm) | Beta Scaler MDA (dpm) | Gamma Bkgd CPM |  |
| 1   | Lud 2221      | 211772          | 5/12/2009 | Nal              | 1                             | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A          | N/A                   | N/A                   | 1699           |  |
| 2   | Detector      | 206815          | 5/12/2009 | Nal              | 1                             | 2x2              | N/A       | N/A                    | N/A                    | N/A             | N/A          | N/A                   | N/A                   | N/A            |  |
| 3   | Model 12      | 78697           | 5/12/2009 | GM               | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A          | N/A                   | N/A                   | 40             |  |
| 4   | N/A           | N/A             | N/A       | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A          | N/A                   | N/A                   | N/A            |  |
| 5   | N/A           | N/A             | N/A       | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A          | N/A                   | N/A                   | N/A            |  |

Remarks:

| Smear # | Inst. # | Bore Location | Sample Bore Depth |         | Gamma Screen |       | Removable Beta |                        | Total Static Alpha |                        | Total Static Beta |                        | By Dose Rate       |                     | NOTES |
|---------|---------|---------------|-------------------|---------|--------------|-------|----------------|------------------------|--------------------|------------------------|-------------------|------------------------|--------------------|---------------------|-------|
|         |         |               | Feet              | Y Coord | Net CPM      | CCPM  | Net CPM        | DPM/100cm <sup>2</sup> | Gross CPM          | DPM/100cm <sup>2</sup> | Gross CPM         | DPM/100cm <sup>2</sup> | Contact $\mu$ R/hr | Gen Area $\mu$ R/hr |       |
| N/A     | 1       | B-9           | 0.5               |         | 1806         | 107   |                |                        |                    |                        |                   |                        |                    | 4                   |       |
| N/A     | 1       | B-9           | 4.5               |         | 1795         | 96    |                |                        |                    |                        |                   |                        |                    |                     |       |
| N/A     | 1       | B-9           | 7.5               |         | 1676         | <Bkgd |                |                        |                    |                        |                   |                        |                    |                     |       |
| N/A     | 1       | B-11          | 1.0               |         | 1856         | 157   |                |                        |                    |                        |                   |                        |                    |                     |       |
| N/A     | 1       | B-11          | 4.0               |         | 2502         | 803   |                |                        |                    |                        |                   |                        |                    |                     |       |
| N/A     | 1       | B-11          | 7.0               |         | 2533         | 834   |                |                        |                    |                        |                   |                        |                    |                     |       |
| N/A     | 1       | PS-01C        | 1.0               |         | 1633         | <Bkgd |                |                        |                    |                        |                   |                        |                    |                     |       |
| N/A     | 1       | PS-01C        | 4.0               |         | 1607         | <Bkgd |                |                        |                    |                        |                   |                        |                    |                     |       |
| N/A     | 1       | PS-01C        | 7.0               |         | 1760         | 61    |                |                        |                    |                        |                   |                        |                    |                     |       |
| N/A     | 1       | PS-02C        | 0.5               |         | 1818         | 119   |                |                        |                    |                        |                   |                        |                    |                     |       |
| N/A     | 1       | PS-02C        | 4.5               |         | 1833         | 134   |                |                        |                    |                        |                   |                        |                    |                     |       |
| N/A     | 1       | PS-02C        | 7.5               |         | 1783         | 84    |                |                        |                    |                        |                   |                        |                    |                     |       |

Notes: 1. Release Limit = 3(bkgd cpm) = 3(1699 cpm) = 5097 cpm

2. MDA = 1899 net cpm (200 cpm above background).

3. Response factor is 350 cpm/pCi/gm of Cs137

4. Outside of marinelli containers wiped with masselin - masselin counted - no activity above background detected.

5. Background taken in air and repeated at least three times during the day.

| Purpose of Survey : <b>Soil Characterization Bore Samples - Marinelli Screen Only</b> |            |               |                 |       |                  |                               |                  |           |                        |                        |                 |          | Date                  | 7/16/2008             |                |      |
|---|------------|---------------|-----------------|-------|------------------|-------------------------------|------------------|-----------|------------------------|------------------------|-----------------|----------|-----------------------|-----------------------|----------------|------|
| Surveyed by: <b>Phyllis Morrison</b>  |            |               |                 |       |                  |                               |                  |           |                        |                        |                 |          | Signature:            | Reviewed By:          |                |      |
| Log Number  |            |               |                 |       |                  |                               |                  |           |                        |                        |                 |          | 08-054                |                       |                |      |
|   | Instrument | Serial Number | Calibration Due | Probe | Count Time (Min) | Probe Area (cm <sup>2</sup> ) | Alpha Bkgd (cpm) | Alpha Eff | Alpha Static MDA (dpm) | Alpha Scaler MDA (dpm) | Beta Bkgd (cpm) | Beta Eff | Beta Static MDA (dpm) | Beta Scaler MDA (dpm) | Gamma Bkgd CPM |      |
| 1   | Lud 2221   | 211772        | 5/12/2009       | Nal   | 1                | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A            | 1545 |
| 2   | Detector   | 206815        | 5/12/2009       | Nal   | 1                | 2x2                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A            | N/A  |
| 3   | Model 12   | 78697         | 5/12/2009       | GM    | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A            | 40   |
| 4   | N/A        | N/A           | N/A             | N/A   | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A            | N/A  |
| 5   | N/A        | N/A           | N/A             | N/A   | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A            | N/A  |

| Remarks: |         |               |                   |          |              |      |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  |     |
|----------|---------|---------------|-------------------|----------|--------------|------|----------------|------------------------|--------------------|------------------------|-------------------|------------------------|--------------------|----------------------|-------|--|--|--|--|-----|
| Smear #  | Inst. # | Bore Location | Sample Bore Depth |          | Gamma Screen |      | Removable Beta |                        | Total Static Alpha |                        | Total Static Beta |                        | By Dose Rate       |                      | NOTES |  |  |  |  |     |
|          |         |               | Feet              | Y Coord. | Net CPM      | CCPM | Net CPM        | DPM/100cm <sup>2</sup> | Gross CPM          | DPM/100cm <sup>2</sup> | Gross CPM         | DPM/100cm <sup>2</sup> | Contact $\mu$ R/hr | Gen. Area $\mu$ R/hr |       |  |  |  |  |     |
| N/A      | 1       | B-4           | 1.0               |          | 1808         | 263  |                |                        |                    |                        |                   |                        |                    | 4                    | N/A   |  |  |  |  |     |
| N/A      | 1       | B-4           | 4.0               |          | 2148         | 603  |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  |     |
| N/A      | 1       | B-4           | 7.0               |          | NA           | NA   |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  | Wet |
| N/A      | 1       | B-8           | 0.5               |          | 1894         | 349  |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  |     |
| N/A      | 1       | B-8           | 4.5               |          | 2044         | 499  |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  |     |
| N/A      | 1       | B-8           | 7.5               |          | NA           | NA   |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  | Wet |
| N/A      | 1       | B-10          | 0.5               |          | 1590         | 45   |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  |     |
| N/A      | 1       | B-10          | 4.5               |          | 2020         | 475  |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  |     |
| N/A      | 1       | B-10          | 7.5               |          | NA           | NA   |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  | Wet |
| N/A      | 1       | B-12          | 1.0               |          | 1687         | 142  |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  |     |
| N/A      | 1       | B-12          | 4.0               |          | 1749         | 204  |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  |     |
| N/A      | 1       | B-12          | 7.0               |          | NA           | NA   |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  | Wet |
| N/A      | 1       | B-18          | 1.0               |          | 1712         | 167  |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  |     |
| N/A      | 1       | B-18          | 4.0               |          | 1787         | 242  |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  |     |
| N/A      | 1       | B-18          | 7.0               |          | NA           | NA   |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  | Wet |
| N/A      | 1       | B-19          | 0.5               |          | 1920         | 375  |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  |     |
| N/A      | 1       | B-19          | 4.5               |          | 1898         | 353  |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  |     |
| N/A      | 1       | B-19          | 7.5               |          | NA           | NA   |                |                        |                    |                        |                   |                        |                    |                      |       |  |  |  |  | Wet |

| Purpose of Survey : Soil Characterization Bore Samples - Marinelli Screen Only |            |               |                 |       |                  |                               |                  |           |                        | Date                   | 7/16/2008       |          |                       |                       |                |  |
|--|------------|---------------|-----------------|-------|------------------|-------------------------------|------------------|-----------|------------------------|------------------------|-----------------|----------|-----------------------|-----------------------|----------------|--|
| Surveyed by: Phyllis Morrison  |            |               |                 |       |                  |                               |                  |           |                        | Signature:             | Reviewed By:    |          |                       |                       |                |  |
| Log Number   |            |               |                 |       |                  |                               |                  |           |                        | 08-054                 |                 |          |                       |                       |                |  |
|  | Instrument | Serial Number | Calibration Due | Probe | Count Time (Min) | Probe Area (cm <sup>2</sup> ) | Alpha Bkgd (cpm) | Alpha Eff | Alpha Static MDA (dpm) | Alpha Scaler MDA (dpm) | Beta Bkgd (cpm) | Beta Eff | Beta Static MDA (dpm) | Beta Scaler MDA (dpm) | Gamma Bkgd CPM |  |
| 1  | Lud 2221   | 211772        | 5/12/2009       | Nal   | 1                | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | 1545           |  |
| 2  | Detector   | 206815        | 5/12/2009       | Nal   | 1                | 2x2                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A            |  |
| 3  | Model 12   | 78697         | 5/12/2009       | GM    | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | 40             |  |
| 4  | N/A        | N/A           | N/A             | N/A   | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A            |  |
| 5  | N/A        | N/A           | N/A             | N/A   | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A            |  |

Remarks:

| Smear # | Inst. # | Bore Location | Sample Bore Depth |         | Gamma/Screen |      | Removable Beta |                          | Total Static Alpha |                          | Total Static Beta |                          | Dose Rate          |                     | NOTES |
|---------|---------|---------------|-------------------|---------|--------------|------|----------------|--------------------------|--------------------|--------------------------|-------------------|--------------------------|--------------------|---------------------|-------|
|         |         |               | Feet              | Y Coord | Net CPM      | CCPM | Net CPM        | DPM / 100cm <sup>2</sup> | Gross CPM          | DPM / 100cm <sup>2</sup> | Gross CPM         | DPM / 100cm <sup>2</sup> | Contact $\mu$ R/hr | Gen Area $\mu$ R/hr |       |
| N/A     | 1       | B-26          | 1.0               |         | 1669         | 124  |                |                          |                    |                          |                   |                          |                    | 4                   |       |
| N/A     | 1       | B-26          | 4.0               |         | 1711         | 166  |                |                          |                    |                          |                   |                          |                    |                     |       |
| N/A     | 1       | B-26          | 7.0               |         | NA           | NA   |                |                          |                    |                          |                   |                          |                    |                     | Wet   |
| N/A     | 1       | B-32          | 1.0               |         | 1673         | 128  |                |                          |                    |                          |                   |                          |                    |                     |       |
| N/A     | 1       | B-32          | 4.0               |         | 1713         | 168  |                |                          |                    |                          |                   |                          |                    |                     |       |
| N/A     | 1       | B-32          | 8.0               |         | 1621         | 76   |                |                          |                    |                          |                   |                          |                    |                     |       |
| N/A     | 1       | B-33          | 0.5               |         | 1547         | 2    |                |                          |                    |                          |                   |                          |                    |                     |       |
| N/A     | 1       | B-33          | 4.5               |         | 1961         | 416  |                |                          |                    |                          |                   |                          |                    |                     |       |
| N/A     | 1       | B-33          | 7.5               |         | NA           | NA   |                |                          |                    |                          |                   |                          |                    |                     | Wet   |
| N/A     | 1       | B-34          | 0.5               |         | 1761         | 216  |                |                          |                    |                          |                   |                          |                    |                     |       |
| N/A     | 1       | B-34          | 4.5               |         | 1979         | 434  |                |                          |                    |                          |                   |                          |                    |                     |       |
| N/A     | 1       | B-34          | 7.5               |         | 1906         | 361  |                |                          |                    |                          |                   |                          |                    |                     |       |
| N/A     | 1       | PS-06C        | 0.5               |         | 2155         | 610  |                |                          |                    |                          |                   |                          |                    |                     |       |
| N/A     | 1       | PS-06C        | 4.5               |         | 1962         | 417  |                |                          |                    |                          |                   |                          |                    |                     |       |
| N/A     | 1       | PS-06C        | 7.5               |         | 2130         | 585  |                |                          |                    |                          |                   |                          |                    |                     |       |
| N/A     | 1       | PS-11C        | 0.5               |         | 1884         | 339  |                |                          |                    |                          |                   |                          |                    |                     |       |
| N/A     | 1       | PS-11C        | 4.5               |         | 1968         | 423  |                |                          |                    |                          |                   |                          |                    |                     |       |
| N/A     | 1       | PS-11C        | 7.5               |         | NA           | NA   |                |                          |                    |                          |                   |                          |                    |                     | Wet   |

| Purpose of Survey : <b>Soil Characterization Bore Samples - Marinelli Screen Only</b> |            |               |                 |       |                  |                               |                  |           |                        |                        |                 |          | Date                  | 7/16/2008             |                |            |        |  |
|---|------------|---------------|-----------------|-------|------------------|-------------------------------|------------------|-----------|------------------------|------------------------|-----------------|----------|-----------------------|-----------------------|----------------|------------|--------|--|
| Surveyed by: <b>Phyllis Morrison</b>  |            |               |                 |       |                  |                               |                  |           |                        |                        |                 |          | Signature:            |                       |                | Log Number | 08-054 |  |
| Reviewed By:  |            |               |                 |       |                  |                               |                  |           |                        |                        |                 |          |                       |                       |                |            |        |  |
|   | Instrument | Serial Number | Calibration Due | Probe | Count Time (Min) | Probe Area (cm <sup>2</sup> ) | Alpha Bkgd (cpm) | Alpha Eff | Alpha Static MDA (dpm) | Alpha Scaler MDA (dpm) | Beta Bkgd (cpm) | Beta Eff | Beta Static MDA (dpm) | Beta Scaler MDA (dpm) | Gamma Bkgd CPM |            |        |  |
| 1   | Lud 2221   | 211772        | 5/12/2009       | Nal   | 1                | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | 1545           |            |        |  |
| 2   | Detector   | 206815        | 5/12/2009       | Nal   | 1                | 2x2                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A            |            |        |  |
| 3   | Model 12   | 78697         | 5/12/2009       | GM    | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | 40             |            |        |  |
| 4   | N/A        | N/A           | N/A             | N/A   | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A            |            |        |  |
| 5   | N/A        | N/A           | N/A             | N/A   | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A            |            |        |  |

| Remarks: |         |               |                   |         |              |      |                |                          |                    |                          |                   |                          |                    |                      |       |
|----------|---------|---------------|-------------------|---------|--------------|------|----------------|--------------------------|--------------------|--------------------------|-------------------|--------------------------|--------------------|----------------------|-------|
| Smear #  | Inst. # | Bore Location | Sample Bore Depth |         | Gamma Screen |      | Removable Beta |                          | Total Static Alpha |                          | Total Static Beta |                          | By Dose Rate       |                      | NOTES |
|          |         |               | Feet              | Y Coord | Net CPM      | CCPM | Net CPM        | DPM / 100cm <sup>2</sup> | Gross CPM          | DPM / 100cm <sup>2</sup> | Gross CPM         | DPM / 100cm <sup>2</sup> | Contact $\mu$ R/hr | Gen. Area $\mu$ R/hr |       |
| N/A      | 1       | PS-23AC       | 1.0               |         | 1784         | 239  |                |                          |                    |                          |                   |                          |                    |                      | Wet   |
| N/A      | 1       | PS-23AC       | 4.0               |         | 2026         | 481  |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A      | 1       | PS-23AC       | 7.0               |         | NA           | NA   |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A      | 1       | PS-23BC       | 0.5               |         | 1908         | 363  |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A      | 1       | PS-23BC       | 4.5               |         | NA           | NA   |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A      | 1       | PS-23BC       | 7.5               |         | NA           | NA   |                |                          |                    |                          |                   |                          |                    |                      |       |

Notes: 1. Release Limit = 3(bkgd cpm) = 3(1545 cpm) = 4635 cpm.

2. MDA = 1745 net cpm (200 cpm above background).

3. Response factor is 350 cpm/pCi/gm of Cs137.

4. Outside of marinelli containers wiped with masselin - masselin counted - no activity above background detected.

5. Background taken in air and repeated at least three times during the day.

| Purpose of Survey: Soil Characterization Bore Samples - Marinelli Screen Only |            |               |                 |       |                  |                               |                  |           |                        |                        |                 |          | Date                  | 7/17/2008             |                 |
|---|------------|---------------|-----------------|-------|------------------|-------------------------------|------------------|-----------|------------------------|------------------------|-----------------|----------|-----------------------|-----------------------|-----------------|
|   |            |               |                 |       |                  |                               |                  |           |                        |                        |                 |          | Log Number            | 08-058                |                 |
| Surveyed by: Phyllis Morrison   |            |               |                 |       |                  |                               |                  |           | Signature:             |                        | Reviewed By:    |          |                       |                       |                 |
|   | Instrument | Serial Number | Calibration Due | Probe | Count Time (Min) | Probe Area (cm <sup>2</sup> ) | Alpha Bkgd (cpm) | Alpha Eff | Alpha Static MDA (dpm) | Alpha Scaler MDA (dpm) | Beta Bkgd (cpm) | Beta Eff | Beta Static MDA (dpm) | Beta Scaler MDA (dpm) | Gamma Bkgd. CPM |
| 1   | Lud 2221   | 211772        | 5/12/2009       | Nal   | 1                | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | 1403            |
| 2   | Detector   | 206815        | 5/12/2009       | Nal   | 1                | 2x2                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A             |
| 3   | Model 12   | 78697         | 5/12/2009       | GM    | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | 40              |
| 4   | N/A        | N/A           | N/A             | N/A   | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A             |
| 5   | N/A        | N/A           | N/A             | N/A   | N/A              | N/A                           | N/A              | N/A       | N/A                    | N/A                    | N/A             | N/A      | N/A                   | N/A                   | N/A             |

Remarks:

| Smear # | Inst. # | Bore Location | Sample Bore Depth |          | Gamma Screen |       | Removable Beta |                          | Total Static Alpha |                          | Total Static Beta |                          | By Dose Rate       |                      | NOTES |
|---------|---------|---------------|-------------------|----------|--------------|-------|----------------|--------------------------|--------------------|--------------------------|-------------------|--------------------------|--------------------|----------------------|-------|
|         |         |               | Feet              | Y Coord. | Net CPM      | CCPM  | Net CPM        | DPM / 100cm <sup>2</sup> | Gross CPM          | DPM / 100cm <sup>2</sup> | Gross CPM         | DPM / 100cm <sup>2</sup> | Contact $\mu$ R/hr | Gen. Area $\mu$ R/hr |       |
| N/A     | 1       | B-21          | 1.0               |          | 1699         | 296   |                |                          |                    |                          |                   |                          |                    | 4                    | N/A   |
| N/A     | 1       | B-21          | 4.0               |          | 1612         | 209   |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-22          | 1.0               |          | 1483         | 80    |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-22          | 4.0               |          | 1469         | 66    |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-23          | 1.0               |          | 1492         | 89    |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-23          | 4.0               |          | 1362         | <Bkgd |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-24          | 0.5               |          | 1775         | 372   |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-24          | 4.5               |          | 1785         | 382   |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-25          | 1.0               |          | 1293         | <Bkgd |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-25          | 4.0               |          | 1446         | 43    |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-27          | 1.0               |          | 1515         | 112   |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-27          | 4.0               |          | 1324         | <Bkgd |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-28          | 0.5               |          | 1716         | 313   |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-28          | 4.5               |          | 1768         | 363   |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-29          | 0.5               |          | 1792         | 389   |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | B-29          | 4.5               |          | 1744         | 341   |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | PS-20C        | 0.3               |          | 1804         | 401   |                |                          |                    |                          |                   |                          |                    |                      |       |
| N/A     | 1       | PS-20C        | 4.5               |          | 1780         | 377   |                |                          |                    |                          |                   |                          |                    |                      |       |



| Purpose of Survey : Soil Characterization Bore Samples - Marinelli Screen Only |            |               |                 |       |                  |                               |                  |            |                        |                        |                 |           | Date                  | 7/17/2008             |                 |
|--|------------|---------------|-----------------|-------|------------------|-------------------------------|------------------|------------|------------------------|------------------------|-----------------|-----------|-----------------------|-----------------------|-----------------|
|  |            |               |                 |       |                  |                               |                  |            |                        |                        |                 |           | Log Number            | 08-058                |                 |
| Surveyed by: Phyllis Morrison  |            |               |                 |       |                  |                               |                  |            | Signature:             |                        | Reviewed By:    |           |                       |                       |                 |
|  | Instrument | Serial Number | Calibration Due | Probe | Count Time (Min) | Probe Area (cm <sup>2</sup> ) | Alpha Bkgd (cpm) | Alpha Eff. | Alpha Static MDA (dpm) | Alpha Scaler MDA (dpm) | Beta Bkgd (cpm) | Beta Eff. | Beta Static MDA (dpm) | Beta Scaler MDA (dpm) | Gamma Bkgd. CPM |
| 1  | Lud 2221   | 211772        | 5/12/2009       | Nal   | 1                | N/A                           | N/A              | N/A        | N/A                    | N/A                    | N/A             | N/A       | N/A                   | N/A                   | 1403            |
| 2  | Detector   | 206815        | 5/12/2009       | Nal   | 1                | 2x2                           | N/A              | N/A        | N/A                    | N/A                    | N/A             | N/A       | N/A                   | N/A                   | N/A             |
| 3  | Model 12   | 78697         | 5/12/2009       | GM    | N/A              | N/A                           | N/A              | N/A        | N/A                    | N/A                    | N/A             | N/A       | N/A                   | N/A                   | 40              |
| 4  | N/A        | N/A           | N/A             | N/A   | N/A              | N/A                           | N/A              | N/A        | N/A                    | N/A                    | N/A             | N/A       | N/A                   | N/A                   | N/A             |
| 5  | N/A        | N/A           | N/A             | N/A   | N/A              | N/A                           | N/A              | N/A        | N/A                    | N/A                    | N/A             | N/A       | N/A                   | N/A                   | N/A             |

Remarks:

| Smear # | Inst. # | Bore Location | Sample Bore Depth |          | Gamma Screen |      | Removable Beta |                          | Total Static Alpha |                          | Total Static Beta |                          | By Dose Rate       |                      | NOTES |
|---------|---------|---------------|-------------------|----------|--------------|------|----------------|--------------------------|--------------------|--------------------------|-------------------|--------------------------|--------------------|----------------------|-------|
|         |         |               | Feet              | Y Coord. | Net CPM      | CCPM | Net CPM        | DPM / 100cm <sup>2</sup> | Gross CPM          | DPM / 100cm <sup>2</sup> | Gross CPM         | DPM / 100cm <sup>2</sup> | Contact $\mu$ R/hr | Gen. Area $\mu$ R/hr |       |
| N/A     | 1       | PS-21C        | 0.3               |          | 1866         | 463  |                |                          |                    |                          |                   |                          |                    | ↓                    | ↓     |
| N/A     | 1       | PS-21C        | 4.5               |          | 1836         | 433  |                |                          |                    |                          |                   |                          |                    | 4                    | NA    |

Notes: 1. Release Limit = 3(bkgd cpm) = 3(1403 cpm) = 4209 cpm.

2. MDA = 1603 net cpm (200 cpm above background).

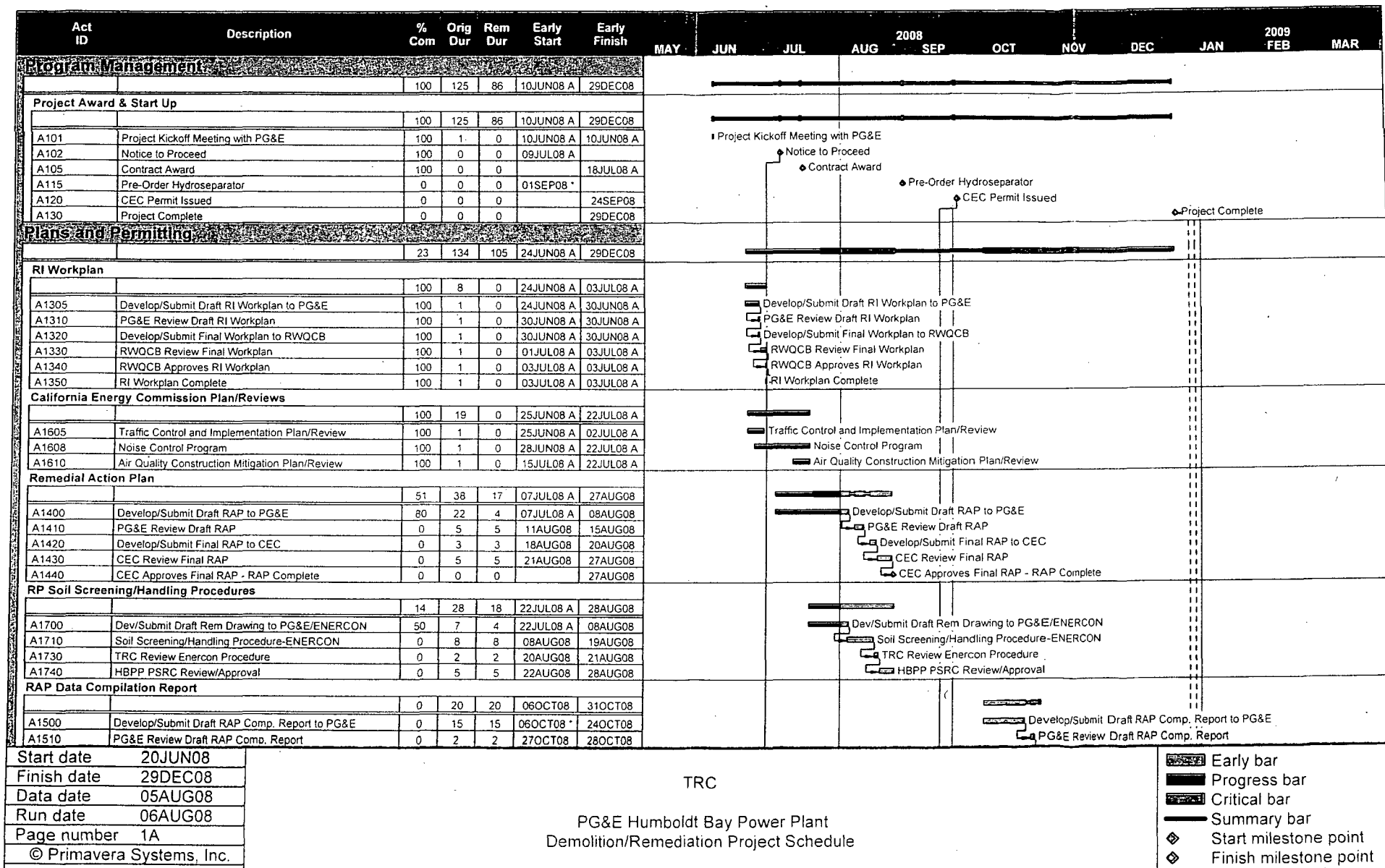
3. Response factor is 350 cpm/pCi/gm of Cs137.

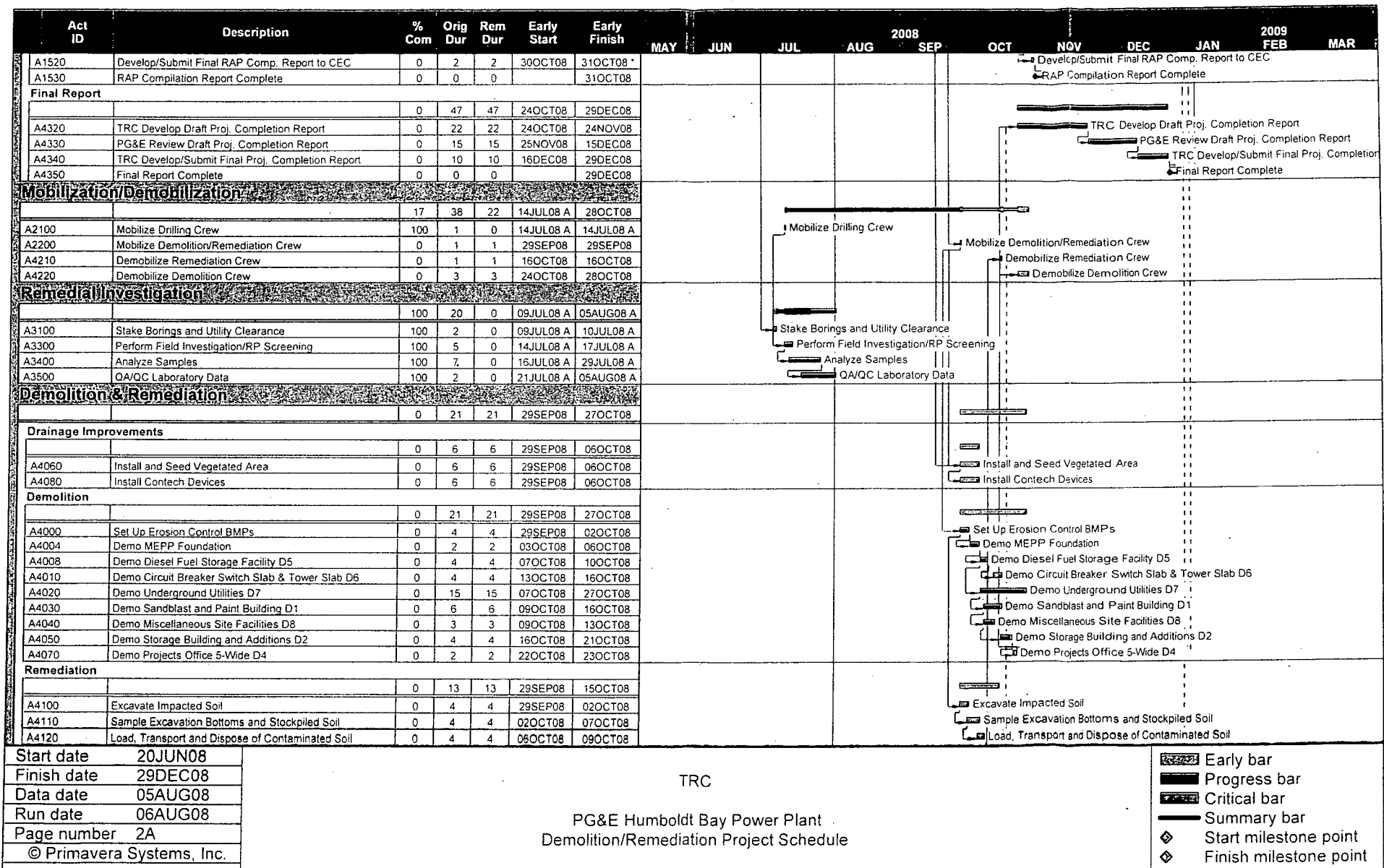
4. Outside of marinelli containers wiped with masselin - masselin counted - no activity above background detected.

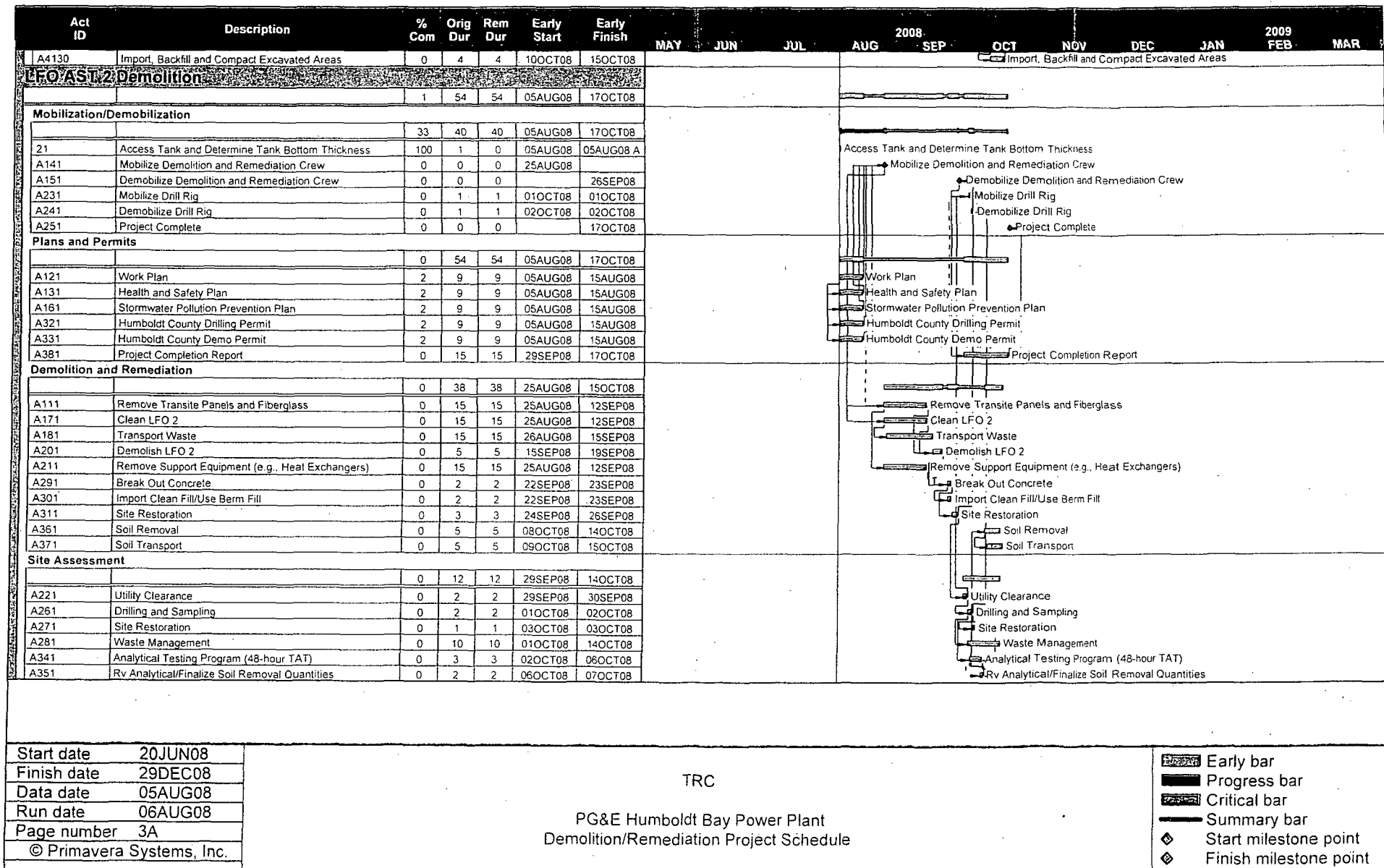
5. Background taken in air and repeated at least three times during the day.

## LAB SHEETS

## DEMOLITION AND REMEDIATION SCHEDULE









July 25, 2008

Mr. Moises Carvalho  
TRC Solutions, Inc.  
55 2nd Street, Suite 575  
San Francisco, California 94105

Re: Humboldt Bay NPP Project 161072, Task 2400  
Work Order: 212047

Dear Mr. Carvalho:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 16, 2008. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4504.

Sincerely,

Erin Stanley  
Project Manager

Purchase Order: 161072  
Enclosures

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis Report for

TRCS002 TRC Solutions

Client SDG: 212047 GEL Work Order: 212047

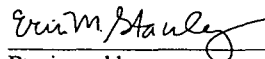
**The Qualifiers in this report are defined as follows:**

- \* A quality control analyte recovery is outside of specified acceptance criteria
- \*\* Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the detection limit.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Erin Stanley.



Reviewed by



# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-16-1.0 Gamma  
Sample ID: 212047001  
Matrix: Soil  
Collect Date: 14-JUL-08 10:00  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | 0.0238 | +/-0.0306   | 0.0467 | 0.100 | pCi/g |    | MJH1    | 07/17/08 | 1425 | 774961 | 1      |

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-16-4.0 Gamma  
Sample ID: 212047002  
Matrix: Soil  
Collect Date: 14-JUL-08 10:40  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |        |          |        |       |       |  |      |          |      |        |   |
|------------|---|--------|----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.0208 | +/-0.031 | 0.0572 | 0.100 | pCi/g |  | MJH1 | 07/18/08 | 0626 | 774961 | 1 |
|------------|---|--------|----------|--------|-------|-------|--|------|----------|------|--------|---|

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-16-7.0 Gamma  
Sample ID: 212047003  
Matrix: Soil  
Collect Date: 14-JUL-08 11:10  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result  | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|---------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |         |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | 0.00401 | +/-0.0213   | 0.0367 | 0.100 | pCi/g |    | MJH1    | 07/18/08 | 0626 | 774961 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: PS-10C-1.0 Gamma  
Sample ID: 212047004  
Matrix: Soil  
Collect Date: 14-JUL-08 11:30  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |           |        |       |       |  |      |          |      |        |   |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.00963 | +/-0.0333 | 0.0586 | 0.100 | pCi/g |  | MJH1 | 07/18/08 | 0627 | 774961 | 1 |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: PS-10C-4.0 Gamma  
Sample ID: 212047005  
Matrix: Soil  
Collect Date: 14-JUL-08 11:55  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter                                      | Qualifier | Result  | Uncertainty | DL     | RL    | Units | DF | AnalystDate   | Time | Batch  | Method |
|--|-----------|---------|-------------|--------|-------|-------|----|---------------|------|--------|--------|
| Rad Gamma Spec Analysis                        |           |         |             |        |       |       |    |               |      |        |        |
| Gammaspec, Gamma, Solid "Dry Weight Corrected" |           |         |             |        |       |       |    |               |      |        |        |
| Cesium-137                                     | U         | -0.0209 | +/-0.035    | 0.0552 | 0.100 | pCi/g |    | MJH1 07/18/08 | 0831 | 774961 | 1      |

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: PS-10C-7.0 Gamma  
Sample ID: 212047006  
Matrix: Soil  
Collect Date: 14-JUL-08 12:25  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |          |           |        |       |       |  |      |          |      |        |   |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.00809 | +/-0.0302 | 0.0419 | 0.100 | pCi/g |  | MJH1 | 07/18/08 | 0832 | 774961 | 1 |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| I      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-30-1.0 Gamma  
Sample ID: 212047007  
Matrix: Soil  
Collect Date: 14-JUL-08 13:45  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result  | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|---------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |         |             |        |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | 0.00886 | +/-0.0307   | 0.0547 | 0.100 | pCi/g |    | MJH1    | 07/18/08 | 0833 | 774961 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-30-4.0 Gamma  
Sample ID: 212047008  
Matrix: Soil  
Collect Date: 14-JUL-08 14:05  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammasec, Gamma, Solid "Dry Weight Corrected"*

|            |   |        |           |        |       |       |  |      |          |      |        |   |
|------------|---|--------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.0315 | +/-0.0503 | 0.0886 | 0.100 | pCi/g |  | MJH1 | 07/18/08 | 0910 | 774961 | 1 |
|------------|---|--------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |



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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-30-7.0 Gamma  
Sample ID: 212047009  
Matrix: Soil  
Collect Date: 14-JUL-08 14:20  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>Gammaspec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | -0.017 | +/-0.0298   | 0.0483 | 0.100 | pCi/g |    | MJH1    | 07/18/08 | 0910 | 774961 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-31-1.0 Gamma  
Sample ID: 212047010  
Matrix: Soil  
Collect Date: 14-JUL-08 14:45  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |          |          |        |       |       |  |      |          |      |        |   |
|------------|---|----------|----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.00836 | +/-0.022 | 0.0355 | 0.100 | pCi/g |  | MJH1 | 07/18/08 | 0911 | 774961 | 1 |
|------------|---|----------|----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-31-4.0 Gamma  
Sample ID: 212047011  
Matrix: Soil  
Collect Date: 14-JUL-08 15:00  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | 0.0241 | +/-0.0522   | 0.0922 | 0.100 | pCi/g |    | MJH1    | 07/18/08 | 0912 | 774961 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-15-1.0 Gamma  
Sample ID: 212047012  
Matrix: Soil  
Collect Date: 14-JUL-08 16:10  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | 0.0244 | +/-0.0326   | 0.0604 | 0.100 | pCi/g |    | MJH1    | 07/18/08 | 1045 | 774961 | 1      |

#### **The following Prep Methods were performed**

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

#### **The following Analytical Methods were performed**

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-15-4.0 Gamma  
Sample ID: 212047013  
Matrix: Soil  
Collect Date: 14-JUL-08 16:15  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | 0.0128 | +/-0.0271   | 0.0468 | 0.100 | pCi/g |    | MJH1    | 07/18/08 | 1045 | 774961 | 1      |

#### **The following Prep Methods were performed**

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

#### **The following Analytical Methods were performed**

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Report Date: July 25, 2008

Client Sample ID: B-20-0.5 Gamma  
Sample ID: 212047014  
Matrix: Soil  
Collect Date: 14-JUL-08 10:00  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*GammaSpec; Gamma, Solid "Dry Weight Corrected"*

|            |   |        |           |       |       |       |  |      |          |      |        |   |
|------------|---|--------|-----------|-------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.0207 | +/-0.0291 | 0.054 | 0.100 | pCi/g |  | MJH1 | 07/18/08 | 1046 | 774961 | 1 |
|------------|---|--------|-----------|-------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task 2400**

Client Sample ID: B-20-4.5 Gamma  
Sample ID: 212047015  
Matrix: Soil  
Collect Date: 14-JUL-08 10:25  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result  | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|---------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |         |             |        |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | -0.0114 | +/-0.0296   | 0.0485 | 0.100 | pCi/g |    | MJH1    | 07/18/08 | 1228 | 774961 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-20-7.5 Gamma  
Sample ID: 212047016  
Matrix: Soil  
Collect Date: 14-JUL-08 10:48  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |          |           |        |       |       |  |      |          |      |        |   |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.00987 | +/-0.0243 | 0.0399 | 0.100 | pCi/g |  | MJH1 | 07/18/08 | 1228 | 774961 | 1 |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |



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Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: PS-14C-0.3 Gamma  
Sample ID: 212047017  
Matrix: Soil  
Collect Date: 14-JUL-08 11:30  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result | Uncertainty | DL    | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|--------|-------------|-------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |        |             |       |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |       |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | 0.0338 | +/-0.0374   | 0.069 | 0.100 | pCi/g |    | MJH1    | 07/18/08 | 1229 | 774961 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: PS-14C-4.5 Gamma  
Sample ID: 212047018  
Matrix: Soil  
Collect Date: 14-JUL-08 11:57  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammasec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |          |       |       |       |  |      |          |      |        |   |
|------------|---|---------|----------|-------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.00679 | +/-0.037 | 0.064 | 0.100 | pCi/g |  | MJH1 | 07/18/08 | 1229 | 774961 | 1 |
|------------|---|---------|----------|-------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task 2400**

Client Sample ID: PS-14C-7.5 Gamma  
Sample ID: 212047019  
Matrix: Soil  
Collect Date: 14-JUL-08 12:16  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |          |          |        |       |       |  |      |          |      |        |   |
|------------|---|----------|----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.00111 | +/-0.023 | 0.0384 | 0.100 | pCi/g |  | MJH1 | 07/18/08 | 1230 | 774961 | 1 |
|------------|---|----------|----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-13-0.5 Gamma  
Sample ID: 212047020  
Matrix: Soil  
Collect Date: 14-JUL-08 14:05  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | 0.0187 | +/-0.0372   | 0.0674 | 0.100 | pCi/g |    | MJH1    | 07/18/08 | 1231 | 774961 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1748 | 774803     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-13-4.5 Gamma  
Sample ID: 212047021  
Matrix: Soil  
Collect Date: 14-JUL-08 14:20  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result  | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|---------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |         |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | -0.0174 | +/-0.0254   | 0.0399 | 0.100 | pCi/g |    | MJH1    | 07/18/08 | 1607 | 774962 | 1      |

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-13-7.5 Gamma  
Sample ID: 212047022  
Matrix: Soil  
Collect Date: 14-JUL-08 14:23  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |           |        |       |       |  |      |          |      |        |   |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.0171 | +/-0.0292 | 0.0472 | 0.100 | pCi/g |  | MJH1 | 07/19/08 | 0853 | 774962 | 1 |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-17-0.5 Gamma  
Sample ID: 212047023  
Matrix: Soil  
Collect Date: 14-JUL-08 14:50  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | AnalystDate        | Time   | Batch | Method |
|--|-----------|--------|-------------|--------|-------|-------|----|--------------------|--------|-------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |        |       |       |    |                    |        |       |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |                    |        |       |        |
| Cesium-137   | U         | 0.0169 | +/-0.0294   | 0.0527 | 0.100 | pCi/g |    | MJH1 07/19/08 0854 | 774962 | I     |        |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-17-4.5 Gamma  
Sample ID: 212047024  
Matrix: Soil  
Collect Date: 14-JUL-08 15:10  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result  | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|---------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |         |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | -0.0105 | +/-0.0333   | 0.0544 | 0.100 | pCi/g |    | MJH1    | 07/19/08 | 0854 | 774962 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |



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Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Report Date: July 25, 2008

Client Sample ID: B-17-7.5 Gamma  
Sample ID: 212047025  
Matrix: Soil  
Collect Date: 14-JUL-08 15:25  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | 0.0274 | +/-0.0265   | 0.0494 | 0.100 | pCi/g |    | MJH1    | 07/19/08 | 0855 | 774962 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-14-0.5 Gamma  
Sample ID: 212047026  
Matrix: Soil  
Collect Date: 14-JUL-08 15:55  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |           |        |       |       |  |      |          |      |        |   |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.0164 | +/-0.0236 | 0.0371 | 0.100 | pCi/g |  | MJH1 | 07/19/08 | 0855 | 774962 | 1 |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-7-0.5 Gamma  
Sample ID: 212047027  
Matrix: Soil  
Collect Date: 15-JUL-08 09:20  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |          |           |        |       |       |  |      |          |      |        |   |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.00961 | +/-0.0205 | 0.0325 | 0.100 | pCi/g |  | MJH1 | 07/19/08 | 0856 | 774962 | 1 |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task 2400**

Client Sample ID: B-7-4.5 Gamma  
Sample ID: 212047028  
Matrix: Soil  
Collect Date: 15-JUL-08 09:40  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |           |        |       |       |  |      |          |      |        |   |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.00887 | +/-0.0394 | 0.0667 | 0.100 | pCi/g |  | MJH1 | 07/19/08 | 0856 | 774962 | 1 |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-7-7.5 Gamma  
Sample ID: 212047029  
Matrix: Soil  
Collect Date: 15-JUL-08 10:00  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result   | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Metho |
|--|-----------|----------|-------------|--------|-------|-------|----|---------|----------|------|--------|-------|
| Rad Gamma Spec Analysis                                |           |          |             |        |       |       |    |         |          |      |        |       |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |          |             |        |       |       |    |         |          |      |        |       |
| Cesium-137   | U         | -0.00175 | +/-0.0443   | 0.0709 | 0.100 | pCi/g |    | MJH1    | 07/19/08 | 0857 | 774962 | 1     |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: PS-01C-1.0 Gamma  
Sample ID: 212047030  
Matrix: Soil  
Collect Date: 15-JUL-08 08:20  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result   | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|----------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |          |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |          |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | -0.00791 | +/-0.029    | 0.0485 | 0.100 | pCi/g |    | MJH1    | 07/19/08 | 0857 | 774962 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-14-4.5 Gamma  
Sample ID: 212047031  
Matrix: Soil  
Collect Date: 14-JUL-08 16:05  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |          |           |        |       |       |  |      |          |      |        |   |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.00831 | +/-0.0166 | 0.0273 | 0.100 | pCi/g |  | MJH1 | 07/19/08 | 0858 | 774962 | 1 |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-14-7.5 Gamma  
Sample ID: 212047032  
Matrix: Soil  
Collect Date: 14-JUL-08 16:13  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |           |        |       |       |  |      |          |      |        |   |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.0264 | +/-0.0233 | 0.0356 | 0.100 | pCi/g |  | MJH1 | 07/19/08 | 0858 | 774962 | 1 |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |



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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-9-0.5 Gamma  
Sample ID: 212047033  
Matrix: Soil  
Collect Date: 15-JUL-08 08:43  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result    | Uncertainty | DL    | RL    | Units | DF | Analyst | Date     | Time | Batch  | Metho |
|--|-----------|-----------|-------------|-------|-------|-------|----|---------|----------|------|--------|-------|
| <b>Rad Gamma Spec Analysis</b>                         |           |           |             |       |       |       |    |         |          |      |        |       |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |           |             |       |       |       |    |         |          |      |        |       |
| Cesium-137   | U         | -0.000848 | +/-0.0219   | 0.038 | 0.100 | pCi/g |    | MJH1    | 07/19/08 | 0859 | 774962 | 1     |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-9-4.5 Gamma  
Sample ID: 212047034  
Matrix: Soil  
Collect Date: 15-JUL-08 08:55  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| Rad Gamma Spec Analysis                                |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | 0.0226 | +/-0.0248   | 0.0444 | 0.100 | pCi/g |    | MJH1    | 07/19/08 | 0859 | 774962 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-9-7.5 Gamma  
Sample ID: 212047035  
Matrix: Soil  
Collect Date: 15-JUL-08 09:10  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result  | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|---------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |         |             |        |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | -0.0176 | +/-0.038    | 0.0595 | 0.100 | pCi/g |    | MJH1    | 07/19/08 | 0901 | 774962 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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San Francisco, California 94105

Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: PS-01C-4.0 Gamma  
Sample ID: 212047036  
Matrix: Soil  
Collect Date: 15-JUL-08 08:40  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | 0.0022 | +/-0.0308   | 0.0533 | 0.100 | pCi/g |    | MJH1    | 07/19/08 | 1136 | 774962 | 1      |

#### **The following Prep Methods were performed**

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

#### **The following Analytical Methods were performed**

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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San Francisco, California 94105

Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: PS-01C-7.0 Gamma  
Sample ID: 212047037  
Matrix: Soil  
Collect Date: 15-JUL-08 09:15  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result  | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|---------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |         |             |        |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | 0.00852 | +/-0.0287   | 0.0503 | 0.100 | pCi/g |    | MJH1    | 07/19/08 | 1136 | 774962 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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### Certificate of Analysis

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San Francisco, California 94105

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Report Date: July 25, 2008

Client Sample ID: B-3-1.0 Gamma  
Sample ID: 212047038  
Matrix: Soil  
Collect Date: 15-JUL-08 09:35  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |          |           |        |       |       |  |      |          |      |        |   |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.00295 | +/-0.0308 | 0.0523 | 0.100 | pCi/g |  | MJH1 | 07/19/08 | 1137 | 774962 | 1 |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/16/08 | 1757 | 774806     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 25, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-3-4.0 Gamma  
Sample ID: 212047039  
Matrix: Soil  
Collect Date: 15-JUL-08 09:50  
Receive Date: 16-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result  | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|---------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |         |             |        |       |       |    |         |          |      |        |        |
| <i>Gammaspex, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | -0.0102 | +/-0.0283   | 0.0471 | 0.100 | pCi/g |    | MJH1    | 07/19/08 | 1137 | 774962 | I      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXCI    | 07/16/08 | 1757 | 774806     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

# GEL LABORATORIES LLC

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## QC Summary

Report Date: July 25, 2008

Page 1 of 2

TRC Solutions, Inc.  
55 2nd Street, Suite 575  
San Francisco, California  
Mr. Moises Carvalho

Contact:

Workorder: 212047

| Parmname       | NOM       | Sample | Qual      | QC        | Units     | RPD%  | REC% | Range       | Anlst | Date     | Time           |
|----------------|-----------|--------|-----------|-----------|-----------|-------|------|-------------|-------|----------|----------------|
| Rad Gamma Spec |           |        |           |           |           |       |      |             |       |          |                |
| Batch          | 774961    |        |           |           |           |       |      |             |       |          |                |
| QC1201623294   | 212047001 | DUP    |           |           |           |       |      |             |       |          |                |
| Cesium-137     |           | U      | 0.0238    | 0.0747    | pCi/g     | 103 * |      | (0% - 100%) | MJH1  | 07/18/08 | 12:48          |
|                |           |        | +/-0.0306 | +/-0.0362 |           |       |      |             |       |          |                |
| QC1201623295   | LCS       |        |           |           |           |       |      |             |       |          |                |
| Americium-241  | 15.9      |        |           | 13.0      | pCi/g     |       | 82   | (75%-125%)  |       | 07/23/08 | 06:11          |
|                |           |        |           | +/-1.10   |           |       |      |             |       |          |                |
| Cesium-137     | 6.02      |        |           | 5.78      | pCi/g     |       | 96   | (75%-125%)  |       |          |                |
|                |           |        |           | +/-0.500  |           |       |      |             |       |          |                |
| Cobalt-60      | 7.86      |        |           | 7.96      | pCi/g     |       | 101  | (75%-125%)  |       |          |                |
|                |           |        |           | +/-0.655  |           |       |      |             |       |          |                |
| QC1201623293   | MB        |        |           |           |           |       |      |             |       |          |                |
| Cesium-137     |           | U      | -0.00669  | pCi/g     |           |       |      |             |       | 07/18/08 | 12:47          |
|                |           |        | +/-0.0206 |           |           |       |      |             |       |          |                |
| Batch          | 774962    |        |           |           |           |       |      |             |       |          |                |
| QC1201623297   | 212047021 | DUP    |           |           |           |       |      |             |       |          |                |
| Cesium-137     |           | U      | -0.0174   | U         | -0.0161   | pCi/g | 8    |             | N/A   | MJH1     | 07/19/08 11:39 |
|                |           |        | +/-0.0254 |           | +/-0.0199 |       |      |             |       |          |                |
| QC1201623298   | LCS       |        |           |           |           |       |      |             |       |          |                |
| Americium-241  | 15.9      |        |           | 13.5      | pCi/g     |       | 85   | (75%-125%)  |       | 07/19/08 | 11:39          |
|                |           |        |           | +/-1.14   |           |       |      |             |       |          |                |
| Cesium-137     | 6.02      |        |           | 6.24      | pCi/g     |       | 104  | (75%-125%)  |       |          |                |
|                |           |        |           | +/-0.480  |           |       |      |             |       |          |                |
| Cobalt-60      | 7.86      |        |           | 8.03      | pCi/g     |       | 102  | (75%-125%)  |       |          |                |
|                |           |        |           | +/-0.600  |           |       |      |             |       |          |                |
| QC1201623296   | MB        |        |           |           |           |       |      |             |       |          |                |
| Cesium-137     |           | U      | -0.00263  | pCi/g     |           |       |      |             |       | 07/19/08 | 11:38          |
|                |           |        | +/-0.012  |           |           |       |      |             |       |          |                |

### Notes:

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- H Analytical holding time was exceeded



## GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - [www.gel.com](http://www.gel.com)

### QC Summary

Workorder: 212047

Page 2 of 2

| Parmname | NOM  | Sample | Qual | QC | Units | RPD% | REC% | Range | Anlst | Date | Time |
|----------|--|--------|------|----|-------|------|------|-------|-------|------|------|
| J        | Value is estimated   |        |      |    |       |      |      |       |       |      |      |
| M        | M if above MDC and less than LLD   |        |      |    |       |      |      |       |       |      |      |
| N/A      | RPD or %Recovery limits do not apply.  |        |      |    |       |      |      |       |       |      |      |
| ND       | Analyte concentration is not detected above the detection limit  |        |      |    |       |      |      |       |       |      |      |
| NJ       | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier                                     |        |      |    |       |      |      |       |       |      |      |
| R        | Sample results are rejected  |        |      |    |       |      |      |       |       |      |      |
| U        | Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.   |        |      |    |       |      |      |       |       |      |      |
| UI       | Gamma Spectroscopy--Uncertain identification   |        |      |    |       |      |      |       |       |      |      |
| X        | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier                                     |        |      |    |       |      |      |       |       |      |      |
| Y        | QC Samples were not spiked with this compound  |        |      |    |       |      |      |       |       |      |      |
| ^        | RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry. |        |      |    |       |      |      |       |       |      |      |
| h        | Preparation or preservation holding time was exceeded  |        |      |    |       |      |      |       |       |      |      |

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met **all** of the requirements of the NELAC standard unless qualified on the QC Summary.

|                          |   |   |
|--------------------------|---|---|
| Page: _____ of <u>9</u>  | <h2 style="margin: 0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| Project #: <u>161072</u> |   |   |
| GEL Quote #: _____       |   |   |
| QC Number: _____         |   |   |
| PO Number: <u>161072</u> | GEL Work Order Number: <u>212046/212047/212049</u>                      |   |

|   |                              |  |
|---|------------------------------|--|
| Client Name: <u>TRC</u>   | Phone #: <u>415-644-3000</u> | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test)  |
| Project/Site Name: <u>Humboldt Bay Power Plant</u>  | Fax #: <u>415-541-9378</u>   | <div style="display: flex; justify-content: space-between;"> <div>                 Should this sample be considered: _____<br/>                 Total number of containers: _____<br/>                 TPA-a _____<br/>                 SVOCs _____<br/>                 CAM-17 Metals _____<br/>                 CS-137 _____             </div> <div>                 &lt;-- Preservative Type (6) _____             </div> </div> |
| Address: <u>55 2nd Street, Suite 575, San Francisco, CA 94105</u>                                     |                              |  |
| Collected by: <u>K. Gillis, M. Sellwood</u> Send Results To: <u>Moua Carvalho (mcarvalho@trc.com)</u> |                              |  |

| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(hh:mm) | QC Code<br>(1) | Field Filtered<br>(2) | Sample Matrix<br>(4) | Radioactive | TSCA Regulated | Total number of containers | TPA-a | SVOCs | CAM-17 Metals | CS-137 | Preservative Type (6) | Comments<br><small>Note: extra sample is required for sample specific QC</small> |
|--|-------------------------------|----------------------------|----------------|-----------------------|----------------------|-------------|----------------|----------------------------|-------|-------|---------------|--------|-----------------------|--|
| B-16-1.0   | 7/14/08                       | 10:00                      | G              | NA                    | SO                   |             |                | 2                          | X     | X     | X             |        |                       |  |
| B-16-4.0   | 7/14/08                       | 10:40                      | G              | NA                    | SO                   |             |                | 2                          | X     | X     | X             |        |                       |  |
| B-16-7.0   | 7/14/08                       | 11:10                      | G              | NA                    | SO                   |             |                | 2                          | X     | X     | X             |        |                       |  |
| PS-10c-1.0   | 7/14/08                       | 11:30                      | G              | NA                    | SO                   |             |                | 2                          | X     | X     | X             |        |                       |  |
| B-16-1.0 Gamma   | 7/14/08                       | 10:00                      | G              | NA                    | SO                   |             |                | 1                          |       |       |               | X      |                       |  |
| B-16-4.0 Gamma   | 7/14/08                       | 10:40                      | G              | NA                    | SO                   |             |                | 1                          |       |       |               | X      |                       |  |
| B-16-7.0 Gamma   | 7/14/08                       | 11:10                      | G              | NA                    | SO                   |             |                | 1                          |       |       |               | X      |                       |  |
| PS-10c-1.0 Gamma   | 7/14/08                       | 11:30                      | G              | NA                    | SO                   |             |                | 1                          |       |       |               | X      |                       |  |
| PS-10c-4.0   | 7/14/08                       | 11:55                      | G              | NA                    | SO                   |             |                | 2                          | X     | X     | X             |        |                       |  |
| PS-10c-4.0 Gamma   | 7/14/08                       | 11:55                      | G              | NA                    | SO                   |             |                | 1                          |       |       |               | X      |                       |  |

|   |   |                                |  |                                     |  |
|---|---|--------------------------------|--|-------------------------------------|--|
| TAT Requested: <u>Normal</u>  | Rush: <input checked="" type="checkbox"/> | Specify: <u>2 day</u> (48-hr.) | Subject to Surcharge: <input type="checkbox"/> | Fax Results: <u>Yes</u> / <u>No</u> | Circle Deliverable: C of A / QC Summary / Level 1 / <u>Level 2</u> / Level 3 / Level 4   |
| Remarks: <u>Are there any known hazards applicable to these samples? If so, please list the hazards</u><br><u>All metals were field filtered (6u)</u> |   |                                |  |                                     | Sample Collection Time Zone  |
|   |   |                                |  |                                     | Eastern <input type="checkbox"/> <u>Pacific</u><br>Central <input type="checkbox"/> Other _____<br>Mountain <input type="checkbox"/> |

| Chain of Custody Signatures |                |              |                                  | Sample Shipping and Delivery Details |              |
|-----------------------------|----------------|--------------|----------------------------------|--------------------------------------|--------------|
| Relinquished By (Signed)    | Date           | Time         | Received by (signed)             | Date                                 | Time         |
| <u>Kyle Gillis</u>          | <u>7/15/08</u> | <u>13:00</u> | <u>R.M. Stelling</u>             | <u>7/16/08</u>                       | <u>09:00</u> |
|                             |                |              | GEL PM: <u>Erin Stanley</u>      |                                      |              |
|                             |                |              | Method of Shipment: <u>Fedex</u> |                                      |              |
|                             |                |              | Date Shipped: <u>7/15/08</u>     |                                      |              |
|                             |                |              | Airbill #:                       |                                      |              |
|                             |                |              | Airbill #:                       |                                      |              |

|   |   |
|---|---|
| <p><small>Chain of Custody Number = Client Determined</small></p> <p><small>QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite</small></p> <p><small>Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.</small></p> <p><small>Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal</small></p> <p><small>Sample Analyzed: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).</small></p> <p><small>Preservative: A = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexachloric Acid, T = Sodium Thiosulfate. If no preservative is added = leave field blank.</small></p> <p style="text-align: center;"> <span style="margin-right: 20px;">WHITE = LABORATORY</span> <span style="margin-right: 20px;">YELLOW = FILE</span> <span>PINK = CLIENT</span> </p> | <p><small>For Lab Receiving Use Only</small></p> <p>Custody Seal Intact?</p> <p><u>YES</u>      NO</p> <p>Cooler Temp:</p> <p>C</p> |
|---|---|

|   |  |   |
|---|--|---|
| Page: <u>2</u> of <u>9</u><br>Project #: <u>161072</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> :<br>PO Number: <u>161072</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number:  |  |   |

| Client Name: <u>TAC</u>  |   | Phone #: <u>415-644-3000</u>                        |                               | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                                     |   |                |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
|--|---|---|-------------------------------|---|-------------------------------------|---|----------------|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|
| Project/Site Name: <u>Humboldt Bay Power Plant</u>                               |   | Fax #: <u>415-541-9378</u>                          |                               | Should this sample be considered:   | Total number of containers          | <div style="display: flex; justify-content: space-between;"> <div>           TPH-a<br/>           SVOCs<br/>           CAN-17 Metals HMOs<br/>           CS-137         </div> <div>           &lt;-- Preservative Type (6)         </div> </div> |                |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Address: <u>55 2nd Street, Suite 575, San Francisco, CA 94105</u>                |   | Collected by: <u>K. Gillis, M. Sellwood</u>         |                               |   |                                     | Comments<br>Note: extra sample is required for sample specific QC   |                |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Send Results To: <u>Moua Carnalho</u>  |   |   |                               |   |                                     |   |                |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | Date Collected<br><small>(mm-dd-yy)</small> | *Time Collected<br><small>(Military) (hhmm)</small> | QC Code<br><small>(a)</small> | Field Filtered<br><small>(b)</small>  | Sample Matrix<br><small>(c)</small> | Radioactive   | TSCA Regulated |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
| P5-10c-7.0   | 7/14/08                                     | 12:25   | G                             | NA  | SO                                  |   |                | 2 | X | X | X |   |  |  |  |  |  |  |  |  |  |  |  |  |
| P5-10c-7.0 Gamma   | 7/14/08                                     | 12:25   | G                             | NA  | SO                                  |   |                | 1 |   |   |   | X |  |  |  |  |  |  |  |  |  |  |  |  |
| B-30-1.0   | 7/14/08                                     | 13:45   | G                             | NA  | SO                                  |   |                | 2 | X | X | X |   |  |  |  |  |  |  |  |  |  |  |  |  |
| B-30-1.0 Gamma   | 7/14/08                                     | 13:45   | G                             | NA  | SO                                  |   |                | 1 |   |   |   | X |  |  |  |  |  |  |  |  |  |  |  |  |
| B-30-4.0   | 7/14/08                                     | 14:05   | G                             | NA  | SO                                  |   |                | 2 | X | X | X |   |  |  |  |  |  |  |  |  |  |  |  |  |
| B-30-4.0 Gamma   | 7/14/08                                     | 14:05   | G                             | NA  | SO                                  |   |                | 1 |   |   |   | X |  |  |  |  |  |  |  |  |  |  |  |  |
| B-30-7.0   | 7/14/08                                     | 14:20   | G                             | NA  | SO                                  |   |                | 2 | X | X | X |   |  |  |  |  |  |  |  |  |  |  |  |  |
| B-30-7.0 Gamma   | 7/14/08                                     | 14:20   | G                             | NA  | SO                                  |   |                | 1 |   |   |   | X |  |  |  |  |  |  |  |  |  |  |  |  |
| B-31-1.0   | 7/14/08                                     | 14:45   | G                             | NA  | SO                                  |   |                | 2 | X | X | X |   |  |  |  |  |  |  |  |  |  |  |  |  |
| B-31-1.0 Gamma   | 7/14/08                                     | 14:45   | G                             | NA  | SO                                  |   |                | 1 |   |   |   | X |  |  |  |  |  |  |  |  |  |  |  |  |

TAT Requested: Normal: Rush: ☒ Specify: 48 hr (Subject to Surcharge) Fax Results: Yes / ☒ No Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4

Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards  
All metals were field filtered (6w)

| Chain of Custody Signatures |                |              |                      |                |             | Sample Shipping and Delivery Details |                |
|-----------------------------|----------------|--------------|----------------------|----------------|-------------|--------------------------------------|----------------|
| Relinquished By (Signed)    | Date           | Time         | Received by (signed) | Date           | Time        | GEL PM:                              |                |
| <u>Kyle Mills</u>           | <u>7/15/08</u> | <u>13:00</u> | <u>R.M. Stalling</u> | <u>7/15/08</u> | <u>0900</u> | Method of Shipment:                  | <u>Fedex</u>   |
|                             |                |              |                      |                |             | Date Shipped:                        | <u>7/15/08</u> |
|                             |                |              |                      |                |             | Airbill #:                           |                |
|                             |                |              |                      |                |             | Airbill #:                           |                |

1.) Chain of Custody Number = Client Determined  
 2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite  
 3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.  
 4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal  
 5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).  
 6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank

|                            |    |
|----------------------------|----|
| For Lab Receiving Use Only |    |
| Custody Seal Intact?       |    |
| <u>YES</u>                 | NO |
| Cooler Temp:               |    |
|                            | C  |

WHITE = LABORATORY      YELLOW = FILE      PINK = CLIENT

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|--|--|---|
| Page <u>3</u> of <u>9</u><br>Project #: <u>161072</u><br>GEL Quote #:<br>CQC Number (1):<br>PO Number: <u>161072</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number:   |  |   |

| Client Name: <u>TRC</u>  |                              | Phone #: <u>415-644-3000</u>          |                | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                              |   |   |   |   |  |  |  |  |  |  |  |  |  |                          |
|--|------------------------------|---------------------------------------|----------------|---|------------------------------|---|---|---|---|--|--|--|--|--|--|--|--|--|--------------------------|
| Project/Site Name: <u>Humboldt Bay Power Plant</u>                               |                              | Fax #: <u>415-541-9378</u>            |                | Should this sample be considered:   | Total number of containers   | TPH-A<br>SVOCs<br>CAM-7 Metals HMO3<br>CS-137                     |   |   |   |  |  |  |  |  |  |  |  |  | -- Preservative Type (6) |
| Address: <u>55 2nd St., Suite 575, San Francisco, CA 94105</u>                   |                              |                                       |                |   |                              |   |   |   |   |  |  |  |  |  |  |  |  |  |                          |
| Collected by: <u>K. Gillis, M. Sellwood</u>                                      |                              | Send Results To: <u>Moua Carvalho</u> |                | Radioactive   | TSCA Regulated               | Comments<br>Note: extra sample is required for sample specific QC |   |   |   |  |  |  |  |  |  |  |  |  |                          |
|  |                              |                                       |                |   |                              |   |   |   |   |  |  |  |  |  |  |  |  |  |                          |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | Date Collected<br>(mm-dd-yy) | *Time Collected<br>(Military) (hhmm)  | QC Code<br>(m) | Field Filtered <sup>(4)</sup>   | Sample Matrix <sup>(4)</sup> |   |   |   |   |  |  |  |  |  |  |  |  |  |                          |
| B-31-4.0   | 7/14/08                      | 15:00                                 | G              | NA  | SO                           | 2   | X | X | X |  |  |  |  |  |  |  |  |  |                          |
| B-31-4.0 Gamma   | 7/14/08                      | 15:00                                 | G              | NA  | SO                           | 1   |   |   |   |  |  |  |  |  |  |  |  |  |                          |
| B-31-6W  | 7/14/08                      | 15:15                                 | G              | Y   | GW                           | 3   | X | X | X |  |  |  |  |  |  |  |  |  |                          |
| B-15-1.0   | 7/14/08                      | 16:10                                 | G              | NA  | SO                           | 2   | X | X | X |  |  |  |  |  |  |  |  |  |                          |
| B-15-1.0 Gamma   | 7/14/08                      | 16:10                                 | G              | NA  | SO                           | 1   |   |   |   |  |  |  |  |  |  |  |  |  |                          |
| B-15-4.0   | 7/14/08                      | 16:15                                 | G              | NA  | SO                           | 2   | X | X | X |  |  |  |  |  |  |  |  |  |                          |
| B-15-4.0 Gamma   | 7/14/08                      | 16:15                                 | G              | NA  | SO                           | 1   |   |   |   |  |  |  |  |  |  |  |  |  |                          |
| B-15-6W  | 7/14/08                      | 16:40                                 | G              | Y   | GW                           | 3   | X | X | X |  |  |  |  |  |  |  |  |  |                          |

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| FAT Requested: Normal: <input checked="" type="checkbox"/> Rush: <input checked="" type="checkbox"/> Specify: <u>48 hr</u> (Subject to Surcharge)     | Fax Results: Yes / <input checked="" type="checkbox"/> No | Circle Deliverable: C of A / QC Summary / Level 1 / <u>Level 2</u> / Level 3 / Level 4   |
| Remarks: <u>Are there any known hazards applicable to these samples? If so, please list the hazards</u><br><u>All metals were field filtered (GW)</u> |   | Sample Collection Time Zone<br>Eastern <u>Pacific</u><br>Central Other _____<br>Mountain |

| Chain of Custody Signatures                 |                     |                   | Sample Shipping and Delivery Details      |                              |
|---|---------------------|-------------------|---|------------------------------|
| Relinquished By (Signed) <u>Kyle Miller</u> | Date <u>7/15/08</u> | Time <u>13:00</u> | Received by (signed) <u>P.M. Stelling</u> | Date <u>7/16/08</u>          |
|   |                     |                   | Time <u>0900</u>                          |                              |
|   |                     |                   | GEL PM: <u>Erin Stanley</u>               |                              |
|   |                     |                   | Method of Shipment: <u>Fedex</u>          | Date Shipped: <u>7/15/08</u> |
|   |                     |                   | Airbill #:                                |                              |
|   |                     |                   | Airbill #:                                |                              |

|   |               |  |
|---|---------------|--|
| 1. Chain of Custody Number = Client Determined<br>2. QC Code: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite<br>3. Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.<br>4. Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal<br>5. Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).<br>6. Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank. |               | For Lab Receiving Use Only<br>Custody Seal Intact?<br><u>YES</u> NO<br>Cooler Temp:<br>C |
| WHITE = LABORATORY  | YELLOW = FILE | PINK = CLIENT  |

Page: 4 of 9  
 Project #: 161072  
 GEL Quote #:  
 COC Number <sup>(1)</sup>:  
 PO Number: 161072

## GEL Chain of Custody and Analytical Request

GEL Laboratories, LLC  
 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171  
 Fax: (843) 766-1178

GEL Work Order Number:

Client Name: TRC Phone #: 415-644-3000

Project/Site Name: Humboldt Bay Power Plant Fax #: 415-541-9378

Address: 55 2nd Street, Suite 575, San Francisco, CA 94105

Collected by: K. Gillis, M. Sellwood Send Results To: Mo ux Carvalho <sup>mcarvalho@resolutions.com</sup>

| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(Military) (hhmm) | QC Code<br>(2) | Field Filtered<br>(3) | Sample Matrix<br>(4) | Radioactive | TSCA Regulated | Total number of containers | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |      |                      |        |  |  |  |  |  |  | Preservative Type (6) | Comments<br>Note: extra sample is required for sample specific QC |
|--|-------------------------------|--------------------------------------|----------------|-----------------------|----------------------|-------------|----------------|----------------------------|---|------|----------------------|--------|--|--|--|--|--|--|-----------------------|---|
|  |                               |                                      |                |                       |                      |             |                |                            | TPH-d   | SW-S | CAN-17 Metals HgCdPb | CS-137 |  |  |  |  |  |  |                       |   |
| B-20-GW  | 7/14/08                       | 1340                                 | G              | Y                     | W                    | N           |                | 3                          | X   | X    | X                    |        |  |  |  |  |  |  |                       |   |
| B-14-GW  | ↓                             | 1625                                 |                | Y                     | ↓                    | ↓           |                | 3                          | ↓   | ↓    | ↓                    |        |  |  |  |  |  |  |                       |   |
| B-20-0.5   | ↓                             | 1006                                 |                | NA                    | S                    |             |                | 2                          | ↓   | ↓    | ↓                    |        |  |  |  |  |  |  |                       |   |
| B-20-4.5   | ↓                             | 1025                                 |                |                       |                      |             |                | ↓                          | ↓   | ↓    | ↓                    |        |  |  |  |  |  |  |                       |   |
| B-20-7.5   | ↓                             | 1048                                 |                |                       |                      |             |                | ↓                          | ↓   | ↓    | ↓                    |        |  |  |  |  |  |  |                       |   |
| B-20-0.5 gamma   | ↓                             | 1000                                 |                |                       |                      |             |                | 1                          |   |      |                      | X      |  |  |  |  |  |  |                       |   |
| B-20-4.5 gamma   | ↓                             | 1025                                 |                |                       |                      |             |                | ↓                          |   |      |                      |        |  |  |  |  |  |  |                       |   |
| B-20-7.5 gamma   | ↓                             | 1048                                 |                |                       | ↓                    | ↓           |                | ↓                          |   |      |                      |        |  |  |  |  |  |  |                       |   |
| PS-14C-0.3   | ↓                             | 1130                                 |                |                       |                      |             |                | 2                          | X   | X    | X                    |        |  |  |  |  |  |  |                       |   |
| PS-14C-4.5   | ↓                             | 1157                                 |                |                       |                      |             |                | ↓                          | ↓   | ↓    | ↓                    |        |  |  |  |  |  |  |                       |   |

TAT Requested: Normal: Rush: ☒ Specify: YTH (Subject to Surcharge) Fax Results: Yes / ☒ No

Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4

Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards  
All metals are field filtered (GW)

Sample Collection Time Zone:  
 Eastern Pacific  
 Central Other \_\_\_\_\_  
 Mountain

| Chain of Custody Signatures |                |              |                      |                |              | Sample Shipping and Delivery Details |                              |
|-----------------------------|----------------|--------------|----------------------|----------------|--------------|--------------------------------------|------------------------------|
| Relinquished By (Signed)    | Date           | Time         | Received by (signed) | Date           | Time         | GEL PM:                              |                              |
| <u>Kyle Gillis</u>          | <u>7/15/08</u> | <u>13:00</u> | <u>R.M. Stanley</u>  | <u>7/16/08</u> | <u>02:00</u> | <u>Erin Stanley</u>                  |                              |
|                             |                |              |                      |                |              | Method of Shipment: <u>Fedex</u>     | Date Shipped: <u>7/15/08</u> |
|                             |                |              |                      |                |              | Airbill #:                           |                              |
|                             |                |              |                      |                |              | Airbill #:                           |                              |

1.) Chain of Custody Number = Client Determined  
 2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite  
 3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.  
 4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Faecal, N=Nasal  
 5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).

For Lab Receiving Use Only

Custody Seal Intact?  
☒ YES ☐ NO

Cooler Temp:  
C

PINK = CLIENT

|   |  |   |
|---|--|---|
| Page: <u>5</u> of <u>9</u><br>Project #: <u>161072</u><br>GEL Quote #: _____<br>COC Number (1): _____<br>PO Number: <u>161072</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number: _____  |  |   |

|  |  |   |                               |                                      |                                     |   |                            |   |   |   |  |  |  |   |  |  |  |  |  |
|--|--|---|-------------------------------|--------------------------------------|-------------------------------------|---|----------------------------|---|---|---|--|--|--|---|--|--|--|--|--|
| Client Name: <u>TRC</u> Phone #: <u>415-644-3000</u>   |  |   |                               |                                      |                                     | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                            |   |   |   |  |  |  |   |  |  |  |  |  |
| Project/Site Name: <u>Humboldt Bay Power Plant</u> Fax #: <u>415-541-9378</u>                                      |  |   |                               |                                      |                                     | Should this sample be considered:   | Total number of containers | TPT-D<br>SWGS<br>CAM-7 Metals HNG-3<br>CS-137 | -- Preservative Type (6)  |   |  |  |  |   |  |  |  |  |  |
| Address: <u>55 2nd St., Suite 575, San Francisco, CA 94105</u>   |  |   |                               |                                      |                                     |   |                            |   | Comments<br>Note: extra sample is required for sample specific QC |   |  |  |  |   |  |  |  |  |  |
| Collected by: <u>K. Gillis, M. Sellwood</u> Send Results To: <u>mcarvalho@tresdations.com</u> <u>Mary Carvalho</u> |  |   |                               |                                      |                                     | Radioactive   | TSCA Regulated             |   |   |   |  |  |  |   |  |  |  |  |  |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small>                                   | *Date Collected<br><small>(mm-dd-yy)</small> | *Time Collected<br><small>(Military) (hhmm)</small> | QC Code<br><small>(1)</small> | Field Filtered<br><small>(2)</small> | Sample Matrix<br><small>(4)</small> |   |                            |   |   |   |  |  |  |   |  |  |  |  |  |
| PS-14C-7.5   | 7/14/08                                      | 1216  | G                             | NA                                   | S                                   |   | 2                          | X   | X   | X |  |  |  |   |  |  |  |  |  |
| PS-14C-DP gamma  | ↓  | 1130  | ↓                             | ↓                                    | ↓                                   |   | 1                          |   |   |   |  |  |  |   |  |  |  |  |  |
| PS-14C-4.5 gamma   | ↓  | 1157  | ↓                             | ↓                                    | ↓                                   |   | 1                          |   |   |   |  |  |  |   |  |  |  |  |  |
| PS-14C-7.5 gamma   | ↓  | 1216  | ↓                             | ↓                                    | ↓                                   |   | 1                          |   |   |   |  |  |  |   |  |  |  |  |  |
| B-13-0.5   | ↓  | 1405  | ↓                             | ↓                                    | ↓                                   |   | 2                          | X   | X   | X |  |  |  |   |  |  |  |  |  |
| B-13-4.5   | ↓  | 1420  | ↓                             | ↓                                    | ↓                                   |   | 1                          | ↓   | ↓   | ↓ |  |  |  |   |  |  |  |  |  |
| B-13-7.5   | ↓  | 1423  | ↓                             | ↓                                    | ↓                                   |   | 1                          | ↓   | ↓   | ↓ |  |  |  |   |  |  |  |  |  |
| B-13-0.5 gamma   | ↓  | 1405  | ↓                             | ↓                                    | ↓                                   |   | 1                          |   |   |   |  |  |  | X |  |  |  |  |  |
| B-13-4.5 gamma   | ↓  | 1420  | ↓                             | ↓                                    | ↓                                   |   | 1                          |   |   |   |  |  |  |   |  |  |  |  |  |
| B-13-7.5 gamma   | ↓  | 1423  | ↓                             | ↓                                    | ↓                                   |   | 1                          |   |   |   |  |  |  | ↓ |  |  |  |  |  |

Test Requested: Normal: \_\_\_\_\_ Rush: ☒ Specify: 45 hr (Subject to Surcharge) Fax Results: Yes / ☒ No Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4

Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards

All metals were field filtered (6w)

Sample Collection Time Zone

Eastern ☒ Pacific  
 Central Other \_\_\_\_\_  
 Mountain

| Chain of Custody Signatures |                |              |                      |                |             | Sample Shipping and Delivery Details |                              |
|-----------------------------|----------------|--------------|----------------------|----------------|-------------|--------------------------------------|------------------------------|
| Relinquished By (Signed)    | Date           | Time         | Received by (signed) | Date           | Time        |                                      |                              |
| <u>Kyle Gillis</u>          | <u>7/15/08</u> | <u>13:00</u> | <u>R.M. Stelling</u> | <u>7/16/08</u> | <u>0900</u> | GEL PM: <u>Erin Stanley</u>          |                              |
|                             |                |              |                      |                |             | Method of Shipment: <u>FedEx</u>     | Date Shipped: <u>7/15/08</u> |
|                             |                |              |                      |                |             | Airbill #:                           |                              |
|                             |                |              |                      |                |             | Airbill #:                           |                              |

Chain of Custody Number = Client Determined  
 QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite  
 Field Filtered: For liquid matrices, indicate with a -Y- for yes the sample was field filtered or -N- for sample was not field filtered.  
 Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal  
 Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).  
 Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank

WHITE = LABORATORY

YELLOW = FILE

PINK = CLIENT

For Lab Receiving Use Only

Custody Seal Intact?  
☒ YES ☐ NO

Cooler Temp:  
 C

Page: 6 of 9

Project #: 161072

GEL Quote #:

COC Number <sup>(1)</sup>:

PO Number: 161072

## GEL Chain of Custody and Analytical Request

GEL Laboratories, LLC  
2040 Savage Road  
Charleston, SC 29407  
Phone: (843) 556-8171  
Fax: (843) 766-1178

GEL Work Order Number:

Client Name: TRC Phone #: 415-644-3000

Project/Site Name: Humboldt Bay Paver Plant Fax #: 415-541-9378

Address: 55 2nd St., Suite 575, San Francisco, CA 94105

Collected by: K. Gillis, M. Sellwood Send Results To: Max Carvalho @ trcsolutions.com

| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(Military) (hhmm) | QC Code <sup>(3)</sup> | Field Filtered <sup>(4)</sup> | Sample Matrix <sup>(5)</sup> | Radioactive | TSCA Regulated | Total number of containers | Sample Analysis Requested <sup>(6)</sup> (Fill in the number of containers for each test) |      |        |       | Preservative Type (6) | Comments<br>Note: extra sample is required for sample specific QC |
|--|-------------------------------|--------------------------------------|------------------------|-------------------------------|------------------------------|-------------|----------------|----------------------------|---|------|--------|-------|-----------------------|---|
|  |                               |                                      |                        |                               |                              |             |                |                            | TAT-0   | SWCS | CAN-17 | MS-17 |                       |   |
| B-17-0.5   | 7/14/08                       | 1450                                 | G                      | NA                            | S                            |             |                | 2                          | X   | X    | X      |       |                       |   |
| B-17-4.5   |                               | 1510                                 |                        |                               |                              |             |                | 1                          |   |      |        |       |                       |   |
| B-17-7.5   |                               | 1525                                 |                        |                               |                              |             |                | 1                          |   |      |        |       |                       |   |
| B-17-0.5 gamma   |                               | 1450                                 |                        |                               |                              |             |                | 1                          |   |      |        | X     |                       |   |
| B-17-4.5 gamma   |                               | 1510                                 |                        |                               |                              |             |                | 1                          |   |      |        |       |                       |   |
| B-17-7.5 gamma   | ↓                             | 1525                                 | ↓                      | ↓                             | ↓                            |             |                | 1                          |   |      |        |       |                       |   |
| B-14-0.5   |                               | 1555                                 |                        |                               |                              |             |                | 2                          | X   | X    | X      |       |                       |   |
| B-14-4.5   |                               | 1605                                 |                        |                               |                              |             |                | 1                          |   |      |        |       |                       |   |
| B-14-7.5   |                               | 1613                                 |                        |                               |                              |             |                | 1                          |   |      |        |       |                       |   |
| B-14-0.5 gamma   | ↓                             | 1555                                 | ↓                      | ↓                             | ↓                            |             |                | 1                          |   |      |        | X     |                       |   |

TAT Requested: Normal: Rush: ☒ Specify: 48h (Subject to Surcharges) Fax Results: Yes / ☒ No Circle Deliverable: Cof A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4

Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards

All metals were field filtered (low)

Sample Collection Time Zone  
Eastern ☒ Pacific  
Central Other  
Mountain

| Chain of Custody Signatures |                |              |                      | Sample Shipping and Delivery Details |              |
|-----------------------------|----------------|--------------|----------------------|--------------------------------------|--------------|
| Relinquished By (Signed)    | Date           | Time         | Received by (signed) | Date                                 | Time         |
| <u>Kyle Miller</u>          | <u>7/15/08</u> | <u>13:00</u> | <u>Erin Stanley</u>  | <u>7/16/08</u>                       | <u>09:00</u> |
|                             |                |              |                      |                                      |              |
|                             |                |              |                      |                                      |              |

GEL PM: Erin Stanley

Method of Shipment: Fedex Date Shipped: 7/15/08

Airbill #:

Airbill #:

1.1 Chain of Custody Number = Client Determined

2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite

3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.

4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filler, P=Wipe, U=Urine, F=Faecal, N=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).

HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate, If no preservative is added = leave field blank

For Lab Receiving Use Only

Custody Seal Intact?

☒ YES ☐ NO

Cooler Temp:

C

YELLOW = FILE

PINK = CLIENT

| Page: 7 of 9   |   | <b>GEL Chain of Custody and Analytical Request</b>     |                               |   |                                     |            |                |   |       |       |                     | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |  |  |  |  |  |
|--|---|--|-------------------------------|---|-------------------------------------|------------|----------------|---|-------|-------|---------------------|---|--|--|--|--|--|
| Project #: 161072  |   | GEL Work Order Number:                                 |                               |   |                                     |            |                |   |       |       |                     |   |  |  |  |  |  |
| GEL Quote #:   |   |  |                               |   |                                     |            |                |   |       |       |                     |   |  |  |  |  |  |
| COC Number (1):  |   |  |                               |   |                                     |            |                |   |       |       |                     |   |  |  |  |  |  |
| PO Number: 161072  |   |  |                               |   |                                     |            |                |   |       |       |                     |   |  |  |  |  |  |
| Client Name: TRC   |   |  |                               | Phone #: 415-644-3000                       |                                     |            |                | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |       |       |                     |   |  |  |  |  |  |
| Project/Site Name: Humboldt Bay Power Plant  |   |  |                               | Fax #: 415-541-9370                         |                                     |            |                | Should this sample be considered:   |       |       |                     |   |  |  |  |  |  |
| Address: 55 2nd St., Suite 575, San Francisco, CA 94105  |   |  |                               |   |                                     |            |                | Preservative Type (6)   |       |       |                     |   |  |  |  |  |  |
| Collected by: K. Gillis, M. Sellwood   |   |  |                               | Send Results To: mcarvalho@presolutions.com |                                     |            |                | Comments<br>Note: extra sample is required for sample specific QC                         |       |       |                     |   |  |  |  |  |  |
| Sample ID<br><small>*For composites - indicate start and stop date/time</small>  | Date Collected<br><small>(mm-dd-yy)</small> | Time Collected<br><small>(Military)<br/>(hhmm)</small> | QC Code<br><small>(2)</small> | Field Filtered<br><small>(3)</small>        | Sample Matrix<br><small>(4)</small> | Radiactive | TSCA Regulated | Total number of containers  | TPH-A | LNOLs | CAM-17 Metals Heavy | CS-137  |  |  |  |  |  |
| B-7-7.5  | 7/15/08                                     | 1000   | G                             | NA  | S                                   | N          |                | 2   | X     | X     | X                   |   |  |  |  |  |  |
| B-7-0.5 gamma  | ↓   | 0920   | ↓                             | ↓   | ↓                                   | ↓          |                | 1   |       |       |                     | X   |  |  |  |  |  |
| B-7-4.5 gamma  | ↓   | 0940   | ↓                             | ↓   | ↓                                   | ↓          |                | 1   |       |       |                     | X   |  |  |  |  |  |
| B-7-7.5 gamma  | ↓   | 1000   | ↓                             | ↓   | ↓                                   | ↓          |                | 1   |       |       |                     | X   |  |  |  |  |  |
| B-7-gwa  | ↓   | 1025   | ↓                             | Y   | W                                   | ↓          |                | 3   | X     | X     | X                   |   |  |  |  |  |  |
| B-7-gwb  | ↓   | 1025   | ↓                             | Y   | W                                   | ↓          |                | 3   | X     | X     | X                   |   |  |  |  |  |  |
| PS-0lc-1.0   | ↓   | 8:30   | ↓                             | NA  | S                                   | ↓          |                | 2   | X     | X     | X                   |   |  |  |  |  |  |
| PS-0lc-4.0   | ↓   | 8:40   | ↓                             | ↓   | S                                   | ↓          |                | 2   | X     | X     | X                   |   |  |  |  |  |  |
| PS-0lc-7.0   | ↓   | 9:15   | ↓                             | ↓   | S                                   | ↓          |                | 2   | X     | X     | X                   |   |  |  |  |  |  |
| PS-0lc-1.0 Gamma   | ↓   | 8:30   | ↓                             | ↓   | S                                   | ↓          |                | 1   |       |       |                     | X   |  |  |  |  |  |
| LST Requested: Normal; Rush: <input checked="" type="checkbox"/> Specify: HX (Subject to Surcharge); Fax Results: Yes / No <input checked="" type="radio"/><br>Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 <input checked="" type="radio"/> / Level 3 / Level 4  |   |  |                               |   |                                     |            |                |   |       |       |                     |   |  |  |  |  |  |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards.<br>All metals were field filtered (GW)   |   |  |                               |   |                                     |            |                |   |       |       |                     |   |  |  |  |  |  |
| <b>Chain of Custody Signatures</b>   |   |  |                               |   |                                     |            |                |   |       |       |                     |   |  |  |  |  |  |
| Relinquished By (Signed)   |   |  |                               | Received by (signed)                        |                                     |            |                | Sample Shipping and Delivery Details  |       |       |                     |   |  |  |  |  |  |
| Date   |   |  |                               | Date  |                                     |            |                | GEL PM: Erin Stanley  |       |       |                     |   |  |  |  |  |  |
| Time   |   |  |                               | Time  |                                     |            |                | Method of Shipment: FedEx   |       |       |                     |   |  |  |  |  |  |
| Nyle Mills 7/15/08 13:00   |   |  |                               | P.M. Stelling 7/16/08 0900                  |                                     |            |                | Date Shipped: 7/15/08   |       |       |                     |   |  |  |  |  |  |
|  |   |  |                               |   |                                     |            |                | Airbill #:  |       |       |                     |   |  |  |  |  |  |
|  |   |  |                               |   |                                     |            |                | Airbill #:  |       |       |                     |   |  |  |  |  |  |
| <small>           (1) Chain of Custody Number = Client Determined<br/>           (2) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite<br/>           (3) Field Filtered: For liquid matrices, indicate with a Y - for yes the sample was field filtered or - N - for sample was not field filtered.<br/>           (4) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal<br/>           (5) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).<br/>           (6) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank         </small> |   |  |                               |   |                                     |            |                |   |       |       |                     |   |  |  |  |  |  |
| WHITE = LABORATORY      YELLOW = FILE      PINK = CLIENT   |   |  |                               |   |                                     |            |                |   |       |       |                     |   |  |  |  |  |  |
| <b>For Lab Receiving Use Only</b><br>Custody Seal Intact?<br><input checked="" type="radio"/> YES    NO<br>Cooler Temp:<br>C   |   |  |                               |   |                                     |            |                |   |       |       |                     |   |  |  |  |  |  |



|   |  |   |
|---|--|---|
| Page: <u>8</u> of <u>9</u><br>Project #: <u>161072</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> :<br>PO Number: <u>161072</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number:  |  |   |

|                         |                              |   |
|-------------------------|------------------------------|---|
| Client Name: <u>TRC</u> | Phone #: <u>415-644-3000</u> | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |
|-------------------------|------------------------------|---|

|  |                            |  |
|--|----------------------------|--|
| Project/Site Name: <u>Humboldt Bay Power Plant</u> | Fax #: <u>415-541-9375</u> | Should this sample be considered:<br>Total number of containers: <u>1</u> <u>TPH-a</u> <u>GWCS</u> <u>CAM-17 Metals HMO3</u> <u>CS-137</u> |
|--|----------------------------|--|

|  |  |
|--|--|
| Address: <u>55 2nd St., Suite 575, San Francisco, CA 94105</u> | Collected by: <u>K. Gillis, M. Sellwood</u> Send Results To: <u>mcarvalho@trcsolutions.com</u> <u>Monex Carvalho</u> |
|--|--|

| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | * Date Collected<br><small>(mm-dd-yy)</small> | * Time Collected<br><small>(Military) (hhmm)</small> | QC Code<br><small>(1)</small> | Field Filtered <sup>(2)</sup> | Sample Matrix <sup>(4)</sup> | Radioactive | TSCA Regulated | Total number of containers | TPH-a | GWCS | CAM-17 Metals HMO3 | CS-137 | Preservative Type (6) | Comments<br><small>Note: extra sample is required for sample specific QC</small> |
|--|---|--|-------------------------------|-------------------------------|------------------------------|-------------|----------------|----------------------------|-------|------|--------------------|--------|-----------------------|--|
| B-14-4.5 gamma   | 7/14/08                                       | 1605   | G                             | NA                            | S                            |             |                | 1                          |       |      |                    | X      |                       |  |
| B-14-7.5 gamma   | ↓   | 1613   | ↓                             | ↓                             | ↓                            |             |                | 1                          |       |      |                    | X      |                       |  |
| B-9-0.5  | 7/15/08                                       | 0843   |                               |                               |                              |             |                | 2                          | X     | X    | X                  |        |                       |  |
| B-9-4.5  | ↓   | 0855   |                               |                               |                              |             |                | ↓                          | ↓     | ↓    | ↓                  |        |                       |  |
| B-9-7.5  | ↓   | 0910   |                               |                               |                              |             |                | ↓                          | ↓     | ↓    | ↓                  |        |                       |  |
| B-9-0.5 gamma  | ↓   | 0843   |                               |                               |                              |             |                | 1                          |       |      |                    | X      |                       |  |
| B-9-4.5 gamma  | ↓   | 0855   |                               |                               |                              |             |                | ↓                          |       |      |                    | ↓      |                       |  |
| B-9-7.5 gamma  | ↓   | 0910   | ↓                             | ↓                             | ↓                            |             |                | ↓                          |       |      |                    | ↓      |                       |  |
| B-7-0.5  | ↓   | 0920   | ↓                             | ↓                             | ↓                            |             |                | 2                          | X     | X    | X                  |        |                       |  |
| B-7-4.5  | ↓   | 0940   | ↓                             | ↓                             | ↓                            |             |                | ↓                          | X     | X    | X                  |        |                       |  |

|   |  |  |
|---|--|--|
| TAT Requested: Normal: <input type="checkbox"/> Rush: <input checked="" type="checkbox"/> Specify: <u>45 min</u> (Subject to Surcharge) | Fax Results: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Circle Deliverable: C of A / QC Summary / Level 1 / <u>Level 2</u> / Level 3 / Level 4 |
|---|--|--|

|  |  |
|--|--|
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards<br><u>All metals were Field Filtered (6w)</u> | Sample Collection Time Zone<br>Eastern <input type="checkbox"/> <u>Pacific</u> <input checked="" type="checkbox"/> Central <input type="checkbox"/> Other <input type="checkbox"/> Mountain <input type="checkbox"/> |
|--|--|

| Chain of Custody Signatures |                |              | Sample Shipping and Delivery Details |                      |
|-----------------------------|----------------|--------------|--------------------------------------|----------------------|
| Relinquished By (Signed)    | Date           | Time         | Received by (signed)                 | Date                 |
| <u>Kyle Hall</u>            | <u>7/15/08</u> | <u>13:00</u> | <u>R.M. Stoller</u>                  | <u>7/16/08 09:00</u> |
|                             |                |              | GEL PM: <u>Erin Stanley</u>          |                      |
|                             |                |              | Method of Shipment: <u>Fedex</u>     |                      |
|                             |                |              | Date Shipped: <u>7/15/08</u>         |                      |
|                             |                |              | Airbill #:                           |                      |
|                             |                |              | Airbill #:                           |                      |

|   |  |
|---|--|
| 1.) Chain of Custody Number = Client Determined<br>2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite<br>3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.<br>4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal<br>5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).<br>6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank<br><div style="display: flex; justify-content: space-around; margin-top: 10px;"> <span>WHITE = LABORATORY</span> <span>YELLOW = FILE</span> <span>PINK = CLIENT</span> </div> | For Lab Receiving Use Only<br>Custody Seal Intact?<br><u>YES</u> <input checked="" type="checkbox"/> NO <input type="checkbox"/><br>Cooler Temp:<br><u>C</u> |
|---|--|

|                            |  |   |
|----------------------------|--|---|
| Page: <u>9</u> of <u>9</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| Project #: <u>161072</u>   |  |   |
| GEL Quote #:               |  |   |
| COG Number (1):            |  |   |
| PO Number: <u>161072</u>   | GEL Work Order Number:   |   |

|  |                               |                                      |                |                       |                      |   |                            |       |       |                  |        |  |  |  |  |  |  |                           |  |  |  |
|--|-------------------------------|--------------------------------------|----------------|-----------------------|----------------------|---|----------------------------|-------|-------|------------------|--------|--|--|--|--|--|--|---------------------------|--|--|--|
| Client Name: <u>TRC</u> Phone #: <u>415-644-3000</u>   |                               |                                      |                |                       |                      | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                            |       |       |                  |        |  |  |  |  |  |  |                           |  |  |  |
| Project/Site Name: <u>Humboldt Bay Power Plant</u> Fax #: <u>415-541-9378</u>                  |                               |                                      |                |                       |                      | Should this sample be considered:   | Total number of containers |       |       |                  |        |  |  |  |  |  |  | <-- Preservative Type (6) |  |  |  |
| Address: <u>55 2nd St., Suite 575, San Francisco, CA 94105</u>                                 |                               |                                      |                |                       |                      |   |                            |       |       |                  |        |  |  |  |  |  |  |                           |  |  |  |
| Collected by: <u>K. Gillis, M. Sellwood</u> Send Results To: <u>mcarvalho@trcsolutions.com</u> |                               |                                      |                |                       |                      | Radioactive   | TSCA Regulated             | TPH-d | SVOCs | CAM-17 Metals HM | CS-137 | <b>Comments</b><br>Note: extra sample is required for sample specific QC |  |  |  |  |  |                           |  |  |  |
| Sample ID<br><small>*For composites - indicate start and stop date/time</small>                | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(Military) (hhmm) | QC Code<br>(2) | Field Filtered<br>(3) | Sample Matrix<br>(4) |   |                            |       |       |                  |        |  |  |  |  |  |  |                           |  |  |  |
| PS-01c-4.0 Gamma   | 7/15/08                       | 8:40                                 | G              | NA                    | S                    | N   |                            | 1     |       |                  |        | X  |  |  |  |  |  |                           |  |  |  |
| PS-01c-7.0 Gamma   |                               | 9:15                                 |                |                       | S                    |   |                            | 1     |       |                  |        | X  |  |  |  |  |  |                           |  |  |  |
| B-3-1.0  |                               | 9:35                                 |                |                       | S                    |   |                            | 2     | X     | X                | X      |  |  |  |  |  |  |                           |  |  |  |
| B-3-4.0  |                               | 9:50                                 |                |                       | S                    |   |                            | 2     | X     | X                | X      |  |  |  |  |  |  |                           |  |  |  |
| B-3-1.0 Gamma  |                               | 9:35                                 |                |                       | S                    |   |                            | 1     |       |                  |        | X  |  |  |  |  |  |                           |  |  |  |
| B-3-4.0 Gamma  |                               | 9:50                                 |                |                       | S                    |   |                            | 1     |       |                  |        | X  |  |  |  |  |  |                           |  |  |  |
|  |                               |                                      |                |                       |                      |   |                            |       |       |                  |        |  |  |  |  |  |  |                           |  |  |  |
|  |                               |                                      |                |                       |                      |   |                            |       |       |                  |        |  |  |  |  |  |  |                           |  |  |  |
|  |                               |                                      |                |                       |                      |   |                            |       |       |                  |        |  |  |  |  |  |  |                           |  |  |  |
|  |                               |                                      |                |                       |                      |   |                            |       |       |                  |        |  |  |  |  |  |  |                           |  |  |  |
|  |                               |                                      |                |                       |                      |   |                            |       |       |                  |        |  |  |  |  |  |  |                           |  |  |  |
|  |                               |                                      |                |                       |                      |   |                            |       |       |                  |        |  |  |  |  |  |  |                           |  |  |  |
|  |                               |                                      |                |                       |                      |   |                            |       |       |                  |        |  |  |  |  |  |  |                           |  |  |  |
|  |                               |                                      |                |                       |                      |   |                            |       |       |                  |        |  |  |  |  |  |  |                           |  |  |  |
|  |                               |                                      |                |                       |                      |   |                            |       |       |                  |        |  |  |  |  |  |  |                           |  |  |  |

|   |   |   |
|---|---|---|
| LAT Requested: Normal: Rush: <input checked="" type="checkbox"/> Specify: <u>Yes</u> (Subject to Surcharge) Fax Results: Yes / <input checked="" type="checkbox"/> No<br>Circle Deliverable: C of A / QC Summary / Level 1 / <u>Level 2</u> / Level 3 / Level 4 | <b>Remarks:</b> Are there any known hazards applicable to these samples? If so, please list the hazards<br><u>All metals were field filtered (6w)</u> | <b>Sample Collection Time Zone:</b><br>Eastern Pacific<br>Central Other _____<br>Mountain |
|---|---|---|

| Chain of Custody Signatures |                |              |                                  | Sample Shipping and Delivery Details |                              |
|-----------------------------|----------------|--------------|----------------------------------|--------------------------------------|------------------------------|
| Relinquished By (Signed)    | Date           | Time         | Received by (signed)             | Date                                 | Time                         |
| <u>Kyle Miller</u>          | <u>7/15/08</u> | <u>13:00</u> | <u>PM Stelling</u>               | <u>7/16/08</u>                       | <u>07:00</u>                 |
|                             |                |              | GEL PM: <u>Erin Stanley</u>      |                                      |                              |
|                             |                |              | Method of Shipment: <u>Fedex</u> |                                      | Date Shipped: <u>7/15/08</u> |
|                             |                |              | Airbill #:                       |                                      |                              |
|                             |                |              | Airbill #:                       |                                      |                              |

|  |  |   |
|--|--|---|
| 1. Chain of Custody Number = Client Determined<br>2. QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite<br>3. Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.<br>4. Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal<br>5. Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).<br>6. Preservative Type: HIA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank |  | <b>WHITE = LABORATORY</b><br><b>YELLOW = FILE</b><br><b>PINK = CLIENT</b> |
| For Lab Receiving Use Only<br>Custody Seal Intact?<br><u>YES</u> NO<br>Cooler Temp:<br><u>C</u>  |  |   |



Laboratories LLC

## SAMPLE RECEIPT &amp; REVIEW FORM

|                                     |                                     |   |   |
|-------------------------------------|-------------------------------------|---|---|
| Client: <u>TBC</u>                  |                                     | SDG/ARCOC/Work Order: <u>212046, 212047, 212049</u> |   |
| Received By: <u>RMS</u>             |                                     | Date Received: <u>7/16/08</u>                       |   |
| Suspected Hazard Information        | Yes                                 | No  | *If Counts > x2 area background on samples not marked "radioactive", contact the Radiation Safety Group of further investigation. |
| COC/Samples marked as radioactive?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>                            | Maximum Counts Observed*: <u>60 cpm</u>   |
| Classified Radioactive II by RSO?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/>                 |   |
| COC/Samples marked containing PCBs? | <input type="checkbox"/>            | <input checked="" type="checkbox"/>                 |   |
| Shipped as a DOT Hazardous?         | <input type="checkbox"/>            | <input checked="" type="checkbox"/>                 | Hazard Class Shipped: UN#:  |
| Samples identified as Foreign Soil? | <input type="checkbox"/>            | <input checked="" type="checkbox"/>                 |   |

| Sample Receipt Criteria |  | Yes                                 | NA                                  | No                                  | Comments/Qualifiers (Required for Non-Conforming Items)   |
|-------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|---|
| 1                       | Shipping containers received intact and sealed?                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Circle Applicable:<br>seals broken    damaged container    leaking container    other (describe)                |
| 2                       | Samples requiring cold preservation within (4 +/- 2 C)?        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Preservation Method:<br><u>ice bags</u> blue ice    dry ice    none    other (describe)                         |
| 3                       | Chain of custody documents included with shipment?             | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |   |
| 4                       | Sample containers intact and sealed?                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Circle Applicable:<br>seals broken    damaged container    leaking container    other (describe)                |
| 5                       | Samples requiring chemical preservation at proper pH?          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:                               |
| 6                       | VOA vials free of headspace (defined as < 6mm bubble)?         | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Sample ID's and containers affected:  |
| 7                       | Are Encore containers present?                                 | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | (If yes, immediately deliver to Volatiles laboratory)   |
| 8                       | Samples received within holding time?                          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | ID's and tests affected:  |
| 9                       | Sample ID's on COC match ID's on bottles?                      | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Sample ID's and containers affected:  |
| 10                      | Date & time on COC match date & time on bottles?               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Sample ID's affected:   |
| 11                      | Number of containers received match number indicated on COC?   | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Sample ID's affected: <u>2-250 amber &amp; 1-250 mL plastic</u><br><u>There are 3 containers for ID D-7-7.5</u> |
| 12                      | COC form is properly signed in relinquished/received sections? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |   |

Comments:

see continuation sheet

PM (or PMA) review: Initials

RMS

Date

7/16/08



# SAMPLE RECEIPT & REVIEW FORM CONTINUATION FORM

Client: TRC

Date Received: 7/16/05

Page      of     

Fedex ID:

Temp:

8647 1472 6659 5°C

7955 1694 0695 3°C

7955 1694 0662 4°C

8647 1472 6659 4°C

7955 1694 0651 5°C

7955 1694 0673 4°C

7955 1694 0710 3°C

7955 1694 0640 5°C

7955 1694 0700 2°C

**List of current GEL Certifications as of 25 July 2008**

| <b>State</b>              | <b>Certification</b> |
|---------------------------|----------------------|
| Arizona                   | AZ0668               |
| Arkansas                  | 88-0651              |
| CLIA                      | 42D0904046           |
| California - NELAP        | 01151CA              |
| Colorado                  | GEL                  |
| Connecticut               | PH-0169              |
| Dept. of Navy             | NFESC 413            |
| EPA Region 5              | WG-15J               |
| Florida - NELAP           | E87156               |
| Georgia                   | E87156 (FL/NELAP)    |
| Georgia DW                | 967                  |
| Hawaii                    | N/A                  |
| ISO 17025                 | 2567.01              |
| Idaho                     | SC00012              |
| Illinois - NELAP          | 200029               |
| Indiana                   | C-SC-01              |
| Kansas - NELAP            | E-10332              |
| Kentucky                  | 90129                |
| Louisiana - NELAP         | 03046                |
| Maryland                  | 270                  |
| Massachusetts             | M-SC012              |
| Nevada                    | SC00012              |
| New Jersey - NELAP        | SC002                |
| New Mexico                | FL NELAP E87156      |
| New York - NELAP          | 11501                |
| North Carolina            | 233                  |
| North Carolina DW         | 45709                |
| Oklahoma                  | 9904                 |
| Pennsylvania - NELAP      | 68-00485             |
| South Carolina            | 10120001/10120002    |
| Tennessee                 | TN 02934             |
| Texas - NELAP             | T104704235-07B-TX    |
| U.S. Dept. of Agriculture | S-52597              |
| Utah - NELAP              | GEL                  |
| Vermont                   | VT87156              |
| Virginia                  | 00151                |
| Washington                | C1641                |



a member of **The GEL Group** INC



PO Box 30712 Charleston, SC 29417  
2040 Savage Road Charleston, SC 29407

P 843.556.8171 F 843.766.1178

[www.gel.com](http://www.gel.com)

July 30, 2008

Mr. Moises Carvalho  
TRC Solutions, Inc.  
55 2nd Street, Suite 575  
San Francisco, California 94105

Re: Humboldt Bay NPP Project 161072, Task 2400  
Work Order: 212150

Dear Mr. Carvalho:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 17, 2008. This original data report has been prepared **and** reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable **you** to meet your analytical needs on time every time. We trust that you will find everything in order and to your **satisfaction**. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4504.

Sincerely,

A handwritten signature in black ink, appearing to read "Erin Stanley".

Erin Stanley  
Project Manager

Purchase Order: 161072  
Enclosures

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis Report for

TRCS002 TRC Solutions

Client SDG: 212150 GEL Work Order: 212150

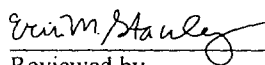
The Qualifiers in this report are defined as follows:

- \* A quality control analyte recovery is outside of specified acceptance criteria
- \*\* Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the detection limit.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Erin Stanley.



Reviewed by

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-2-1.0 Gamma  
Sample ID: 212150006  
Matrix: Soil  
Collect Date: 15-JUL-08 13:50  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammasec, Gamma, Solid "Dry Weight Corrected"*

|            |   |        |           |        |       |       |  |      |          |      |        |   |
|------------|---|--------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.0259 | +/-0.0261 | 0.0499 | 0.100 | pCi/g |  | MJH1 | 07/24/08 | 1330 | 775737 | 1 |
|------------|---|--------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/18/08 | 1226 | 775220     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |



## GEL LABORATORIES LLC

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### Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-2-4.0 Gamma  
Sample ID: 212150007  
Matrix: Soil  
Collect Date: 15-JUL-08 14:20  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |        |           |        |       |       |  |      |          |      |        |   |
|------------|---|--------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.0185 | +/-0.0244 | 0.0431 | 0.100 | pCi/g |  | MJH1 | 07/24/08 | 1331 | 775737 | 1 |
|------------|---|--------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/18/08 | 1226 | 775220     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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### Certificate of Analysis

Company : TRC Solutions, Inc.  
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San Francisco, California 94105

Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-2-7.0 Gamma  
Sample ID: 212150008  
Matrix: Soil  
Collect Date: 15-JUL-08 14:30  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |        |           |        |       |       |  |      |          |      |        |   |
|------------|---|--------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.0123 | +/-0.0333 | 0.0591 | 0.100 | pCi/g |  | MJH1 | 07/24/08 | 1332 | 775737 | 1 |
|------------|---|--------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/18/08 | 1226 | 775220     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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### Certificate of Analysis

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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-6-1.0 Gamma  
Sample ID: 212150009  
Matrix: Soil  
Collect Date: 15-JUL-08 15:15  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result   | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|----------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |          |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |          |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | -0.00926 | +/-0.0266   | 0.0449 | 0.100 | pCi/g |    | MJH1    | 07/24/08 | 1508 | 775737 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/18/08 | 1226 | 775220     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-6-4.0 Gamma  
Sample ID: 212150010  
Matrix: Soil  
Collect Date: 15-JUL-08 15:20  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammasec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |           |        |       |       |  |      |          |      |        |   |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.0163 | +/-0.0414 | 0.0682 | 0.100 | pCi/g |  | MJH1 | 07/25/08 | 0802 | 775737 | 1 |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/18/08 | 1226 | 775220     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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### Certificate of Analysis

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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-6-7.0 Gamma  
Sample ID: 212150011  
Matrix: Soil  
Collect Date: 15-JUL-08 15:35  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result   | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|----------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |          |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |          |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | -0.00589 | +/-0.0511   | 0.0834 | 0.100 | pCi/g |    | MJH1    | 07/25/08 | 0857 | 775737 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/18/08 | 1226 | 775220     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-11-1.0 Gamma  
Sample ID: 212150012  
Matrix: Soil  
Collect Date: 15-JUL-08 16:10  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |          |           |       |       |       |  |      |          |      |        |   |
|------------|---|----------|-----------|-------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.00164 | +/-0.0178 | 0.030 | 0.100 | pCi/g |  | MJH1 | 07/25/08 | 0858 | 775737 | 1 |
|------------|---|----------|-----------|-------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/18/08 | 1226 | 775220     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-11-4:0 Gamma  
Sample ID: 212150013  
Matrix: Soil  
Collect Date: 15-JUL-08 16:20  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |          |           |        |       |       |  |      |          |      |        |   |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.00639 | +/-0.0345 | 0.0589 | 0.100 | pCi/g |  | MJH1 | 07/25/08 | 0858 | 775737 | I |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/18/08 | 1226 | 775220     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| I      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-11-7.0 Gamma  
Sample ID: 212150014  
Matrix: Soil  
Collect Date: 15-JUL-08 16:55  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL    | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|-------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |       |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |       |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | 0.049  | +/-0.0631   | 0.112 | 0.100 | pCi/g |    | MJH1    | 07/26/08 | 0614 | 775737 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSWI    | 07/18/08 | 1226 | 775220     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |



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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-4-1.0 Gamma  
Sample ID: 212150015  
Matrix: Soil  
Collect Date: 16-JUL-08 07:50  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result   | Uncertainty | DL     | RL    | Units | DF | AnalystDate   | Time | Batch  | Method |
|--|-----------|----------|-------------|--------|-------|-------|----|---------------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |          |             |        |       |       |    |               |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |          |             |        |       |       |    |               |      |        |        |
| Cesium-137   | U         | -0.00459 | +/-0.0529   | 0.0865 | 0.100 | pCi/g |    | MJH1 07/25/08 | 1001 | 775737 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSWI    | 07/18/08 | 1226 | 775220     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-4-4.0 Gamma  
Sample ID: 212150016  
Matrix: Soil  
Collect Date: 16-JUL-08 08:10  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL    | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|-------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |       |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |       |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | 0.0104 | +/-0.036    | 0.062 | 0.100 | pCi/g |    | MJH1    | 07/26/08 | 0614 | 775737 | 1      |

#### **The following Prep Methods were performed**

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/18/08 | 1226 | 775220     |

#### **The following Analytical Methods were performed**

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: PS-06C-0.5 Gamma  
Sample ID: 212150017  
Matrix: Soil  
Collect Date: 16-JUL-08 08:40  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL    | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|-------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |       |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |       |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | 0.0195 | +/-0.0262   | 0.049 | 0.100 | pCi/g |    | MJH1    | 07/26/08 | 0615 | 775737 | 1      |

### **The following Prep Methods were performed**

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/18/08 | 1226 | 775220     |

### **The following Analytical Methods were performed**

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task 2400**

Client Sample ID: PS-06C-2.0 Gamma  
Sample ID: 212150018  
Matrix: Soil  
Collect Date: 16-JUL-08 08:50  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |          |        |       |       |  |      |          |      |        |   |
|------------|---|---------|----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.00529 | +/-0.023 | 0.0395 | 0.100 | pCi/g |  | MJH1 | 07/26/08 | 0616 | 775737 | 1 |
|------------|---|---------|----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSWI    | 07/18/08 | 1226 | 775220     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: PS-06C-6.5 Gamma  
Sample ID: 212150019  
Matrix: Soil  
Collect Date: 16-JUL-08 09:20  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |          |           |        |       |       |  |      |          |      |        |   |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.00126 | +/-0.0394 | 0.0667 | 0.100 | pCi/g |  | MJH1 | 07/26/08 | 0902 | 775737 | 1 |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/18/08 | 1226 | 775220     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-12-1.0 Gamma  
Sample ID: 212150020  
Matrix: Soil  
Collect Date: 16-JUL-08 10:00  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | AnalystDate | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|-------------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|-------------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammasec, Gamma, Solid "Dry Weight Corrected"*

|            |  |        |           |        |       |       |  |                    |        |   |  |
|------------|--|--------|-----------|--------|-------|-------|--|--------------------|--------|---|--|
| Cesium-137 |  | 0.0962 | +/-0.0609 | 0.0507 | 0.100 | pCi/g |  | MJH1 07/26/08 0903 | 775737 | 1 |  |
|------------|--|--------|-----------|--------|-------|-------|--|--------------------|--------|---|--|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/18/08 | 1226 | 775220     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-12-4.0 Gamma  
Sample ID: 212150021  
Matrix: Soil  
Collect Date: 16-JUL-08 10:15  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | 0.0108 | +/-0.0347   | 0.0577 | 0.100 | pCi/g |    | MJH1    | 07/26/08 | 0903 | 775737 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-32-1.0 Gamma  
Sample ID: 212150022  
Matrix: Soil  
Collect Date: 16-JUL-08 10:40  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |       |           |       |       |       |  |      |          |      |        |   |
|------------|---|-------|-----------|-------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.031 | +/-0.0309 | 0.060 | 0.100 | pCi/g |  | MJH1 | 07/26/08 | 0904 | 775737 | 1 |
|------------|---|-------|-----------|-------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |



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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-32-4.0 Gamma  
Sample ID: 212150023  
Matrix: Soil  
Collect Date: 16-JUL-08 11:00  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Metho |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|-------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|-------|

#### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |        |           |        |       |       |  |      |          |      |        |   |
|------------|---|--------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.0137 | +/-0.0259 | 0.0451 | 0.100 | pCi/g |  | MJH1 | 07/26/08 | 0905 | 775737 | 1 |
|------------|---|--------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-32-8.0 Gamma  
Sample ID: 212150024  
Matrix: Soil  
Collect Date: 16-JUL-08 11:40  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |           |        |       |       |  |      |          |      |        |   |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.0174 | +/-0.0294 | 0.0479 | 0.100 | pCi/g |  | MJH1 | 07/26/08 | 0905 | 775737 | 1 |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300; 4.5.2.3 |                  |

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Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: PS-02C-0.3 Gamma  
Sample ID: 212150025  
Matrix: Soil  
Collect Date: 15-JUL-08 10:20  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |           |        |       |       |  |      |          |      |        |   |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.00702 | +/-0.0422 | 0.0727 | 0.100 | pCi/g |  | MJH1 | 07/26/08 | 1120 | 775737 | 1 |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: PS-02C-4.5 Gamma  
Sample ID: 212150026  
Matrix: Soil  
Collect Date: 15-JUL-08 10:45  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |          |           |        |       |       |  |      |          |      |        |   |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 9.82E-06 | +/-0.0299 | 0.0505 | 0.100 | pCi/g |  | MJH1 | 07/24/08 | 1031 | 775746 | 1 |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: PS-02C-7.5 Gamma  
Sample ID: 212150027  
Matrix: Soil  
Collect Date: 15-JUL-08 11:00  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |           |        |       |       |  |      |          |      |        |   |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.0174 | +/-0.0442 | 0.0697 | 0.100 | pCi/g |  | MJH1 | 07/24/08 | 1032 | 775746 | 1 |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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San Francisco, California 94105

Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-5-0.5 Gamma  
Sample ID: 212150028  
Matrix: Soil  
Collect Date: 15-JUL-08 14:20  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |        |           |        |       |       |  |      |          |      |        |   |
|------------|---|--------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.0126 | +/-0.0177 | 0.0337 | 0.100 | pCi/g |  | MJH1 | 07/24/08 | 1043 | 775746 | 1 |
|------------|---|--------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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### Certificate of Analysis

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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-5-4.5 Gamma  
Sample ID: 212150029  
Matrix: Soil  
Collect Date: 15-JUL-08 15:45  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | 0.0196 | +/-0.0432   | 0.0772 | 0.100 | pCi/g |    | MJH1    | 07/24/08 | 1043 | 775746 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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### Certificate of Analysis

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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-1-0.5 Gamma  
Sample ID: 212150030  
Matrix: Soil  
Collect Date: 15-JUL-08 16:25  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  |           | 0.200  | +/-0.0772   | 0.0553 | 0.100 | pCi/g |    | MJH1    | 07/24/08 | 1048 | 775746 | 1      |

#### **The following Prep Methods were performed**

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

#### **The following Analytical Methods were performed**

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |



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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task 2400**

Client Sample ID: B-1-4.5 Gamma  
Sample ID: 212150031  
Matrix: Soil  
Collect Date: 15-JUL-08 16:40  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result   | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|----------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |          |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |          |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | -0.00513 | +/-0.0374   | 0.0625 | 0.100 | pCi/g |    | MJH1    | 07/24/08 | 1055 | 775746 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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### Certificate of Analysis

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San Francisco, California 94105

Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-10-0.5 Gamma  
Sample ID: 212150032  
Matrix: Soil  
Collect Date: 16-JUL-08 08:00  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | 0.0104 | +/-0.0234   | 0.0413 | 0.100 | pCi/g |    | MJH1    | 07/24/08 | 1056 | 775746 | 1      |

#### **The following Prep Methods were performed**

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

#### **The following Analytical Methods were performed**

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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### Certificate of Analysis

Company : TRC Solutions, Inc.  
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Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task 2400**

Client Sample ID: B-10-4.5 Gamma  
Sample ID: 212150033  
Matrix: Soil  
Collect Date: 16-JUL-08 09:05  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result  | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|---------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |         |             |        |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | -0.0147 | +/-0.0371   | 0.0575 | 0.100 | pCi/g |    | MJH1    | 07/24/08 | 1110 | 775746 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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## Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-8-0.5 Gamma  
Sample ID: 212150034  
Matrix: Soil  
Collect Date: 16-JUL-08 09:30  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   |           | 0.116  | +/-0.0461   | 0.0444 | 0.100 | pCi/g |    | MJH1    | 07/24/08 | 1111 | 775746 | 1      |

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-8-4.5 Gamma  
Sample ID: 212150035  
Matrix: Soil  
Collect Date: 16-JUL-08 09:50  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   |           | 0.175  | +/-0.0753   | 0.0602 | 0.100 | pCi/g |    | MJH1    | 07/24/08 | 1126 | 775746 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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### Certificate of Analysis

Company : TRC Solutions, Inc.  
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San Francisco, California 94105

Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-18-0.5 Gamma  
Sample ID: 212150036  
Matrix: Soil  
Collect Date: 16-JUL-08 10:47  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | 0.0123 | +/-0.0203   | 0.0376 | 0.100 | pCi/g |    | MJH1    | 07/24/08 | 1201 | 775746 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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### Certificate of Analysis

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San Francisco, California 94105

Report Date: July 30, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-18-4.5 Gamma  
Sample ID: 212150037  
Matrix: Soil  
Collect Date: 16-JUL-08 11:05  
Receive Date: 17-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |           |        |       |       |  |      |          |      |        |   |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.0132 | +/-0.0313 | 0.0509 | 0.100 | pCi/g |  | MJH1 | 07/24/08 | 1219 | 775746 | 1 |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/18/08 | 1310 | 775221     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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## QC Summary

Report Date: July 30, 2008

Page 1 of 2

TRC Solutions, Inc.  
55 2nd Street, Suite 575  
San Francisco, California

Contact: Mr. Moises Carvalho

Workorder: 212150

| Parmname       | NOM       | Sample | Qual      | QC | Units     | RPD%  | REC% | Range      | Anlst    | Date     | Time  |
|----------------|-----------|--------|-----------|----|-----------|-------|------|------------|----------|----------|-------|
| Rad Gamma Spec |           |        |           |    |           |       |      |            |          |          |       |
| Batch          | 775737    |        |           |    |           |       |      |            |          |          |       |
| QC1201625032   | 212150006 | DUP    |           |    |           |       |      |            |          |          |       |
| Cesium-137     |           | U      | 0.0259    | U  | -0.000777 | pCi/g | 212  |            | N/A MJH1 | 07/26/08 | 11:21 |
|                |           |        | +/-0.0261 |    | +/-0.0214 |       |      |            |          |          |       |
| QC1201625033   | LCS       |        |           |    |           |       |      |            |          |          |       |
| Americium-241  | 15.9      |        |           |    | 13.9      | pCi/g | 87   | (75%-125%) |          | 07/26/08 | 11:22 |
|                |           |        |           |    | +/-1.67   |       |      |            |          |          |       |
| Cesium-137     | 6.02      |        |           |    | 5.82      | pCi/g | 97   | (75%-125%) |          |          |       |
|                |           |        |           |    | +/-0.410  |       |      |            |          |          |       |
| Cobalt-60      | 7.85      |        |           |    | 7.63      | pCi/g | 97   | (75%-125%) |          |          |       |
|                |           |        |           |    | +/-0.687  |       |      |            |          |          |       |
| QC1201625031   | MB        |        |           |    |           |       |      |            |          |          |       |
| Cesium-137     |           |        |           | U  | 0.0138    | pCi/g |      |            |          | 07/26/08 | 11:21 |
|                |           |        |           |    | +/-0.0192 |       |      |            |          |          |       |
| Batch          | 775746    |        |           |    |           |       |      |            |          |          |       |
| QC1201625057   | 212150026 | DUP    |           |    |           |       |      |            |          |          |       |
| Cesium-137     |           | U      | 9.82E-06  | U  | 0.0217    | pCi/g | 200  |            | N/A MJH1 | 07/24/08 | 13:02 |
|                |           |        | +/-0.0299 |    | +/-0.0361 |       |      |            |          |          |       |
| QC1201625058   | LCS       |        |           |    |           |       |      |            |          |          |       |
| Americium-241  | 15.9      |        |           |    | 13.3      | pCi/g | 84   | (75%-125%) |          | 07/24/08 | 13:02 |
|                |           |        |           |    | +/-1.11   |       |      |            |          |          |       |
| Cesium-137     | 6.02      |        |           |    | 5.88      | pCi/g | 98   | (75%-125%) |          |          |       |
|                |           |        |           |    | +/-0.451  |       |      |            |          |          |       |
| Cobalt-60      | 7.85      |        |           |    | 7.72      | pCi/g | 98   | (75%-125%) |          |          |       |
|                |           |        |           |    | +/-0.576  |       |      |            |          |          |       |
| QC1201625056   | MB        |        |           |    |           |       |      |            |          |          |       |
| Cesium-137     |           |        |           | U  | 0.00132   | pCi/g |      |            |          | 07/24/08 | 12:20 |
|                |           |        |           |    | +/-0.0125 |       |      |            |          |          |       |

### Notes:

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- H Analytical holding time was exceeded



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## QC Summary

Workorder: 212150

Page 2 of 2

| Parmname | NOM   | Sample Qual | QC | Units | RPD% | REC% | Range | Anlst | Date | Time |
|----------|---|-------------|----|-------|------|------|-------|-------|------|------|
| J        | Value is estimated  |             |    |       |      |      |       |       |      |      |
| M        | M if above MDC and less than LLD  |             |    |       |      |      |       |       |      |      |
| N/A      | RPD or %Recovery limits do not apply.   |             |    |       |      |      |       |       |      |      |
| ND       | Analyte concentration is not detected above the detection limit   |             |    |       |      |      |       |       |      |      |
| NJ       | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier  |             |    |       |      |      |       |       |      |      |
| R        | Sample results are rejected   |             |    |       |      |      |       |       |      |      |
| U        | Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.  |             |    |       |      |      |       |       |      |      |
| UI       | Gamma Spectroscopy--Uncertain identification  |             |    |       |      |      |       |       |      |      |
| X        | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier  |             |    |       |      |      |       |       |      |      |
| Y        | QC Samples were not spiked with this compound   |             |    |       |      |      |       |       |      |      |
| ^        | RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier <b>Not Applicable</b> for Radiochemistry. |             |    |       |      |      |       |       |      |      |
| h        | Preparation or preservation holding time was exceeded   |             |    |       |      |      |       |       |      |      |

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a **factor** of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

|   |  |   |
|---|--|---|
| Page _____ of <u>5</u><br>Project #: <u>161072</u><br>GEL Quote #: _____<br>GEL Number (1): _____<br>PO Number: <u>161072</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number: <u>212141/212150/212151</u>  |  |   |

|  |                               |  |                |   |                            |                    |                   |               |        |   |   |  |  |   |  |                       |   |
|--|-------------------------------|--|----------------|---|----------------------------|--------------------|-------------------|---------------|--------|---|---|--|--|---|--|-----------------------|---|
| Client Name: <u>TRC</u>  |                               | Phone #: <u>415-644-3000</u>                       |                | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                            |                    |                   |               |        |   |   |  |  |   |  |                       |   |
| Project/Site Name: <u>HBPP</u>   |                               | Fax #: <u>415-541-9378</u>                         |                | Should this sample be considered:   | Total number of containers | TPH-0              | SVOCs             | CAM-17 Metals | CS-137 |   |   |  |  |   |  | Preservative Type (6) | Comments<br>Note: extra sample is required for sample specific QC |
| Address: <u>55 2nd St., Suite 575, San Francisco, CA 94105</u>                   |                               |  |                |   |                            |                    |                   |               |        |   |   |  |  |   |  |                       |   |
| Collected by: <u>K. Gillis</u>   |                               | Send Results To: <u>mcarvalho@trcsolutions.com</u> |                | Radioactive   | TSCA Regulated             |                    |                   |               |        |   |   |  |  |   |  |                       |   |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(Military) (hhmm)               | QC Code<br>(1) |   |                            | Field Filtered (4) | Sample Matrix (4) |               |        |   |   |  |  |   |  |                       |   |
| PS-01c-1.0   | 7/15/08                       | 8:20   | G              | MA  | SO                         | N                  |                   | 2             | X      | X | X |  |  |   |  |                       |   |
| PS-01c-1.0 Gamma   |                               | 8:20   |                |   |                            |                    |                   | 1             |        |   |   |  |  |   |  |                       |   |
| PS-01c-4.0   |                               | 8:40   |                |   |                            |                    |                   | 2             | X      | X | X |  |  |   |  |                       |   |
| PS-01c-4.0 Gamma   |                               | 8:40   |                |   |                            |                    |                   | 1             |        |   |   |  |  | X |  |                       |   |
| PS-01c-7.0   |                               | 9:15   |                |   |                            |                    |                   | 2             | X      | X | X |  |  |   |  |                       |   |
| PS-01c-7.0 Gamma   |                               | 9:15   |                |   |                            |                    |                   | 1             |        |   |   |  |  | X |  |                       |   |
| B-3-1.0  |                               | 9:35   |                |   |                            |                    |                   | 2             | X      | X | X |  |  |   |  |                       |   |
| B-3-1.0 Gamma  |                               | 9:35   |                |   |                            |                    |                   | 1             |        |   |   |  |  | X |  |                       |   |
| B-3-4.0  |                               | 9:50   |                |   |                            |                    |                   | 2             | X      | X | X |  |  |   |  |                       |   |
| B-3-4.0 Gamma  |                               | 9:50   |                |   |                            |                    |                   | 1             |        |   |   |  |  | X |  |                       |   |

|  |  |                              |  |  |  |
|--|--|------------------------------|--|--|--|
| EXT Requested: Normal: _____ Rush: <u>X</u> Specify: <u>48 hr.</u> (Subject to Surcharge)  |  | Fax Results: Yes / <u>No</u> |  | Circle Deliverable: C of A / QC Summary / Level 1 / <u>Level 2</u> / Level 3 / Level 4   |  |
| Remarks: <u>Are there any known hazards applicable to these samples? If so, please list the hazards</u><br><u>PM metals were field filtered (6w)</u> |  |                              |  | Sample Collection Time Zone<br>Eastern <u>Pacific</u><br>Central _____<br>Mountain _____ |  |

| Chain of Custody Signatures |                |              | Sample Shipping and Delivery Details |                |
|-----------------------------|----------------|--------------|--------------------------------------|----------------|
| Relinquished By (Signed)    | Date           | Time         | Received by (signed)                 | Date           |
| <u>Kyle Gillis</u>          | <u>7/16/08</u> | <u>13:00</u> | <u>Kyle Stanley</u>                  | <u>7-17-08</u> |
|                             |                |              | GEL PM: <u>Erin Stanley</u>          |                |
|                             |                |              | Method of Shipment: <u>Fedex</u>     |                |
|                             |                |              | Date Shipped: <u>7/16/08</u>         |                |
|                             |                |              | Airbill #:                           |                |
|                             |                |              | Airbill #:                           |                |

|   |  |  |
|---|--|--|
| Chain of Custody Number = Client Determined   |  | For Lab Receiving Use Only<br><br>Custody Seal Intact?<br>YES NO<br><br>Cooler Temp:<br><u>4</u> C |
| GEL Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grah, C = Composite                                 |  |  |
| Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.  |  |  |
| Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal                   |  |  |
| Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).  |  |  |
| Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added - leave field blank |  |  |
| WHITE = LABORATORY      YELLOW = FILE      PINK = CLIENT  |  |  |

|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|---|--|---------------------------------------|---------|--|--|---|--|--|--|---|--|---|----------------------|----------------------------|--|-------|--|--|--|---------------|--|--------|-------|-----------------------|--|---|--|---|--|--|--|--|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Age: 2 of 5  |  | GEL Chain of Custody and Analytical Request |  |                                       |         |  |  |   |  |  |  | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project #: 161072  |  | GEL Work Order Number:                      |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JEL Quote #:   |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JOC Number (1):  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PO Number: 161072  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Client Name: TRC   |  | Phone #: 415-644-3000                       |  |                                       |         | Sample Analysis Requested (5) (Fill in the number of containers for each test) |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project/Site Name: HBPP  |  | Fax #: 415-541-9378                         |  |                                       |         | Should this sample be considered:  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Address: 55 2nd St, Suite 575, San Francisco, CA 94105   |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Collected by: K. Gillis  |  | Send Results To: mcarvalho@trcsolutions.com |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sample ID  |  | *Date Collected<br>(mm-dd-yy)               |  | *Time Collected<br>(hhmm)             |         | QC Code<br>(1)   |  | Field Filtered (1)  |  | Sample Matrix (1)  |  | Radiative   |  | TSCA Regulated  |                      | Total number of containers |  | TPH-d |  | SVOCs  |  | CAM-17 Metals |  | CS-137 |       | Preservative Type (6) |  | Comments<br>Note: extra sample is required for sample specific QC |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| * For composites - indicate start and stop date/time   |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B-2-1.0  |  | 7/15/08                                     |  | 13:50                                 |         | G  |  | NA  |  | SO   |  | N   |  |   |                      | 2                          |  | X     |  | X  |  | X             |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B-2-1.0 Gamma  |  |   |  | 13:50                                 |         |  |  |   |  |  |  |   |  |   |                      | 1                          |  |       |  |  |  |               |  | X      |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B-2-4.0  |  |   |  | 14:20                                 |         |  |  |   |  |  |  |   |  |   |                      | 2                          |  | X     |  | X  |  | X             |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B-2-4.0 Gamma  |  |   |  | 14:20                                 |         |  |  |   |  |  |  |   |  |   |                      | 1                          |  |       |  |  |  |               |  | X      |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B-2-7.0  |  |   |  | 14:30                                 |         |  |  |   |  |  |  |   |  |   |                      | 2                          |  | X     |  | X  |  | X             |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B-2-7.0 Gamma  |  |   |  | 14:30                                 |         |  |  |   |  |  |  |   |  |   |                      | 1                          |  |       |  |  |  |               |  | X      |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B-6-1.0  |  |   |  | 15:15                                 |         |  |  |   |  |  |  |   |  |   |                      | 2                          |  | X     |  | X  |  | X             |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B-6-1.0 Gamma  |  |   |  | 15:15                                 |         |  |  |   |  |  |  |   |  |   |                      | 1                          |  |       |  |  |  |               |  | X      |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B-6-4.0  |  |   |  | 15:20                                 |         |  |  |   |  |  |  |   |  |   |                      | 2                          |  | X     |  | X  |  | X             |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B-6-4.0 Gamma  |  |   |  | 15:20                                 |         |  |  |   |  |  |  |   |  |   |                      | 1                          |  |       |  |  |  |               |  | X      |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TAT Requested: Normal:   |  | Rush: X                                     |  | Specify: 48 hr. (Subject to Surchage) |         | Fax Results: Yes / No  |  | Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4 |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards |  |   |  |                                       |         |  |  |   |  |  |  |   |  | Sample Collection Time Zone<br>Eastern Pacific<br>Central Other<br>Mountain |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All metals were field filtered (GW)  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Chain of Custody Signatures  |  |   |  |                                       |         |  |  |   |  | Sample Shipping and Delivery Details   |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished By (Signed)   |  |   |  |                                       | Date    |  |  |   |  | Time   |  |   |  |   | Received by (signed) |                            |  |       |  | Date   |  |               |  |        | Time  |                       |  |   |  | GEL PM: Erin Stanley  |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Kyle Hills   |  |   |  |                                       | 7/16/08 |  |  |   |  | 13:00  |  |   |  |   | Mike Kahr            |                            |  |       |  | 7-17-08  |  |               |  |        | 09:45 |                       |  |   |  | Method of Shipment: Fedex   |  |  |  |  | Date Shipped: 7/16/08 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.) Chain of Custody Number = Client Determined  |  |   |  |                                       |         |  |  |   |  | 2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite |  |   |  |   |                      |                            |  |       |  | 3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered. |  |               |  |        |       |                       |  |   |  | 4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal |  |  |  |  |                       |  |  |  |  | 5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1). |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |   |  |                                       |         |  |  |   |  |  |  |   |  |   |                      |                            |  |       |  |  |  |               |  |        |       |                       |  |   |  |   |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                            |  |   |
|----------------------------|--|---|
| Page: <u>3</u> of <u>5</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| Project # <u>161072</u>    | GEL Work Order Number:   |   |
| JEL Guide #                |  |   |
| JEL Number                 |  |   |
| PO Number <u>161072</u>    |  |   |

|                         |                              |   |
|-------------------------|------------------------------|---|
| Client Name: <u>TRC</u> | Phone #: <u>415-644-3000</u> | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |
|-------------------------|------------------------------|---|

|                                |                            |   |
|--------------------------------|----------------------------|---|
| Project/Site Name: <u>HBPP</u> | Fax #: <u>415-541-9378</u> | Should this sample be considered:<br>Total number of containers: <u>TPH-8</u> <u>SVOCs</u> <u>CAN-17 Metals</u> <u>CS-137</u> |
|--------------------------------|----------------------------|---|

|  |   |
|--|---|
| Address: <u>55 2nd St., Suite 575, San Francisco, CA 94105</u> | Send Results To: <u>mcarvalho@trcsolutions.com</u><br>Comments: Note: extra sample is required for sample specific QC |
|--|---|

| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(Military)<br>(hhmm) | QC Code<br>(1) | Field Filtered<br>(2) | Sample Matrix<br>(3) | Radioactive | TSCA Regulated | Total number of containers | TPH-8 | SVOCs | CAN-17 Metals | CS-137 | Preservative Type (6) | Comments |
|--|-------------------------------|---|----------------|-----------------------|----------------------|-------------|----------------|----------------------------|-------|-------|---------------|--------|-----------------------|----------|
| B-6-7.0  | 7/15/08                       | 15:35                                   | G              | NA                    | SO                   | N           |                | 2                          | X     | X     | X             |        |                       |          |
| B-6-7.0 Gamma  |                               | 15:35                                   |                |                       |                      |             |                | 1                          |       |       |               | X      |                       |          |
| B-11-1.0   |                               | 16:10                                   |                |                       |                      |             |                | 2                          | X     | X     | X             |        |                       |          |
| B-11-1.0 Gamma   |                               | 16:10                                   |                |                       |                      |             |                | 1                          |       |       |               | X      |                       |          |
| B-11-4.0   |                               | 16:20                                   |                |                       |                      |             |                | 2                          | X     | X     | X             |        |                       |          |
| B-11-4.0 Gamma   |                               | 16:20                                   |                |                       |                      |             |                | 1                          |       |       |               | X      |                       |          |
| B-11-7.0   |                               | 16:55                                   |                |                       |                      |             |                | 2                          | X     | X     | X             |        |                       |          |
| B-11-7.0 Gamma   |                               | 16:55                                   |                |                       |                      |             |                | 1                          |       |       |               | X      |                       |          |
| B-4-1.0  | 7/16/08                       | 7:50                                    |                |                       |                      |             |                | 2                          | X     | X     | X             |        |                       |          |
| B-4-1.0 Gamma  | 7/16/08                       | 7:50                                    |                |                       |                      |             |                | 1                          |       |       |               | X      |                       |          |

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|--|---|---|
| Requested: Normal; Rush: <input checked="" type="checkbox"/> Specify: <u>48 hr.</u> (Subject to Surcharge) | Fax Results: Yes / <input checked="" type="checkbox"/> No | Circle Deliverable: C of A / QC Summary / Level 1 / <input checked="" type="checkbox"/> Level 3 / Level 4 |
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| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards<br><u>All metals were field filtered (6w)</u> | Sample Collection Time Zone<br>Eastern <input checked="" type="checkbox"/> Pacific <input checked="" type="checkbox"/><br>Central Other _____<br>Mountain |
|--|---|

| Chain of Custody Signatures   | Sample Shipping and Delivery Details |               |      |                   |                |              |  |                      |      |      |                     |                |             |
|---|--------------------------------------|---------------|------|-------------------|----------------|--------------|--|----------------------|------|------|---------------------|----------------|-------------|
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Relinquished By (Signed)</th> <th>Date</th> <th>Time</th> </tr> <tr> <td><u>Kyle Hills</u></td> <td><u>7/16/08</u></td> <td><u>13:00</u></td> </tr> </table> | Relinquished By (Signed)             | Date          | Time | <u>Kyle Hills</u> | <u>7/16/08</u> | <u>13:00</u> | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Received by (signed)</th> <th>Date</th> <th>Time</th> </tr> <tr> <td><u>Erin Stanley</u></td> <td><u>7-17-08</u></td> <td><u>0945</u></td> </tr> </table> | Received by (signed) | Date | Time | <u>Erin Stanley</u> | <u>7-17-08</u> | <u>0945</u> |
| Relinquished By (Signed)  | Date                                 | Time          |      |                   |                |              |  |                      |      |      |                     |                |             |
| <u>Kyle Hills</u>   | <u>7/16/08</u>                       | <u>13:00</u>  |      |                   |                |              |  |                      |      |      |                     |                |             |
| Received by (signed)  | Date                                 | Time          |      |                   |                |              |  |                      |      |      |                     |                |             |
| <u>Erin Stanley</u>   | <u>7-17-08</u>                       | <u>0945</u>   |      |                   |                |              |  |                      |      |      |                     |                |             |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>1</td> <td><u>161072</u></td> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>3</td> <td></td> </tr> </table>   | 1                                    | <u>161072</u> | 2    |                   | 3              |              | GEL PM: <u>Erin Stanley</u><br>Method of Shipment: <u>Fedex</u> Date Shipped: <u>7/16/08</u><br>Airbill #: _____<br>Airbill #: _____   |                      |      |      |                     |                |             |
| 1   | <u>161072</u>                        |               |      |                   |                |              |  |                      |      |      |                     |                |             |
| 2   |                                      |               |      |                   |                |              |  |                      |      |      |                     |                |             |
| 3   |                                      |               |      |                   |                |              |  |                      |      |      |                     |                |             |

|  |  |
|--|--|
| Chain of Custody Number = Client Determined<br>QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite<br>Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.<br>Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal<br>Analytical Method Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).<br>Preservative: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = HCl, T = Sodium Thiosulfate. If no preservative is added = leave field blank<br>WHITE = LABORATORY YELLOW = FILE PINK = CLIENT | For Lab Receiving Use Only<br>Custody Seal Intact?<br>YES NO<br>Cooler Temp:<br><u>4</u> C |
|--|--|

age: 4 of 5  
 Project #: 161072  
 iEL Quote #:  
 LOC Number <sup>(1)</sup>:  
 LO Number: 161072

**GEL Chain of Custody and Analytical Request**

GEL Laboratories, LLC  
 2040 Savage Road  
 Charleston, SC 29407  
 Phone: (843) 556-8171  
 Fax: (843) 766-1178

GEL Work Order Number:

Client Name: JRL Phone #: 415-644-3000

Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test)

Project/Site Name: HBPP Fax #: 415-541-9378

Address: 55 2nd St., Suite 575, San Francisco, CA 94105

Collected by: Send Results To:

| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | * Date Collected<br>(mm-dd-yy) | * Time Collected<br>(Military) (hhmm) | QC Code<br>(a) | Field Filtered<br>(b) | Sample Matrix<br>(c) | Radioactive | TSCA Regulated | Total number of containers | TPH-D | SVOCs | CM-17 Metals | CS-137 | Preservative Type (6) | Comments<br><small>Note: extra sample is required for sample specific QC</small> |
|--|--------------------------------|---------------------------------------|----------------|-----------------------|----------------------|-------------|----------------|----------------------------|-------|-------|--------------|--------|-----------------------|--|
| B-4-4.0  | 7/16/08                        | 8:10                                  | G              | NA                    | SO                   | N           |                | 2                          | X     | X     | X            |        |                       |  |
| B-4-4.0 Gamma  |                                | 8:10                                  |                |                       |                      |             |                | 1                          |       |       | X            |        |                       |  |
| PS-06c-0.5   |                                | 8:40                                  |                |                       |                      |             |                | 2                          | X     | X     | X            |        |                       |  |
| PS-06c-0.5 Gamma   |                                | 8:40                                  |                |                       |                      |             |                | 1                          |       |       |              | X      |                       |  |
| PS-06c-2.0   |                                | 8:50                                  |                |                       |                      |             |                | 2                          | X     | X     | X            |        |                       |  |
| PS-06c-2.0 Gamma   |                                | 8:50                                  |                |                       |                      |             |                | 1                          |       |       |              | X      |                       |  |
| PS-06c-6.5   |                                | 9:20                                  |                |                       |                      |             |                | 2                          | X     | X     | X            |        |                       |  |
| PS-06c-6.5 Gamma   |                                | 9:20                                  |                |                       |                      |             |                | 1                          |       |       |              | X      |                       |  |
| B-12-1.0   |                                | 10:00                                 |                |                       |                      |             |                | 2                          | X     | X     | X            |        |                       |  |
| B-12-1.0 Gamma   |                                | 10:00                                 |                |                       |                      |             |                | 1                          |       |       |              | X      |                       |  |

TAT Requested: Normal: Rush: ☒ Specify: 40 hr. (Subject to Surcharge) Fax Results: Yes / ☒ No Circle Deliverable: C of A / QC Summary / Level 1 / ☒ Level 2 / Level 3 / Level 4

Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards  
All metals were field filtered (6w)

Sample Collection Time Zone  
 Eastern ☒ Pacific  
 Central Other \_\_\_\_\_ Mountain

| Chain of Custody Signatures |                |              |                      |                |              | Sample Shipping and Delivery Details |                |
|-----------------------------|----------------|--------------|----------------------|----------------|--------------|--------------------------------------|----------------|
| Relinquished By (Signed)    | Date           | Time         | Received by (signed) | Date           | Time         | GEL PM:                              |                |
| <u>Kyle Miller</u>          | <u>7/16/08</u> | <u>13:00</u> | <u>Mike Kehr</u>     | <u>7-17-08</u> | <u>09:05</u> | <u>Erin Stanley</u>                  |                |
|                             |                |              |                      |                |              | Method of Shipment:                  | <u>Fedex</u>   |
|                             |                |              |                      |                |              | Date Shipped:                        | <u>7/16/08</u> |
|                             |                |              |                      |                |              | Airbill #:                           |                |
|                             |                |              |                      |                |              | Airbill #:                           |                |

1.) Chain of Custody Number = Client Determined  
 2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite  
 3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.  
 4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal  
 5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).  
 6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank  
 PINK = CLIENT

For Lab Receiving Use Only  
 Custody Seal Intact?  
 YES NO  
 Cooler Temp:  
4 C

Page 5 of 5  
Project # 161072  
Alt. Quote # \_\_\_\_\_  
OC Number \_\_\_\_\_  
PO Number 161072

## GEL Chain of Custody and Analytical Request

GEL Work Order Number: \_\_\_\_\_

GEL Laboratories, LLC  
2040 Savage Road  
Charleston, SC 29407  
Phone: (843) 556-8171  
Fax: (843) 766-1178

Client Name TRC Phone #: 415-644-3000

Project/Site Name: HBRP Fax #: 415-541-9378

Address 55 and st, Suite 575, San Francisco, CA 94105

Collected by: 15. Gillis Send Results To: mcarvalho@resolutions.com

Should this sample be considered:

Total number of containers

TPA-D

SVOCs

CAM-17 Metals

CS-137

Preservative Type (6)

Comments  
Note: extra sample is required for sample specific QC

| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(Military) (hhmm) | QC Code<br>(1) | Field Filtered<br>(2) | Sample Matrix<br>(3) | Radioactive | TSCA Regulated | Total number of containers | TPA-D | SVOCs | CAM-17 Metals | CS-137 |  |  |  |  |  |  |  |  |
|--|-------------------------------|--------------------------------------|----------------|-----------------------|----------------------|-------------|----------------|----------------------------|-------|-------|---------------|--------|--|--|--|--|--|--|--|--|
| B-12-4.0   | 7/16/08                       | 10:15                                | G              | NA                    | SO                   | N           |                | 2                          | X     | X     | X             |        |  |  |  |  |  |  |  |  |
| B-12-4.0 Gamma   |                               | 10:15                                |                |                       |                      |             |                | 1                          |       |       |               | X      |  |  |  |  |  |  |  |  |
| B-32-1.0   |                               | 10:40                                |                |                       |                      |             |                | 2                          | X     | X     | X             |        |  |  |  |  |  |  |  |  |
| B-32-1.0 Gamma   |                               | 10:40                                |                |                       |                      |             |                | 1                          |       |       |               | X      |  |  |  |  |  |  |  |  |
| B-32-4.0   |                               | 11:00                                |                |                       |                      |             |                | 2                          | X     | X     | X             |        |  |  |  |  |  |  |  |  |
| B-32-4.0 Gamma   |                               | 11:00                                |                |                       |                      |             |                | 1                          |       |       |               | X      |  |  |  |  |  |  |  |  |
| B-32-8.0   |                               | 11:40                                |                |                       |                      |             |                | 2                          | X     | X     | X             |        |  |  |  |  |  |  |  |  |
| B-32-8.0 Gamma   |                               | 11:40                                |                |                       |                      |             |                | 1                          |       |       |               | X      |  |  |  |  |  |  |  |  |
| B-6-GW   |                               | 7:55                                 |                | Y                     | GW                   |             |                | 3                          | X     | X     | X             |        |  |  |  |  |  |  |  |  |
| B-3-GW   | 7/15/08                       | 10:20                                | ✓              | Y                     | GW                   | ✓           |                | 3                          | X     | X     | X             |        |  |  |  |  |  |  |  |  |

LAL Requested: Normal; Rush: ☒ Specify: 45hr. (Subject to Surcharges) Fax Results: Yes / ☒ No

Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4

Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards  
All metals were field filtered (GW)

Sample Collection Time Zone  
Eastern ☒ Pacific ☒  
Central Other \_\_\_\_\_  
Mountain

Chain of Custody Signatures

Relinquished By (Signed) Date Time

Kyle Mullix 7/16/08 13:00

Received by (signed) Date Time

Erin Stanley 7-17-08 0945

Sample Shipping and Delivery Details

GEL PM: Erin Stanley

Method of Shipment: Fedex Date Shipped: 7/16/08

Airbill #: \_\_\_\_\_

Airbill #: \_\_\_\_\_

Chain of Custody Number = Client Determined  
QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite  
Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.  
Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal  
Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).  
Preservative Type: HA=Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank

For Lab Receiving Use Only

Custody Seal Intact?  
YES NO  
Cooler Temp:  
4 C

WHITE = LABORATORY

YELLOW = FILE

PINK = CLIENT

|   |                |  |   |   |   |
|---|----------------|--|---|---|---|
| Page: <u>1</u> of <u>3</u><br>Project #: <u>161072</u><br>GEL Quote #: _____<br>COC Number <sup>(1)</sup> : _____<br>PO Number: <u>161072</u>   |                | <b>GEL Chain of Custody and Analytical Request</b>   |   | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |   |
| Client Name: <u>TRC</u>   |                | Phone #: <u>(415) 644-3000</u>   |   | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test)                         |   |
| Project/Site Name: <u>HBPP</u>  |                | Fax #: <u>(415) 541-9378</u>   |   | Should this sample be considered:   |   |
| Address: <u>55 2nd St, Suite 575, San Francisco, CA. 94105</u>  |                | Collected by: <u>m. Sellward</u>   |   | Send Results To: <u>mcarvalho@trcsolutions.com</u>  |   |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small>  |                | *Date Collected<br><small>(mm-dd-yy)</small>   | *Time Collected<br><small>(Military) (hhmm)</small> | QC Code<br><small>(m)</small>   | Field Filtered <sup>(3)</sup>             |
| Sample Matrix <sup>(4)</sup>  |                | Radioactive  | TSCA Regulated                                      | Total number of containers  | No2<br>No3<br>None                        |
|   |                |  |   |   | TPH-d<br>CAM-17 Metals<br>SVOCs<br>CS-137 |
| B-1-gw  |                | 07/15/08   |   | G   | Y W                                       |
| PS-OZC-0.3  |                |  | 1020  |   | NA S                                      |
| PS-OZC-4.5  |                |  | 1045  |   |   |
| PS-OZC-7.5  |                |  | 1100  |   |   |
| PS-OZC-0.3 gamma  |                |  | 1020  |   |   |
| PS-OZC-4.5 gamma  |                |  | 1045  |   |   |
| PS-OZC-7.5 gamma  |                |  | 1100  |   |   |
| B-5-0.5   |                |  | 1420  |   |   |
| B-5-4.5   |                |  | 1545  |   |   |
| B-5-0.5 gamma   |                |  | 1420  |   |   |
| TAT Requested: Normal; Rush: <input checked="" type="checkbox"/> Specify: <u>48hr</u> (Subject to Surcharge)  |                | Fax Results: Yes / <input checked="" type="checkbox"/> No  |   | Circle Deliverable: C of A / QC Summary / Level 1 / <u>Level 2</u> / Level 3 / Level 4                            |   |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards<br><u>* Metals are Field Filtered (GW)</u>   |                | Sample Collection Time Zone:<br>Eastern <input checked="" type="checkbox"/> Pacific<br>Central Other _____<br>Mountain |   |   |   |
| Chain of Custody Signatures   |                |  | Sample Shipping and Delivery Details                |   |   |
| Relinquished By (Signed)  | Date           | Time   | Received by (signed)                                | Date  | Time                                      |
| <u>M. Sellward</u>  | <u>7/16/08</u> | <u>1500</u>  | <u>M. Stanley</u>                                   | <u>7-17-08</u>  | <u>0945</u>                               |
|   |                |  | GEL PM: <u>Erin Stanley</u>                         |   |   |
|   |                |  | Method of Shipment: <u>Fed Ex</u>                   |   |   |
|   |                |  | Date Shipped: <u>7/16/08</u>                        |   |   |
| 2   |                |  | Airbill #:  |   |   |
| 3   |                |  | Airbill #:  |   |   |
| 1.) Chain of Custody Number = Client Determined<br>2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite<br>3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.<br>4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal<br>5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).<br>6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank |                |  |   |   |   |
| WHITE = LABORATORY      YELLOW = FILE      PINK = CLIENT  |                |  |   |   |   |

For Lab Receiving Use Only

Custody Seal Intact?

YES NO

Cooler Temp:

4 C

|                            |  |   |
|----------------------------|--|---|
| Page: <u>2</u> of <u>3</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| Project #: <u>161072</u>   |  |   |
| GEL Quote #:               |  |   |
| PO Number: <u>161072</u>   |  |   |
| GEL Work Order Number:     |  |   |

|   |  |   |
|---|--|---|
| Client Name: <u>trc</u>   | Phone #: <u>(415) 644-3000</u>                     | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |
| Project/Site Name: <u>HBPP</u>                                  | Fax #: <u>(415) 541-9378</u>                       |   |
| Address: <u>55 2nd St., Suite 575, San Francisco, CA, 94105</u> |  | Should this sample be considered:<br>Total number of containers:                          |
| Collected by: <u>m. Sellwood</u>                                | Send Results To: <u>mcarvalho@trcsolutions.com</u> |   |

| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(Military) (hhmm) | QC Code<br>(*) | Field Filtered<br>(*) | Sample Matrix<br>(*) | Radioactive | TSCA Regulated | Total number of containers | Preservative Type (6) | Comments<br><small>Note: extra sample is required for sample specific QC</small> |
|--|-------------------------------|--------------------------------------|----------------|-----------------------|----------------------|-------------|----------------|----------------------------|-----------------------|--|
| B-5-4.5 gamma  | 07/15/08                      | 1545                                 | G              | NA                    | S                    | N           |                | 1                          | TPH-d                 |  |
| B-1-0.5  | ↓                             | 1625                                 | ↓              | ↓                     | ↓                    | ↓           |                | 2                          | CHM-17 metals         |  |
| B-1-4.5  | ↓                             | 1640                                 | ↓              | ↓                     | ↓                    | ↓           |                | 2                          | SVDCs                 |  |
| B-1-0.5 gamma  | ↓                             | 1625                                 | ↓              | ↓                     | ↓                    | ↓           |                | 1                          | Cs-137                |  |
| B-1-4.5 gamma  | ↓                             | 1640                                 | ↓              | ↓                     | ↓                    | ↓           |                | 1                          |                       |  |
| B-10-0.5   | 7/16/08                       | 0800                                 | ↓              | ↓                     | ↓                    | ↓           |                | 2                          |                       |  |
| B-10-4.5   | ↓                             | 0905                                 | ↓              | ↓                     | ↓                    | ↓           |                | 2                          |                       |  |
| B-10-0.5 gamma   | ↓                             | 0800                                 | ↓              | ↓                     | ↓                    | ↓           |                | 1                          |                       |  |
| B-10-4.5 gamma   | ↓                             | 0905                                 | ↓              | ↓                     | ↓                    | ↓           |                | 1                          |                       |  |
| B-8-0.5  | ↓                             | 0930                                 | ↓              | ↓                     | ↓                    | ↓           |                | 2                          |                       |  |

|   |   |  |
|---|---|--|
| TAT requested: Normal: Rush: <input checked="" type="checkbox"/> Specify: <u>48hr</u> (Subject to Surcharge)                                  | Fax Results: Yes / <input checked="" type="checkbox"/> No | Circle Deliverable: C of A / QC Summary / Level 1 / <input checked="" type="checkbox"/> Level 2 / Level 3 / Level 4  |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards<br><u>All metals are Field Filtered (GW)</u> |   | Sample Collection Time Zone:<br>Eastern <input type="checkbox"/> Pacific <input checked="" type="checkbox"/> Central <input type="checkbox"/> Other <input type="checkbox"/> |

| Chain of Custody Signatures |                |             | Sample Shipping and Delivery Details |                              |
|-----------------------------|----------------|-------------|--------------------------------------|------------------------------|
| Relinquished By (Signed)    | Date           | Time        | Received by (signed)                 | Date                         |
| <u>Mike Lillard</u>         | <u>7/16/08</u> | <u>1500</u> | <u>Mike Stanley</u>                  | <u>7-17-08 0945</u>          |
|                             |                |             | GEL PM: <u>Erik Stanley</u>          |                              |
|                             |                |             | Method of Shipment: <u>Fed Ex</u>    | Date Shipped: <u>7/16/08</u> |
|                             |                |             | Airbill #:                           |                              |
|                             |                |             | Airbill #:                           |                              |

1. Chain of Custody Number = Client Determined  
 2. QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite  
 3. Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.  
 4. Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal  
 5. Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).  
 6. Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexanic, ST = Sodium Thiosulfate, If no preservative is added = leave field blank  
 WHITE = LABORATORY      YELLOW = FILE      PINK = CLIENT

|                            |    |
|----------------------------|----|
| For Lab Receiving Use Only |    |
| Custody Seal Intact?       |    |
| YES                        | NO |
| Cooler Temp: <u>4°C</u>    |    |



|   |  |   |
|---|--|---|
| Page: <u>3</u> of <u>3</u><br>Project #: <u>1161072</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> :<br>PO Number: <u>1161072</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number:  |  |   |

| Client Name: <u>TRL</u>  |                               | Phone #: <u>(415) 644-3000</u>                     |                               | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                                     |             |                |       |         |       |        |   |  |  |  |  |  |  |  |                           |  |   |  |
|--|-------------------------------|--|-------------------------------|---|-------------------------------------|-------------|----------------|-------|---------|-------|--------|---|--|--|--|--|--|--|--|---------------------------|--|---|--|
| Project/Site Name: <u>HBPP</u>   |                               | Fax #: <u>(415) 541-9378</u>                       |                               | Should this sample be considered:   | Total number of containers          | TPH-d       | Cadmium        | SVOCs | CS-137  |       |        |   |  |  |  |  |  |  |  | <-- Preservative Type (6) |  |   |  |
| Address: <u>55 2nd St., Suite 575, San Francisco, CA 94105</u>                   |                               |  |                               |   |                                     |             |                |       |         |       |        |   |  |  |  |  |  |  |  |                           |  |   |  |
| Collected by: <u>M. Sellwood</u>   |                               | Send Results To: <u>mcarvalho@tresolutions.com</u> |                               |   |                                     |             |                |       |         |       |        |   |  |  |  |  |  |  |  |                           |  |   |  |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(Military) (hhmm)               | QC Code<br>( <sup>(1)</sup> ) | Field Filtered<br>( <sup>(1)</sup> )  | Sample Matrix<br>( <sup>(4)</sup> ) | Radioactive | TSCA Regulated | TPH-d | Cadmium | SVOCs | CS-137 |   |  |  |  |  |  |  |  |                           |  | Comments<br>Note: extra sample is required for sample specific QC |  |
|  |                               |  |                               |   |                                     |             |                |       |         |       |        |   |  |  |  |  |  |  |  |                           |  |   |  |
| B-8-4.5  | 7/16/08                       | 0950   | G                             | NA  | S                                   | N           |                | 2     | X       | X     | X      |   |  |  |  |  |  |  |  |                           |  |   |  |
| B-8-0.5 gamma  | ↓                             | 0930   | ↓                             | ↓   | ↓                                   |             |                | 1     |         |       |        | X |  |  |  |  |  |  |  |                           |  |   |  |
| B-8-4.5 gamma  | ↓                             | 0950   | ↓                             | ↓   | ↓                                   |             |                | 1     |         |       |        | X |  |  |  |  |  |  |  |                           |  |   |  |
| B-18-0.5   | ↓                             | 1047   | ↓                             | ↓   | ↓                                   |             |                | 2     | X       | X     | X      |   |  |  |  |  |  |  |  |                           |  |   |  |
| B-18-4.5   | ↓                             | 1105   | ↓                             | ↓   | ↓                                   |             |                | 2     | X       | X     | X      |   |  |  |  |  |  |  |  |                           |  |   |  |
| B-18-0.5 gamma   | ↓                             | 1047   | ↓                             | ↓   | ↓                                   |             |                | 1     |         |       |        | X |  |  |  |  |  |  |  |                           |  |   |  |
| B-18-4.5 gamma   | ↓                             | 1105   | ↓                             | ↓   | ↓                                   | ↓           |                | 1     |         |       |        | X |  |  |  |  |  |  |  |                           |  |   |  |

TAT Requested: Normal; Rush: ☒ Specify: 48hr (Subject to Surcharge) Fax Results: Yes / ☒ No Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4

Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards  
All metals are Field Filtered (GW)

Sample Collection Time Zone  
 Eastern ☒ Pacific ☒  
 Central Other \_\_\_\_\_  
 Mountain

| Chain of Custody Signatures |                |             |                                   | Sample Shipping and Delivery Details |                              |
|-----------------------------|----------------|-------------|-----------------------------------|--------------------------------------|------------------------------|
| Relinquished By (Signed)    | Date           | Time        | Received by (Signed)              | Date                                 | Time                         |
| <u>Mike Lillard</u>         | <u>7/16/08</u> | <u>1500</u> | <u>Mike Lillard</u>               | <u>7-17-08</u>                       | <u>0915</u>                  |
|                             |                |             | GEL PM: <u>Erin Stanley</u>       |                                      |                              |
|                             |                |             | Method of Shipment: <u>Fed Ex</u> |                                      | Date Shipped: <u>7/16/08</u> |
| 1                           |                |             | Airbill #:                        |                                      |                              |
| 2                           |                |             | Airbill #:                        |                                      |                              |
| 3                           |                |             | Airbill #:                        |                                      |                              |

1.) Chain of Custody Number = Client Determined  
 2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite  
 3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.  
 4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal  
 5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).  
 6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank

WHITE = LABORATORY      YELLOW = FILE      PINK = CLIENT

|                            |    |
|----------------------------|----|
| For Lab Receiving Use Only |    |
| Custody Seal Intact?       |    |
| YES                        | NO |
| Coph Temp:                 |    |
| <u>4</u> C                 |    |



Laboratories LLC

## SAMPLE RECEIPT &amp; REVIEW FORM

|                                   |   |   |  |
|-----------------------------------|---|---|--|
| Client: <u>TRC</u>                |   | SDG/ARCO/Work Order: <u>212141, 212150, 212151</u>  |  |
| Received By: <u>MK</u>            |   | Date Received: <u>7-17-08</u>   |  |
| Suspected Hazard Information      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | *If Counts > x2 area background on samples not marked "radioactive", contact the Radiation Safety Group of further investigation. |  |
| Marked as radioactive?            | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Maximum Counts Observed*: <u>Cpm 30</u>   |  |
| Classified Radioactive II by RS0? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |   |  |
| Marked containing PCBs?           | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |   |  |
| Shipped as a DOT Hazardous?       | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Hazard Class Shipped: <u>UN#:</u>   |  |
| Identified as Foreign Soil?       | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |   |  |

| Sample Receipt Criteria  | Yes                                 | NA                                  | No                                  | Comments/Qualifiers (Required for Non-Conforming Items)  |
|--|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 1 Shipping containers received intact and sealed?                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Circle Applicable:<br>seals broken    damaged container    leaking container    other (describe) |
| 2 Samples requiring cold preservation within (4 +/- 2 C)?                          | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Preservation Method:<br><u>ice bags</u> blue ice    dry ice    none    other (describe)          |
| 3 Chain of custody documents included with shipment?                               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |  |
| 4 Sample containers intact and sealed?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Circle Applicable:<br>seals broken    damaged container    leaking container    other (describe) |
| 5 Samples requiring chemical preservation at proper pH?                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:                |
| 6 VOA vials free of headspace (defined as < 6mm bubble)?                           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Sample ID's and containers affected:   |
| 7 Are Encore containers present?   | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | (If yes, immediately deliver to Volatiles laboratory)  |
| 8 Samples received within holding time?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | ID's and tests affected:   |
| 9 Sample ID's on COC match ID's on bottles?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Sample ID's and containers affected:   |
| 10 Date & time on COC match date & time on bottles?                                | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Sample ID's affected:  |
| 11 Number of containers received match number indicated on COC? <u>gms 7/17/08</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Sample ID's affected:<br><u>* See below</u>  |
| 12 COC form is properly signed in relinquished/received sections?                  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |  |

Comments:

FX 8647 1472 6729 4c  
 7955 1700 7460 4c  
 7470 4c  
 7481 4c  
 7492 4c  
 7507 4c  
 7518 4c  
 7529 4c

\* Page 1 of 5 on COC contains samples that were received yesterday \*

PM (or PMA) review: Initials gmsDate 7/17/08

**List of current GEL Certifications as of 30 July 2008**

| <b>State</b>              | <b>Certification</b> |
|---------------------------|----------------------|
| Arizona                   | AZ0668               |
| Arkansas                  | 88-0651              |
| CLIA                      | 42D0904046           |
| California - NELAP        | 01151CA              |
| Colorado                  | GEL                  |
| Connecticut               | PH-0169              |
| Dept. of Navy             | NFESC 413            |
| EPA Region 5              | WG-15J               |
| Florida - NELAP           | E87156               |
| Georgia                   | E87156 (FL/NELAP)    |
| Georgia DW                | 967                  |
| Hawaii                    | N/A                  |
| ISO 17025                 | 2567.01              |
| Idaho                     | SC00012              |
| Illinois - NELAP          | 200029               |
| Indiana                   | C-SC-01              |
| Kansas - NELAP            | E-10332              |
| Kentucky                  | 90129                |
| Louisiana - NELAP         | 03046                |
| Maryland                  | 270                  |
| Massachusetts             | M-SC012              |
| Nevada                    | SC00012              |
| New Jersey - NELAP        | SC002                |
| New Mexico                | FL NELAP E87156      |
| New York - NELAP          | 11501                |
| North Carolina            | 233                  |
| North Carolina DW         | 45709                |
| Oklahoma                  | 9904                 |
| Pennsylvania - NELAP      | 68-00485             |
| South Carolina            | 10120001/10120002    |
| Tennessee                 | TN 02934             |
| Texas - NELAP             | T104704235-07B-TX    |
| U.S. Dept. of Agriculture | S-52597              |
| Utah - NELAP              | GEL                  |
| Vermont                   | VT87156              |
| Virginia                  | 00151                |
| Washington                | C1641                |



July 31, 2008

Mr. Moises Carvalho  
TRC Solutions, Inc.  
55 2nd Street, Suite 575  
San Francisco, California 94105

Re: Humboldt Bay NPP Project 161072, Task 2400  
Work Order: 212233

Dear Mr. Carvalho:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 18, 2008. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4504.

Sincerely,

Erin Stanley  
Project Manager

Purchase Order: GELL-071408-001  
Enclosures

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis Report for

TRCS002 TRC Solutions

Client SDG: 212233 GEL Work Order: 212233

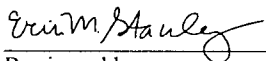
**The Qualifiers in this report are defined as follows:**

- \* A quality control analyte recovery is outside of specified acceptance criteria
- \*\* Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy—Uncertain identification

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the detection limit.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Erin Stanley.



Reviewed by

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Report Date: July 31, 2008

Client Sample ID: B-34-1.0 Gamma  
Sample ID: 212233001  
Matrix: Soil  
Collect Date: 16-JUL-08 14:10  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |          |           |        |       |       |  |      |          |      |        |   |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.00795 | +/-0.0235 | 0.0372 | 0.100 | pCi/g |  | MJH1 | 07/28/08 | 1531 | 775743 | 1 |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-34-4.0 Gamma  
Sample ID: 212233002  
Matrix: Soil  
Collect Date: 16-JUL-08 14:25  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |           |        |       |       |  |      |          |      |        |   |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.0176 | +/-0.0282 | 0.0437 | 0.100 | pCi/g |  | MJH1 | 07/28/08 | 1532 | 775743 | 1 |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

# GEL LABORATORIES LLC

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## Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Report Date: July 31, 2008

Client Sample ID: B-34-8.0 Gamma  
Sample ID: 212233003  
Matrix: Soil  
Collect Date: 16-JUL-08 14:35  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | 0.0108 | +/-0.0384   | 0.0656 | 0.100 | pCi/g |    | MJH1    | 07/28/08 | 1532 | 775743 | 1      |

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |



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## Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: PS-23AC-1.0 Gamma  
Sample ID: 212233004  
Matrix: Soil  
Collect Date: 16-JUL-08 15:30  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result   | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|----------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |          |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |          |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | -0.00992 | +/-0.0426   | 0.0701 | 0.100 | pCi/g |    | MJH1    | 07/28/08 | 1533 | 775743 | 1      |

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

### The following Analytical Methods were performed

| Method | Description           | Analyst | Comments |
|--------|-----------------------|---------|----------|
| 1      | EML HASL 300, 4.5.2.3 |         |          |

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## Certificate of Analysis

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San Francisco, California 94105

Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: PS-23AC-4.0 Gamma  
Sample ID: 212233005  
Matrix: Soil  
Collect Date: 16-JUL-08 15:45  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result  | Uncertainty | DL    | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|---------|-------------|-------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |         |             |       |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |       |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | 0.00902 | +/-0.0335   | 0.059 | 0.100 | pCi/g |    | MJH1    | 07/28/08 | 1656 | 775743 | 1      |

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-26-1.0 Gamma  
Sample ID: 212233006  
Matrix: Soil  
Collect Date: 16-JUL-08 16:05  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammasec, Gamma, Solid "Dry Weight Corrected"*

|            |  |       |           |        |       |       |  |      |          |      |        |   |
|------------|--|-------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 |  | 0.109 | +/-0.0494 | 0.0541 | 0.100 | pCi/g |  | MJH1 | 07/28/08 | 1657 | 775743 | 1 |
|------------|--|-------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep.GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst | Comments |
|--------|-----------------------|---------|----------|
| 1      | EML HASL 300, 4.5.2.3 |         |          |

# GEL LABORATORIES LLC

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## Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105  
Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Report Date: July 31, 2008

Client Sample ID: B-26-4.0 Gamma  
Sample ID: 212233007  
Matrix: Soil  
Collect Date: 16-JUL-08 16:20  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result   | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|----------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |          |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |          |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | -0.00252 | +/-0.0228   | 0.0375 | 0.100 | pCi/g |    | MJH1    | 07/28/08 | 1657 | 775743 | 1      |

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task 2400**

Client Sample ID: B-25-1.0 Gamma  
Sample ID: 212233008  
Matrix: Soil  
Collect Date: 17-JUL-08 08:20  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result   | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|----------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |          |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |          |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | -0.00189 | +/-0.0375   | 0.0647 | 0.100 | pCi/g |    | MJH1    | 07/28/08 | 1658 | 775743 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-25-4.0 Gamma  
Sample ID: 212233009  
Matrix: Soil  
Collect Date: 17-JUL-08 08:45  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |           |        |       |       |  |      |          |      |        |   |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.0141 | +/-0.0177 | 0.0276 | 0.100 | pCi/g |  | MJH1 | 07/28/08 | 1658 | 775743 | 1 |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-22-1.0 Gamma  
Sample ID: 212233010  
Matrix: Soil  
Collect Date: 17-JUL-08 09:00  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | 0.0421 | +/-0.0333   | 0.0636 | 0.100 | pCi/g |    | MJH1    | 07/28/08 | 1658 | 775743 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task 2400**

Client Sample ID: B-22-4.0 Gamma  
Sample ID: 212233011  
Matrix: Soil  
Collect Date: 17-JUL-08 09:20  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |           |        |       |       |  |      |          |      |        |   |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.00994 | +/-0.0555 | 0.0975 | 0.100 | pCi/g |  | MJH1 | 07/28/08 | 1904 | 775743 | 1 |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |



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Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-27-1.0 Gamma  
Sample ID: 212233012  
Matrix: Soil  
Collect Date: 17-JUL-08 09:35  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  |           | 0.152  | +/-0.0732   | 0.0695 | 0.100 | pCi/g |    | MJH1    | 07/28/08 | 1700 | 775743 | 1      |

#### **The following Prep Methods were performed**

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

#### **The following Analytical Methods were performed**

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Report Date: July 31, 2008

Client Sample ID: B-27-4.0 Gamma  
Sample ID: 212233013  
Matrix: Soil  
Collect Date: 17-JUL-08 09:45  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |          |        |       |       |  |      |          |      |        |   |
|------------|---|---------|----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.00957 | +/-0.054 | 0.0951 | 0.100 | pCi/g |  | MJH1 | 07/28/08 | 2107 | 775743 | 1 |
|------------|---|---------|----------|--------|-------|-------|--|------|----------|------|--------|---|

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Report Date: July 31, 2008

Client Sample ID: B-21-1.0 Gamma  
Sample ID: 212233014  
Matrix: Soil  
Collect Date: 17-JUL-08 10:10  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL    | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|-------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |       |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |       |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | 0.0102 | +/-0.0583   | 0.102 | 0.100 | pCi/g |    | MJH1    | 07/28/08 | 2314 | 775743 | 1      |

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXCI    | 07/21/08 | 1540 | 775720     |

### The following Analytical Methods were performed

| Method | Description           | Analyst | Comments |
|--------|-----------------------|---------|----------|
| 1      | EML HASL 300, 4.5.2.3 |         |          |

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Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Report Date: July 31, 2008

Client Sample ID: B-21-4.0 Gamma  
Sample ID: 212233015  
Matrix: Soil  
Collect Date: 17-JUL-08 10:30  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |          |           |        |       |       |  |      |          |      |        |   |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.00859 | +/-0.0569 | 0.0947 | 0.100 | pCi/g |  | MJH1 | 07/29/08 | 0738 | 775743 | 1 |
|------------|---|----------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-23-1.0 Gamma  
Sample ID: 212233016  
Matrix: Soil  
Collect Date: 17-JUL-08 11:10  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result  | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|---------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| Rad Gamma Spec Analysis                               |           |         |             |        |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | 0.00923 | +/-0.0371   | 0.0665 | 0.100 | pCi/g |    | MJH1    | 07/29/08 | 1010 | 775743 | 1      |

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Report Date: July 31, 2008

Client Sample ID: B-23-4.0 Gamma  
Sample ID: 212233017  
Matrix: Soil  
Collect Date: 17-JUL-08 11:35  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

### Rad Gamma Spec Analysis

*GammaSpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |           |        |       |       |  |      |          |      |        |   |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.0454 | +/-0.0553 | 0.0863 | 0.100 | pCi/g |  | MJH1 | 07/29/08 | 1245 | 775743 | 1 |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-33-0.5-Gamma  
Sample ID: 212233018  
Matrix: Soil  
Collect Date: 16-JUL-08 13:15  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result  | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|---------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |         |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | -0.0054 | +/-0.0513   | 0.0883 | 0.100 | pCi/g |    | MJH1    | 07/29/08 | 1516 | 775743 | 1      |

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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2400

Report Date: July 31, 2008

Client Sample ID: B-33-4.5 Gamma  
Sample ID: 212233019  
Matrix: Soil  
Collect Date: 16-JUL-08 13:25  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |           |        |       |       |  |      |          |      |        |   |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | -0.0382 | +/-0.0412 | 0.0648 | 0.100 | pCi/g |  | MJH1 | 07/29/08 | 1720 | 775743 | 1 |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |



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Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: PS-11C-0.3 Gamma  
Sample ID: 212233020  
Matrix: Soil  
Collect Date: 16-JUL-08 13:45  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result  | Uncertainty | DL    | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|---------|-------------|-------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                        |           |         |             |       |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |       |       |       |    |         |          |      |        |        |
| Cesium-137  | U         | -0.0104 | +/-0.040    | 0.068 | 0.100 | pCi/g |    | MJH1    | 07/29/08 | 1951 | 775743 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | CXC1    | 07/21/08 | 1540 | 775720     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: PS-11C-1.5 Gamma  
Sample ID: 212233021  
Matrix: Soil  
Collect Date: 16-JUL-08 13:55  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result   | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|----------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |          |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |          |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | -0.00337 | +/-0.0388   | 0.0653 | 0.100 | pCi/g |    | MJH1    | 07/29/08 | 0841 | 775744 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/22/08 | 1137 | 775723     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-19-0.5 Gamma  
Sample ID: 212233022  
Matrix: Soil  
Collect Date: 16-JUL-08 14:50  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result  | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|---------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |         |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | -0.0171 | +/-0.0337   | 0.0546 | 0.100 | pCi/g |    | MJH1    | 07/29/08 | 1103 | 775744 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/22/08 | 1137 | 775723     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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San Francisco, California 94105

Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-19-4.5 Gamma  
Sample ID: 212233023  
Matrix: Soil  
Collect Date: 16-JUL-08 15:15  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result  | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|---------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| Rad Gamma Spec Analysis                                |           |         |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | -0.0108 | +/-0.0327   | 0.0536 | 0.100 | pCi/g |    | MJH1    | 07/29/08 | 1103 | 775744 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/22/08 | 1137 | 775723     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: PS-23BC-0.5 Gamma  
Sample ID: 212233024  
Matrix: Soil  
Collect Date: 16-JUL-08 15:40  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>Gammiaspec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | 0.0141 | +/-0.0223   | 0.0414 | 0.100 | pCi/g |    | MJH1    | 07/29/08 | 1104 | 775744 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/22/08 | 1137 | 775723     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-29-0.5 Gamma  
Sample ID: 212233025  
Matrix: Soil  
Collect Date: 17-JUL-08 08:25  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |  |       |           |        |       |       |  |      |          |      |        |   |
|------------|--|-------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 |  | 0.113 | +/-0.0674 | 0.0508 | 0.100 | pCi/g |  | MJH1 | 07/29/08 | 1104 | 775744 | 1 |
|------------|--|-------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/22/08 | 1137 | 775723     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task 2400**

Client Sample ID: B-29-4.5 Gamma  
Sample ID: 212233026  
Matrix: Soil  
Collect Date: 17-JUL-08 08:35  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result  | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|---------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |         |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | 0.00504 | +/-0.0217   | 0.0373 | 0.100 | pCi/g |    | MJH1    | 07/29/08 | 1104 | 775744 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/22/08 | 1137 | 775723     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: PS-20C-0.3 Gamma  
Sample ID: 212233027  
Matrix: Soil  
Collect Date: 17-JUL-08 09:00  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | UI        | 0.00   | +/-0.0463   | 0.0374 | 0.100 | pCi/g |    | MJH1    | 07/29/08 | 1241 | 775744 | 1      |

#### **The following Prep Methods were performed**

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/22/08 | 1137 | 775723     |

#### **The following Analytical Methods were performed**

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |



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Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: PS-20C-4.5 Gamma  
Sample ID: 212233028  
Matrix: Soil  
Collect Date: 17-JUL-08 09:10  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result  | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|---------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |         |             |        |       |       |    |         |          |      |        |        |
| <i>Gammiaspec, Gamma, Solid "Dry Weight Corrected"</i> |           |         |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | 0.00448 | +/-0.0245   | 0.0428 | 0.100 | pCi/g |    | MJH1    | 07/29/08 | 1241 | 775744 | 1      |

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/22/08 | 1137 | 775723     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-28-0.5 Gamma  
Sample ID: 212233029  
Matrix: Soil  
Collect Date: 17-JUL-08 09:40  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter | Qualifier | Result | Uncertainty | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|
|-----------|-----------|--------|-------------|----|----|-------|----|---------|------|------|-------|--------|

#### Rad Gamma Spec Analysis

*Gammascpec, Gamma, Solid "Dry Weight Corrected"*

|            |   |         |           |        |       |       |  |      |          |      |        |   |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|
| Cesium-137 | U | 0.00491 | +/-0.0241 | 0.0423 | 0.100 | pCi/g |  | MJH1 | 07/29/08 | 1242 | 775744 | 1 |
|------------|---|---------|-----------|--------|-------|-------|--|------|----------|------|--------|---|

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/22/08 | 1137 | 775723     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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### Certificate of Analysis

Company : TRC Solutions, Inc.  
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Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-28-4.5 Gamma  
Sample ID: 212233030  
Matrix: Soil  
Collect Date: 17-JUL-08 10:00  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result   | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|----------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |          |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |          |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   | U         | -0.00678 | +/-0.0204   | 0.0335 | 0.100 | pCi/g |    | MJH1    | 07/29/08 | 1316 | 775744 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/22/08 | 1137 | 775723     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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### Certificate of Analysis

Company : TRC Solutions, Inc.  
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San Francisco, California 94105

Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-24-0.5 Gamma  
Sample ID: 212233031  
Matrix: Soil  
Collect Date: 17-JUL-08 10:15  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|--|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137   |           | 0.0896 | +/-0.047    | 0.0512 | 0.100 | pCi/g |    | MJH1    | 07/29/08 | 1430 | 775744 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/22/08 | 1137 | 775723     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: **Humboldt Bay NPP Project 161072, Task  
2400**

Client Sample ID: B-24-4.5 Gamma  
Sample ID: 212233032  
Matrix: Soil  
Collect Date: 17-JUL-08 10:40  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | AnalysisDate       | Time   | Batch | Method |
|--|-----------|--------|-------------|--------|-------|-------|----|--------------------|--------|-------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |        |       |       |    |                    |        |       |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |                    |        |       |        |
| Cesium-137   |           | 1.23   | +/-0.146    | 0.0394 | 0.100 | pCi/g |    | MJH1 07/29/08 1447 | 775744 | 1     |        |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/22/08 | 1137 | 775723     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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Company : TRC Solutions, Inc.  
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Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: PS-21C-0.3 Gamma  
Sample ID: 212233033  
Matrix: Soil  
Collect Date: 17-JUL-08 11:15  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter   | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Method |
|---|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|--------|
| Rad Gamma Spec Analysis                               |           |        |             |        |       |       |    |         |          |      |        |        |
| <i>GammaSpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |        |
| Cesium-137  |           | 0.199  | +/-0.042    | 0.0391 | 0.100 | pCi/g |    | MJH1    | 07/29/08 | 1648 | 775744 | 1      |

#### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/22/08 | 1137 | 775723     |

#### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |

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## Certificate of Analysis

Company : TRC Solutions, Inc.  
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San Francisco, California 94105

Report Date: July 31, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: PS-21C-4.5 Gamma  
Sample ID: 212233034  
Matrix: Soil  
Collect Date: 17-JUL-08 12:30  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Metho |
|--|-----------|--------|-------------|--------|-------|-------|----|---------|----------|------|--------|-------|
| <b>Rad Gamma Spec Analysis</b>                         |           |        |             |        |       |       |    |         |          |      |        |       |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |        |             |        |       |       |    |         |          |      |        |       |
| Cesium-137   | UI        | 0.00   | +/-0.0413   | 0.0384 | 0.100 | pCi/g |    | MJH1    | 07/29/08 | 1649 | 775744 | 1     |

### **The following Prep Methods were performed**

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/22/08 | 1137 | 775723     |

### **The following Analytical Methods were performed**

| Method | Description           | Analyst | Comments |
|--------|-----------------------|---------|----------|
| 1      | EML HASL 300, 4.5.2.3 |         |          |

# GEL LABORATORIES LLC

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## QC Summary

Report Date: July 31, 2008

Page 1 of 2

TRC Solutions, Inc.  
55 2nd Street, Suite 575  
San Francisco, California  
Mr. Moises Carvalho

Contact:

Workorder: 212233

| Parmname                   | NOM  | Sample | Qual      | QC | Units     | RPD%  | REC% | Range      | Anlst    | Date     | Time  |
|----------------------------|------|--------|-----------|----|-----------|-------|------|------------|----------|----------|-------|
| Rad Gamma Spec             |      |        |           |    |           |       |      |            |          |          |       |
| Batch 775743               |      |        |           |    |           |       |      |            |          |          |       |
| QC1201625045 212233001 DUP |      |        |           |    |           |       |      |            |          |          |       |
| Cesium-137                 |      | U      | -0.00795  | U  | -0.0593   | pCi/g | 153  |            | N/A MJH1 | 07/29/08 | 22:32 |
|                            |      |        | +/-0.0235 |    | +/-0.0423 |       |      |            |          |          |       |
| QC1201625046 LCS           |      |        |           |    |           |       |      |            |          |          |       |
| Americium-241              | 16.8 |        |           |    | 12.9      | pCi/g | 77   | (75%-125%) |          | 07/30/08 | 06:41 |
|                            |      |        |           |    | +/-1.14   |       |      |            |          |          |       |
| Cesium-137                 | 6.34 |        |           |    | 5.93      | pCi/g | 94   | (75%-125%) |          |          |       |
|                            |      |        |           |    | +/-0.599  |       |      |            |          |          |       |
| Cobalt-60                  | 8.26 |        |           |    | 8.11      | pCi/g | 98   | (75%-125%) |          |          |       |
|                            |      |        |           |    | +/-0.648  |       |      |            |          |          |       |
| QC1201625044 MB            |      |        |           |    |           |       |      |            |          |          |       |
| Cesium-137                 |      |        |           | U  | -0.0314   | pCi/g |      |            |          | 07/30/08 | 01:10 |
|                            |      |        |           |    | +/-0.0272 |       |      |            |          |          |       |
| Batch 775744               |      |        |           |    |           |       |      |            |          |          |       |
| QC1201625048 212233021 DUP |      |        |           |    |           |       |      |            |          |          |       |
| Cesium-137                 |      | U      | -0.00337  | U  | 0.022     | pCi/g | 272  |            | N/A MJH1 | 07/29/08 | 16:51 |
|                            |      |        | +/-0.0388 |    | +/-0.0417 |       |      |            |          |          |       |
| QC1201625049 LCS           |      |        |           |    |           |       |      |            |          |          |       |
| Americium-241              | 15.9 |        |           |    | 13.5      | pCi/g | 85   | (75%-125%) |          | 07/29/08 | 16:55 |
|                            |      |        |           |    | +/-1.13   |       |      |            |          |          |       |
| Cesium-137                 | 6.02 |        |           |    | 6.02      | pCi/g | 100  | (75%-125%) |          |          |       |
|                            |      |        |           |    | +/-0.469  |       |      |            |          |          |       |
| Cobalt-60                  | 7.84 |        |           |    | 7.89      | pCi/g | 101  | (75%-125%) |          |          |       |
|                            |      |        |           |    | +/-0.591  |       |      |            |          |          |       |
| QC1201625047 MB            |      |        |           |    |           |       |      |            |          |          |       |
| Americium-241              |      |        |           | U  | 0.0167    | pCi/g |      |            |          | 07/30/08 | 12:48 |
|                            |      |        |           |    | +/-0.0464 |       |      |            |          |          |       |
| Cesium-137                 |      |        |           | U  | -0.00371  | pCi/g |      |            |          |          |       |
|                            |      |        |           |    | +/-0.0145 |       |      |            |          |          |       |
| Cobalt-60                  |      |        |           | U  | -0.00974  | pCi/g |      |            |          |          |       |
|                            |      |        |           |    | +/-0.0151 |       |      |            |          |          |       |

### Notes:

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low



## GEL LABORATORIES LLC

2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - [www.gel.com](http://www.gel.com)

### QC Summary

Workorder: 212233

Page 2 of 2

| Parmname | NOM   | Sample | Qual | QC | Units | RPD% | REC% | Range | Anlst | Date | Time |
|----------|---|--------|------|----|-------|------|------|-------|-------|------|------|
| C        | Analyte has been confirmed by GC/MS analysis  |        |      |    |       |      |      |       |       |      |      |
| D        | Results are reported from a diluted aliquot of the sample   |        |      |    |       |      |      |       |       |      |      |
| H        | Analytical holding time was exceeded  |        |      |    |       |      |      |       |       |      |      |
| J        | Value is estimated  |        |      |    |       |      |      |       |       |      |      |
| M        | M if above MDC and less than LLD  |        |      |    |       |      |      |       |       |      |      |
| N/A      | RPD or %Recovery limits do not apply.   |        |      |    |       |      |      |       |       |      |      |
| ND       | Analyte concentration is not detected above the detection limit   |        |      |    |       |      |      |       |       |      |      |
| NJ       | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier  |        |      |    |       |      |      |       |       |      |      |
| R        | Sample results are rejected   |        |      |    |       |      |      |       |       |      |      |
| U        | Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.  |        |      |    |       |      |      |       |       |      |      |
| UI       | Gamma Spectroscopy--Uncertain identification  |        |      |    |       |      |      |       |       |      |      |
| X        | Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier  |        |      |    |       |      |      |       |       |      |      |
| Y        | QC Samples were not spiked with this compound   |        |      |    |       |      |      |       |       |      |      |
| ^        | RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier <b>Not Applicable</b> for Radiochemistry. |        |      |    |       |      |      |       |       |      |      |
| h        | Preparation or preservation holding time was exceeded   |        |      |    |       |      |      |       |       |      |      |

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a **factor** of 4 or more.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met **all** of the requirements of the NELAC standard unless qualified on the QC Summary.

|   |  |   |
|---|--|---|
| Page: <u>1</u> of <u>4</u><br>Project #: <u>161072</u><br>QFI Quote #: _____<br>QOC Number (1): _____<br>PO Number: <u>161072</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number: <u>212231, 212238, 212233</u>  |  |   |

| Client Name: <u>TRC</u>  |   | Phone #: <u>415-644-3000</u>                       |                               | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                                     |             |                |               |        |   |   |   |  |  |  |  |  |  |  |   |
|--|---|--|-------------------------------|---|-------------------------------------|-------------|----------------|---------------|--------|---|---|---|--|--|--|--|--|--|--|---|
| Project Site Name: <u>HBPP</u>   |   | Fax #: <u>415-541-9378</u>                         |                               | Should this sample be considered:   | Total number of containers          | TPH-d       | SVOCs          | CAM-17 Metals | CS-137 |   |   |   |  |  |  |  |  |  |  | <-- Preservative Type (6)<br><br><b>Comments</b><br>Note: extra sample is required for sample specific QC |
| Address: <u>55 2nd St., Suite 575, San Francisco, 94105</u>                      |   |  |                               |   |                                     |             |                |               |        |   |   |   |  |  |  |  |  |  |  |   |
| Collected by: <u>K. Gillis</u>   |   | Send Results To: <u>mcarvalho@trcsolutions.com</u> |                               |   |                                     |             |                |               |        |   |   |   |  |  |  |  |  |  |  |   |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | Date Collected<br><small>(mm-dd-yy)</small> | Time Collected<br><small>(Military) (hhmm)</small> | QC Code<br><small>(1)</small> | Field Filtered<br><small>(3)</small>  | Sample Matrix<br><small>(4)</small> | Radioactive | TSCA Regulated |               |        |   |   |   |  |  |  |  |  |  |  |   |
| B-34-1.0   | 7/16/08                                     | 14:10  | G                             | NA  | SO                                  | N           |                | 2             | X      | X | X |   |  |  |  |  |  |  |  |   |
| B-34-1.0 Gamma   |   | 14:10  |                               |   |                                     |             |                | 1             |        |   |   | X |  |  |  |  |  |  |  |   |
| B-34-4.0   |   | 14:25  |                               |   |                                     |             |                | 2             | X      | X | X |   |  |  |  |  |  |  |  |   |
| B-34-4.0 Gamma   |   | 14:25  |                               |   |                                     |             |                | 1             |        |   |   | X |  |  |  |  |  |  |  |   |
| B-34-8.0   |   | 14:35  |                               |   |                                     |             |                | 2             | X      | X | X |   |  |  |  |  |  |  |  |   |
| B-34-8.0 Gamma   |   | 14:35  |                               |   |                                     |             |                | 1             |        |   |   | X |  |  |  |  |  |  |  |   |
| PS-23AC-1.0  |   | 15:30  |                               |   |                                     |             |                | 2             | X      | X | X |   |  |  |  |  |  |  |  |   |
| PS-23AC-1.0 Gamma  |   | 15:30  |                               |   |                                     |             |                | 1             |        |   |   | X |  |  |  |  |  |  |  |   |
| PS-23AC-4.0  |   | 15:45  |                               |   |                                     |             |                | 2             | X      | X | X |   |  |  |  |  |  |  |  |   |
| PS-23AC-4.0 Gamma  |   | 15:45  |                               |   |                                     |             |                | 1             |        |   |   | X |  |  |  |  |  |  |  |   |

|   |  |                              |  |   |  |
|---|--|------------------------------|--|---|--|
| TAP Requested: Normal: Rush: <u>X</u> Specify: <u>48 hr</u> (Subject to Surcharge)  |  | Fax Results: Yes / <u>No</u> |  | Circle Deliverable: C of A / QC Summary / Level 1 / <u>Level 2</u> / Level 3 / Level 4    |  |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards.<br><u>All metals were field filtered (GW)</u> |  |                              |  | Sample Collection Time Zone:<br>Eastern <u>Pacific</u><br>Central _____<br>Mountain _____ |  |

| Chain of Custody Signatures |                |              | Sample Shipping and Delivery Details |                |
|-----------------------------|----------------|--------------|--------------------------------------|----------------|
| Relinquished By (Signed)    | Date           | Time         | Received by (signed)                 | Date           |
| <u>Kyle Gillis</u>          | <u>7/17/08</u> | <u>15:00</u> | <u>Mike Karlos</u>                   | <u>7-17-08</u> |
|                             |                |              |                                      |                |
|                             |                |              |                                      |                |
|                             |                |              | GEL PM: <u>Erin Stanley</u>          |                |
|                             |                |              | Method of Shipment: <u>Fedex</u>     |                |
|                             |                |              | Date Shipped: <u>7/17/08</u>         |                |
|                             |                |              | Airbill #:                           |                |
|                             |                |              | Airbill #:                           |                |

|   |  |   |
|---|--|---|
| Chain of Custody Number = Client Determined<br>Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite<br>Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.<br>Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal<br>Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).<br>Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hydrogen Peroxide, ST = Sodium Thiosulfate. If no preservative is added = leave field blank<br><b>WHITE = LABORATORY      YELLOW = FIL      PINK = CLIENT</b> |  | For Lab Receiving Use Only<br>Custody Seal Intact?<br>YES      NO<br>Cooler Temp:<br><u>7</u> |
|---|--|---|

|   |  |   |
|---|--|---|
| Page: <u>2</u> of <u>4</u><br>Project #: <u>161072</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> :<br>PO Number: <u>161072</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number:  |  |   |

| Client Name: <u>TRC</u>  |                               |                                      |                           |                                  |                                 | Phone #: <u>415-644-3000</u> |                |                            |       |       |               | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test)  |  |  |  |  |  |  |  |  |  |
|--|-------------------------------|--------------------------------------|---------------------------|----------------------------------|---------------------------------|------------------------------|----------------|----------------------------|-------|-------|---------------|--|--|--|--|--|--|--|--|--|--|
| Project/Site Name: <u>HBPP</u>   |                               |                                      |                           |                                  |                                 | Fax #: <u>415-641-9378</u>   |                |                            |       |       |               | <div style="display: flex; justify-content: space-between;"> <span>Should this sample be considered:</span> <span>&lt;-- Preservative Type (6)</span> </div> |  |  |  |  |  |  |  |  |  |
| Address: <u>55 2nd st., Suite 575, San Francisco, CA 94105</u>                     |                               |                                      |                           |                                  |                                 |                              |                |                            |       |       |               |  |  |  |  |  |  |  |  |  |  |
| Collected by: <u>K. Gillis</u> Send Results To: <u>mcarvalho@trresolutions.com</u> |                               |                                      |                           |                                  |                                 |                              |                |                            |       |       |               |  |  |  |  |  |  |  |  |  |  |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small>   | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(Military) (hhmm) | QC Code<br><sup>(1)</sup> | Field Filtered<br><sup>(2)</sup> | Sample Matrix<br><sup>(4)</sup> | Radioactive                  | TSCA Regulated | Total number of containers | TPH-d | SVOCs | CAM-17 Metals | CS-137   |  |  |  |  |  |  |  |  |  |
| B-26-1.0   | 7/16/08                       | 16:05                                | G                         | NA                               | SO                              | N                            |                | 2                          | X     | X     | X             |  |  |  |  |  |  |  |  |  |  |
| B-26-1.0 Gamma   |                               | 16:05                                |                           |                                  |                                 |                              |                | 1                          |       |       |               | X  |  |  |  |  |  |  |  |  |  |
| B-26-4.0   |                               | 16:20                                |                           |                                  |                                 |                              |                | 2                          | X     | X     | X             |  |  |  |  |  |  |  |  |  |  |
| B-26-4.0 Gamma   | ✓                             | 16:20                                |                           |                                  |                                 |                              |                | 1                          |       |       |               | X  |  |  |  |  |  |  |  |  |  |
| B-25-1.0   | 7/17/08                       | 8:20                                 |                           |                                  |                                 |                              |                | 2                          | X     | X     | X             |  |  |  |  |  |  |  |  |  |  |
| B-25-1.0 Gamma   |                               | 8:20                                 |                           |                                  |                                 |                              |                | 1                          |       |       |               | X  |  |  |  |  |  |  |  |  |  |
| B-25-4.0   |                               | 8:45                                 |                           |                                  |                                 |                              |                | 2                          | X     | X     | X             |  |  |  |  |  |  |  |  |  |  |
| B-25-4.0 Gamma   |                               | 8:45                                 |                           |                                  |                                 |                              |                | 1                          |       |       |               | X  |  |  |  |  |  |  |  |  |  |
| B-22-1.0   |                               | 9:00                                 |                           |                                  |                                 |                              |                | 2                          | X     | X     | X             |  |  |  |  |  |  |  |  |  |  |
| B-22-1.0 Gamma   | ✓                             | 9:00                                 | ✓                         | ✓                                | ✓                               | ✓                            | ✓              | 1                          |       |       |               | X  |  |  |  |  |  |  |  |  |  |

|  |  |                |   |                                |  |  |
|--|--|----------------|---|--------------------------------|--|--|
| TAT Requested: Normal:   |  | Rush: <u>X</u> | Specify: <u>48 hr.</u> (Subject to Surcharge) | Fax Results: Yes / <u>(No)</u> | Circle Deliverable: C of A / QC Summary / Level 1 / <u>Level 2</u> / Level 3 / Level 4 |  |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards<br><u>All metals were field filtered (GW)</u> |  |                |   |                                |  | Sample Collection Time Zone<br>Eastern <u>Pacific</u><br>Central Other _____<br>Mountain |

| Chain of Custody Signatures |                |              |                      |                |              | Sample Shipping and Delivery Details |                              |
|-----------------------------|----------------|--------------|----------------------|----------------|--------------|--------------------------------------|------------------------------|
| Relinquished By (Signed)    | Date           | Time         | Received by (signed) | Date           | Time         |                                      |                              |
| <u>Kyle Hillis</u>          | <u>7/17/08</u> | <u>15:00</u> | <u>Mike Kahn</u>     | <u>7-18-08</u> | <u>09:15</u> | GEL PM: <u>Erin Stanley</u>          |                              |
|                             |                |              |                      |                |              | Method of Shipment: <u>Fedex</u>     | Date Shipped: <u>7/17/08</u> |
|                             |                |              |                      |                |              | Airbill #:                           |                              |
|                             |                |              |                      |                |              | Airbill #:                           |                              |

|  |  |  |
|--|--|--|
| 1.) Chain of Custody Number = Client Determined<br>2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite<br>3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.<br>4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal<br>5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).<br>6.) Preservative Type: HIA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank |  | For Lab Receiving Use Only<br>Custody Seal Intact?<br>YES NO<br>Cooler Temp:<br><u>4</u> C |
| WHITE = LABORATORY      YELLOW = FILE      PINK = CLIENT   |  |  |

|  |  |  |  |   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
|--|--|--|--|---|--|-------------------------------|--|--|--|---|--|---|--|--|--|--|------------------------------|--|--|--|--|
| Page <u>3</u> of <u>4</u>  |  | GEL Chain of Custody and Analytical Request        |  |   |  |                               |  |  |  |   |  | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |  |  |  |  |                              |  |  |  |  |
| Project #: <u>161072</u>   |  | GEL Work Order Number:                             |  |   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| GEL Quote #:   |  |  |  |   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| COC Number <sup>(1)</sup> :  |  |  |  |   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| PO Number: <u>161072</u>   |  |  |  |   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| Client Name: <u>TRC</u>  |  | Phone #: <u>415-644-3000</u>                       |  | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| Project/Site Name: <u>HBPP</u>   |  | Fax #: <u>415-541-9378</u>                         |  | Should this sample be considered:   |  | Total number of containers    |  | <div>← Preservative Type (6)</div> <div>Comments<br/>Note: extra sample is required for sample specific QC</div> |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| Address: <u>55 2nd St., Suite 575, San Francisco, CA 94105</u>   |  |  |  |   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| Collected by: <u>K. Gillis</u>   |  | Send Results To: <u>mcarvalho@trcsolutions.com</u> |  | Radioactive   |  | TSCA Regulated                |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small>   |  | *Date Collected<br><small>(mm-dd-yy)</small>       |  | *Time Collected<br><small>(Military) (hhmm)</small>                                       |  | QC Code<br><small>(3)</small> |  | Field Filtered <sup>(2)</sup>  |  | Sample Matrix <sup>(4)</sup>  |  |   |  |  |  |  |                              |  |  |  |  |
| <u>B-22-4.0</u>  |  | <u>7/17/08</u>                                     |  | <u>9:20</u>   |  | <u>G</u>                      |  | <u>NA</u>  |  | <u>SO</u>   |  |   |  |  |  |  |                              |  |  |  |  |
| <u>B-22-4.0 Gamma</u>  |  |  |  | <u>9:20</u>   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| <u>B-27-1.0</u>  |  |  |  | <u>9:35</u>   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| <u>B-27-1.0 Gamma</u>  |  |  |  | <u>9:35</u>   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| <u>B-27-4.0</u>  |  |  |  | <u>9:45</u>   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| <u>B-27-4.0 Gamma</u>  |  |  |  | <u>9:45</u>   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| <u>B-21-1.0</u>  |  |  |  | <u>10:10</u>  |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| <u>B-21-1.0 Gamma</u>  |  |  |  | <u>10:10</u>  |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| <u>B-21-4.0</u>  |  |  |  | <u>10:30</u>  |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| <u>B-21-4.0 Gamma</u>  |  | <u>✓</u>   |  | <u>10:30</u>  |  | <u>↓</u>                      |  | <u>↓</u>   |  | <u>↓</u>  |  |   |  |  |  |  |                              |  |  |  |  |
| TAT Requested: Normal:   |  | Rush: <u>X</u>                                     |  | Specify: <u>48 hr.</u> (Subject to Surchage)  |  | Fax Results: Yes / <u>No</u>  |  | Circle Deliverable: C of A / QC Summary / Level 1 / <u>Level 2</u> / Level 3 / Level 4                           |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards   |  |  |  |   |  |                               |  |  |  | Sample Collection Time Zone   |  |   |  |  |  |  |                              |  |  |  |  |
| <u>All metals were field filtered (GW)</u>   |  |  |  |   |  |                               |  |  |  | <div>Eastern <input type="checkbox"/></div> <div>Central <input type="checkbox"/></div> <div>Mountain <input type="checkbox"/></div> <div>Pacific <input checked="" type="checkbox"/></div> <div>Other <input type="checkbox"/></div> |  |   |  |  |  |  |                              |  |  |  |  |
| Chain of Custody Signatures  |  |  |  |   |  |                               |  |  |  | Sample Shipping and Delivery Details  |  |   |  |  |  |  |                              |  |  |  |  |
| Relinquished By (Signed)   |  | Date   |  | Time  |  | Received by (signed)          |  | Date   |  | Time  |  | GEL PM: <u>Erin Stanley</u>   |  |  |  |  |                              |  |  |  |  |
| <u>Kyle Gillis</u>   |  | <u>7/17/08</u>                                     |  | <u>15:00</u>  |  | <u>M. Carvalh</u>             |  | <u>7-13-08</u>   |  | <u>09:15</u>  |  | Method of Shipment: <u>Fedex</u>  |  |  |  |  | Date Shipped: <u>7/17/08</u> |  |  |  |  |
|  |  |  |  |   |  |                               |  |  |  |   |  | Airbill #:  |  |  |  |  |                              |  |  |  |  |
|  |  |  |  |   |  |                               |  |  |  |   |  | Airbill #:  |  |  |  |  |                              |  |  |  |  |
| 1) Chain of Custody Number = Client Determined   |  |  |  |   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| 2) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite                                  |  |  |  |   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| 3) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.  |  |  |  |   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| 4) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal                   |  |  |  |   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| 5) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).  |  |  |  |   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| 6) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank |  |  |  |   |  |                               |  |  |  |   |  |   |  |  |  |  |                              |  |  |  |  |
| WHITE = LABORATORY   |  |  |  |   |  |                               |  |  |  | YELLOW = FIL  |  |   |  |  |  |  |                              |  |  |  |  |
|  |  |  |  |   |  |                               |  |  |  | PINK = CLIENT   |  |   |  |  |  |  |                              |  |  |  |  |
|  |  |  |  |   |  |                               |  |  |  | For Lab Receiving Use Only  |  |   |  |  |  |  |                              |  |  |  |  |
|  |  |  |  |   |  |                               |  |  |  | Custody Seal Intact?  |  |   |  |  |  |  |                              |  |  |  |  |
|  |  |  |  |   |  |                               |  |  |  | YES NO  |  |   |  |  |  |  |                              |  |  |  |  |
|  |  |  |  |   |  |                               |  |  |  | Cooler Temp:  |  |   |  |  |  |  |                              |  |  |  |  |
|  |  |  |  |   |  |                               |  |  |  | <u>4</u>  |  |   |  |  |  |  |                              |  |  |  |  |

|   |  |   |
|---|--|---|
| Page: <u>4</u> of <u>4</u><br>Project #: <u>161072</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> :<br>PO Number: <u>161072</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number:  |  |   |

|  |                               |  |                             |   |                            |                               |                              |              |        |   |  |  |  |  |  |   |  |  |  |                         |
|--|-------------------------------|--|-----------------------------|---|----------------------------|-------------------------------|------------------------------|--------------|--------|---|--|--|--|--|--|---|--|--|--|-------------------------|
| Client Name: <u>TRC</u>  |                               | Phone #: <u>415-644-3000</u>                       |                             | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                            |                               |                              |              |        |   |  |  |  |  |  |   |  |  |  |                         |
| Project/Site Name: <u>HAPP</u>   |                               | Fax #: <u>415-541-9378</u>                         |                             | Should this sample be considered:   | Total number of containers | TPH-d                         | SVOCs                        | CAH-n Metals | CS-137 |   |  |  |  |  |  |   |  |  |  | ← Preservative Type (6) |
| Address: <u>55 2nd St., Suite 575, San Francisco, CA 94105</u>                   |                               |  |                             |   |                            |                               |                              |              |        |   |  |  |  |  |  |   |  |  |  |                         |
| Collected by: <u>K. Gillis</u>   |                               | Send Results To: <u>mcarvalho@trcsolutions.com</u> |                             | Radioactive   | TSCA Regulated             |                               |                              |              |        |   |  |  |  |  |  | Comments<br>Note: extra sample is required for sample specific QC |  |  |  |                         |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(Military) (hhmm)               | QC Code<br>( <sup>3</sup> ) |   |                            | Field Filtered <sup>(4)</sup> | Sample Matrix <sup>(4)</sup> |              |        |   |  |  |  |  |  |   |  |  |  |                         |
| B-23-10  | 7/17/08                       | 11:10  | G                           | NA  | SO                         | N                             | 2                            | X            | X      | X |  |  |  |  |  |   |  |  |  |                         |
| B-23-10 Gamma  |                               | 11:10  |                             |   |                            |                               | 1                            |              |        |   |  |  |  |  |  |   |  |  |  |                         |
| B-23-40  |                               | 11:35  |                             |   |                            |                               | 2                            | X            | X      | X |  |  |  |  |  |   |  |  |  |                         |
| B-23-40 Gamma  |                               | 11:35  |                             |   |                            |                               | 1                            |              |        |   |  |  |  |  |  |   |  |  |  |                         |
| B-21-6W  |                               | 10:45  |                             | Y   | 6W                         |                               | 3                            | X            | X      | X |  |  |  |  |  |   |  |  |  |                         |
| B-23-6W  |                               | 12:00  |                             | Y   | 6W                         |                               | 3                            | X            | X      | X |  |  |  |  |  |   |  |  |  |                         |

TAT Requested: Normal: Rush: ☒ Specify: 48 hr (Subject to Surcharges) Fax Results: Yes: / ☒ No: Circle Deliverable: C of A / QC Summary / Level 1 / ☒ Level 2 / Level 3 / Level 4

Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards

All metals were field filtered (6W)

Sample Collection Time Zone

Eastern ☒ Pacific  
 Central Other  
 Mountain

| Chain of Custody Signatures |                |              |                                  | Sample Shipping and Delivery Details |                              |
|-----------------------------|----------------|--------------|----------------------------------|--------------------------------------|------------------------------|
| Relinquished By (Signed)    | Date           | Time         | Received by (signed)             | Date                                 | Time                         |
| <u>Kyle Hill</u>            | <u>7/17/08</u> | <u>15:00</u> | <u>Mike Kulow</u>                | <u>7-18-08</u>                       | <u>09:15</u>                 |
|                             |                |              | GEL PM: <u>Erin Stanley</u>      |                                      |                              |
|                             |                |              | Method of Shipment: <u>Fedex</u> |                                      | Date Shipped: <u>7/17/08</u> |
|                             |                |              | Airbill #:                       |                                      |                              |
|                             |                |              | Airbill #:                       |                                      |                              |

1.1 Chain of Custody Number = Client Determined

2.1 QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite

3.1 Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.

4.1 Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal

5.1 Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).

6.1 Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank

WHITE = LABORATORY

YELLOW = FIELD

PINK = CLIENT

For Lab Receiving Use Only

Custody Seal Intact?

YES NO

Cooler Temp:

4 C

|  |   |   |
|--|---|---|
| Page <u>1</u> of <u>4</u><br>Project #: <u>161072</u><br>GEL Quote #: _____<br>CQC Number (1): _____<br>PO Number: <u>161072</u> | <h2 style="margin: 0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number: _____   |   |   |

|  |                               |   |                |   |                            |       |       |               |        |                       |                      |  |  |  |  |                         |  |  |  |   |
|--|-------------------------------|---|----------------|---|----------------------------|-------|-------|---------------|--------|-----------------------|----------------------|--|--|--|--|-------------------------|--|--|--|---|
| Client Name: <u>TRC</u>  |                               | Phone #: <u>415-644-3000</u>                      |                | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                            |       |       |               |        |                       |                      |  |  |  |  |                         |  |  |  |   |
| Project/Site Name: <u>HBPP</u>   |                               | Fax #: <u>415-541-9378</u>                        |                | Should this sample be considered:   | Total number of containers |       |       |               |        |                       |                      |  |  |  |  | ← Preservative Type (6) |  |  |  |   |
| Address: <u>55 2nd St, Suite 575, SF, CA 94105</u>                               |                               |   |                |   |                            |       |       |               |        |                       |                      |  |  |  |  |                         |  |  |  |   |
| Collected by: <u>M. Sellwood</u>   |                               | Send Results To: <u>mcarvalho@resolutions.com</u> |                | Radioactive   | TSCA Regulated             | TPH-d | SVOCs | CAM-17 metals | CS-137 |                       |                      |  |  |  |  |                         |  |  |  | Comments<br>Note: extra sample is required for sample specific QC |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(Military) (hhmm)              | QC Code<br>(2) |   |                            |       |       |               |        | Field Filtered<br>(3) | Sample Matrix<br>(4) |  |  |  |  |                         |  |  |  |   |
| B-33-0.5   | 07/16/08                      | 1315  | G              | NA  | S                          | N     | 2     | X             | X      | X                     |                      |  |  |  |  |                         |  |  |  |   |
| B-33-4.5   | ↓                             | 1325  | ↓              | ↓   | ↓                          |       | 2     | X             | X      | X                     |                      |  |  |  |  |                         |  |  |  |   |
| B-33-0.5 gamma   | ↓                             | 1315  | ↓              | ↓   | ↓                          |       | 1     |               |        |                       |                      |  |  |  |  |                         |  |  |  |   |
| B-33-4.5 gamma   | ↓                             | 1325  | ↓              | ↓   | ↓                          |       | 1     |               |        |                       |                      |  |  |  |  |                         |  |  |  |   |
| PS-11C-0.3   | ↓                             | 1345  | ↓              | ↓   | ↓                          |       | 2     | X             | X      | X                     |                      |  |  |  |  |                         |  |  |  |   |
| PS-11C-1.5   | ↓                             | 1355  | ↓              | ↓   | ↓                          |       | 2     | X             | X      | X                     |                      |  |  |  |  |                         |  |  |  |   |
| PS-11C-0.3 gamma   | ↓                             | 1345  | ↓              | ↓   | ↓                          |       | 1     |               |        |                       |                      |  |  |  |  |                         |  |  |  |   |
| PS-11C-1.5 gamma   | ↓                             | 1355  | ↓              | ↓   | ↓                          |       | 1     |               |        |                       |                      |  |  |  |  |                         |  |  |  |   |
| B-19-0.5   | ↓                             | 1450  | ↓              | ↓   | ↓                          |       | 2     | X             | X      | X                     |                      |  |  |  |  |                         |  |  |  |   |
| B-19-4.5   | ↓                             | 1515  | ↓              | ↓   | ↓                          |       | 2     | X             | X      | X                     |                      |  |  |  |  |                         |  |  |  |   |

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| TAT Requested: Normal: _____ Rush: <input checked="" type="checkbox"/> Specify: <u>48 hr.</u> (Subject to Surchage)                            |  | Fax Results: Yes / <input checked="" type="checkbox"/> (No) |  | Circle Deliverable: C of A / QC Summary / Level 1 / <input checked="" type="checkbox"/> Level 2 / Level 3 / Level 4.                    |  |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards<br><u>All metals were field filtered (6w)</u> |  |   |  | Sample Collection Time Zone<br>Eastern <input checked="" type="checkbox"/> Pacific _____<br>Central _____ Other _____<br>Mountain _____ |  |

| Chain of Custody Signatures |                 |             | Sample Shipping and Delivery Details |                     |
|-----------------------------|-----------------|-------------|--------------------------------------|---------------------|
| Relinquished By (Signed)    | Date            | Time        | Received by (signed)                 | Date                |
| <u>Mh Uhl</u>               | <u>07/17/08</u> | <u>1530</u> | <u>Ab Kahr</u>                       | <u>7-18-08 0915</u> |
|                             |                 |             | GEL PM: <u>Erin Stanley</u>          |                     |
|                             |                 |             | Method of Shipment: <u>Fedex</u>     |                     |
|                             |                 |             | Date Shipped: <u>7/17/08</u>         |                     |
|                             |                 |             | Airbill #:                           |                     |
|                             |                 |             | Airbill #:                           |                     |

|   |  |  |
|---|--|--|
| 1. Chain of Custody Number = Client Determined<br>2. QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite<br>3. Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.<br>4. Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal<br>5. Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).<br>6. Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank |  | For Lab Receiving Use Only<br>Custody Seal Intact?<br>YES _____ NO _____<br>Cooler Temp:<br><u>4</u> |
| WHITE = LABORATORY      YELLOW = FILT      PINK = CLIENT  |  |  |

|   |                         |  |   |   |   |
|---|-------------------------|--|---|---|---|
| Page: <u>2</u> of <u>4</u><br>Project #: <u>161072</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> :<br>PO Number: <u>161072</u>   |                         | <b>GEL Chain of Custody and Analytical Request</b> |   | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |   |
| Client Name: <u>TRC</u>   |                         | Phone #: <u>415-644-3000</u>                       |   | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test)                         |   |
| Project/Site Name: <u>HBPB</u>  |                         | Fax #: <u>415-541-9378</u>                         |   | Should this sample be considered:   |   |
| Address: <u>55 2nd St., Suite 575, SF, CA 94105</u>   |                         | Collected by: <u>M. Sellwood</u>                   |   | Send Results To: <u>mcarvalho@tresolutions.com</u>  |   |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small>  |                         | *Date Collected<br>(mm-dd-yy)                      | *Time Collected<br>(Military)<br>(hhmm)     | QC Code<br>(a)  | Field Filtered<br>(b)   |
|   |                         |  |   | Sample Matrix<br>(c)  | Radioactive<br>TSCA Regulated   |
|   |                         |  |   |   | Total number of containers<br>TPH-d<br>SVOCs<br>CAM-17 metals<br>CS-137 |
| B-19-0.5 gamma  |                         | 07/16/08   | 1450  | G-NA-S  | N   |
| B-19-4.5 gamma  |                         | ↓  | 1515  | ↓   | ↓   |
| PS-23BC-0.5   |                         | ↓  | 1540  | ↓   | ↓   |
| PS-23BC-0.5 gamma   |                         | ↓  | 1540  | ↓   | ↓   |
| B-29-0.5  |                         | 07/17/08   | 0825  | ↓   | ↓   |
| B-29-4.5  |                         | ↓  | 0835  | ↓   | ↓   |
| B-29-0.5 gamma  |                         | ↓  | 0825  | ↓   | ↓   |
| B-29-4.5 gamma  |                         | ↓  | 0835  | ↓   | ↓   |
| B-29-gw   |                         | ↓  | 0855  | Y   | W   |
| PS-20C-0.3  |                         | ↓  | 0900  | ↓   | NA S  |
| TAT Requested: Normal; Rush: <input checked="" type="checkbox"/> Specify: <u>45 hr.</u> (Subject to Surcharge) Fax Results: Yes / <input checked="" type="checkbox"/> <b>NO</b> Circle Deliverable: C of A / QC Summary / Level 1 / <u>Level 2</u> / Level 3 / Level 4. |                         |  |   |   |   |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards<br><u>All metals were field filtered (GW)</u>  |                         |  |   |   |   |
| Sample Collection Time Zone<br>Eastern <input checked="" type="checkbox"/> Pacific<br>Central <input type="checkbox"/> Other <input type="checkbox"/> Mountain  |                         |  |   |   |   |
| Chain of Custody Signatures   |                         |  | Sample Shipping and Delivery Details        |   |   |
| Relinquished By (Signed)<br><u>M. Sellwood</u>  | Date<br><u>07/17/08</u> | Time<br><u>1530</u>                                | Received by (signed)<br><u>Elin Stanley</u> | Date<br><u>7-18-08</u>  | Time<br><u>0915</u>   |
| 1   |                         |  | GEL PM: <u>Elin Stanley</u>                 |   |   |
| 2   |                         |  | Method of Shipment: <u>Fedex</u>            |   |   |
| 3   |                         |  | Date Shipped: <u>7/17/08</u>                |   |   |
| 4   |                         |  | Airbill #:                                  |   |   |
| 5   |                         |  | Airbill #:                                  |   |   |
| For Lab Receiving Use Only  |                         |  |   |   |   |
| Custody Seal Intact?<br>YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>   |                         |  |   |   |   |
| Cooler Temp:<br><u>4</u> C  |                         |  |   |   |   |

1.) Chain of Custody Number = Client Determined

2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite

3.) Field Filtered: For liquid matrices, indicate with a Y - for yes the sample was field filtered or - N - for sample was not field filtered.

4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal

5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).

6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank

WHITE = LABORATORY

YELLOW = FIELD

PINK = CLIENT

| <b>GEL Chain of Custody and Analytical Request</b>   |  |                              |  |                |                       |   |  |                |                            | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |        |                     |  |                                  |  |  |
|--|--|------------------------------|--|----------------|-----------------------|---|--|----------------|----------------------------|---|--------|---------------------|--|----------------------------------|--|--|
| Page <u>3</u> of <u>4</u><br>Project #: <u>161072</u><br>Quote #:<br>POC Number (H):<br>PD Number: <u>161072</u>   |  |                              | GEL Work Order Number:                             |                |                       |   |  |                |                            |   |        |                     |  |                                  |  |  |
| Client Name: <u>TAC</u>  |  |                              | Phone #: <u>415-644-3000</u>                       |                |                       | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |  |                |                            |   |        |                     |  |                                  |  |  |
| Project/Site Name: <u>HBPB</u>   |  |                              | Fax #: <u>415-541-9328</u>                         |                |                       | -- Preservative Type (6)  |  |                |                            |   |        |                     |  |                                  |  |  |
| Address: <u>65 2nd St., Suite 575, SF, CA 94105</u>  |  |                              |  |                |                       | <b>Comments</b><br>Note: extra sample is required for sample specific QC                  |  |                |                            |   |        |                     |  |                                  |  |  |
| Collected by: <u>M. Sellwood</u>   |  |                              | Send Results To: <u>mcarvalho@tresolutions.com</u> |                |                       |   |  |                |                            |   |        |                     |  |                                  |  |  |
| Should this sample be considered:  |  |                              |  |                |                       |   |  |                |                            |   |        |                     |  |                                  |  |  |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small>   |  | Date Collected<br>(mm-dd-yy) | Time Collected<br>(Military)<br>(hh:mm)            | QC Code<br>(*) | Field Filtered<br>(*) | Sample Matrix<br>(*)  | Radioactive                                | TSCA Regulated | Total number of containers | TPH-B   | SVOLCS | CAM-17 Metals       | Cs-137   |                                  |  |  |
| <u>PS-20C-4.5</u>  |  | <u>07/17/08</u>              | <u>0910</u>  | <u>G</u>       | <u>NA</u>             | <u>S</u>  | <u>N</u>                                   |                | <u>2</u>                   | X   | X      | X                   |  |                                  |  |  |
| <u>PS-20C-0.3 gamma</u>  |  | ↓                            | <u>0900</u>  | ↓              | ↓                     | ↓   | ↓  |                | <u>1</u>                   |   |        |                     | X  |                                  |  |  |
| <u>PS-20C-4.5 gamma</u>  |  | ↓                            | <u>0910</u>  | ↓              | ↓                     | ↓   | ↓  |                | <u>1</u>                   |   |        |                     | X  |                                  |  |  |
| <u>B-28-0.5</u>  |  | ↓                            | <u>0940</u>  | ↓              | ↓                     | ↓   | ↓  |                | <u>2</u>                   | X   | X      | X                   |  |                                  |  |  |
| <u>B-28-4.5</u>  |  | ↓                            | <u>1000</u>  | ↓              | ↓                     | ↓   | ↓  |                | <u>2</u>                   | X   | X      | X                   |  |                                  |  |  |
| <u>B-28-0.5 gamma</u>  |  | ↓                            | <u>0940</u>  | ↓              | ↓                     | ↓   | ↓  |                | <u>1</u>                   |   |        |                     | X  |                                  |  |  |
| <u>B-28-4.5 gamma</u>  |  | ↓                            | <u>1000</u>  | ↓              | ↓                     | ↓   | ↓  |                | <u>1</u>                   |   |        |                     | X  |                                  |  |  |
| <u>B-24-0.5</u>  |  | ↓                            | <u>1015</u>  |                |                       |   | ↓  |                | <u>2</u>                   | X   | X      | X                   |  |                                  |  |  |
| <u>B-24-4.5</u>  |  | ↓                            | <u>1040</u>  |                |                       |   | ↓  |                | <u>2</u>                   | X   | X      | X                   |  |                                  |  |  |
| <u>B-24-0.5 gamma</u>  |  | ↓                            | <u>1015</u>  |                |                       |   | ↓  |                | <u>1</u>                   |   |        |                     | X  |                                  |  |  |
| Request: Normal / Rush: <u>X</u> Specify: <u>4 hr.</u> (Subject to Surcharge) Fax Results: Yes / No <u>No</u>  |  |                              |  |                |                       | Circle Deliverable: C of A / QC Summary / Level 1 / <u>Level 2</u> / Level 3 / Level 4.   |  |                |                            |   |        |                     |  |                                  |  |  |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards.<br><u>All metals were field filtered (6w)</u>  |  |                              |  |                |                       |   |  |                |                            |   |        |                     | Sample Collection Time Zone<br>Eastern Pacific <u>Pacific</u><br>Central Other _____<br>Mountain _____ |                                  |  |  |
| Chain of Custody Signatures  |  |                              |  |                |                       |   | Sample Shipping and Delivery Details       |                |                            |   |        |                     |  |                                  |  |  |
| Relinquished By (Signed)<br><u>Mil Lillard</u>   |  |                              | Date<br><u>07/17/08</u>                            |                | Time<br><u>1530</u>   |   | Received by (signed)<br><u>[Signature]</u> |                |                            | Date<br><u>7-18-08</u>  |        | Time<br><u>0915</u> |  | GEL PM: <u>Erin Stanley</u>      |  |  |
|  |  |                              |  |                |                       |   |  |                |                            |   |        |                     |  | Method of Shipment: <u>Fedex</u> |  |  |
|  |  |                              |  |                |                       |   |  |                |                            |   |        |                     |  | Date Shipped: <u>7/17/08</u>     |  |  |
|  |  |                              |  |                |                       |   |  |                |                            |   |        |                     |  | Airbill #:                       |  |  |
|  |  |                              |  |                |                       |   |  |                |                            |   |        |                     |  | Airbill #:                       |  |  |
| <small>1. Chain of Custody Number = Client Determined</small><br><small>2. Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite</small><br><small>3. Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.</small><br><small>4. Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal</small><br><small>5. Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).</small><br><small>6. Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexamethylenesulfate, ST = Sodium Thiosulfate. If no preservative is added = leave blank</small> |  |                              |  |                |                       |   |  |                |                            |   |        |                     |  |                                  |  |  |
| WHITE = LABORATORY   |  |                              |  |                | YELLOW = FILE         |   |  |                |                            | PINK = CLIENT   |        |                     |  |                                  |  |  |
| For Lab Receiving Use Only   |  |                              |  |                |                       |   |  |                |                            |   |        |                     |  |                                  |  |  |
| Custody Seal Intact?<br>YES NO   |  |                              |  |                |                       |   |  |                |                            |   |        |                     |  |                                  |  |  |
| Cooler Temp: <u>4</u>  |  |                              |  |                |                       |   |  |                |                            |   |        |                     |  |                                  |  |  |



[illegible]

**GEL**

Laboratories LLC

**SAMPLE RECEIPT & REVIEW FORM**

Client:

TRC

SDG/ARCOC/Work Order: 212231, 212238, 212233

Received By:

MK

Date Received:

7-18-08

Suspected Hazard Information

Yes

No

\*If Counts &gt; x2 area background on samples not marked "radioactive", contact the Radiation Safety Group of further investigation.

COC/Samples marked as radioactive?

✓

✓

Maximum Counts Observed\*:

24m 40

Classified Radioactive II by RSO?

✓

✓

COC/Samples marked containing PCBs?

✓

✓

Shipped as a DOT Hazardous?

✓

✓

Hazard Class Shipped:

UN#:

Samples identified as Foreign Soil?

✓

✓

## Sample Receipt Criteria

Yes

NA

No

Comments/Qualifiers (Required for Non-Conforming Items)

Circle Applicable:

seals broken

damaged container

leaking container

other (describe)

1

Shipping containers received intact and sealed?

✓

✓

✓

seals broken

damaged container

leaking container

other (describe)

2

Samples requiring cold preservation within (4 +/- 2 C)?

✓

✓

✓

ice bags

blue ice

Preservation Method:

dry ice

none

other (describe)

3

Chain of custody documents included with shipment?

✓

✓

✓

seals broken

damaged container

leaking container

other (describe)

4

Sample containers intact and sealed?

✓

✓

✓

Sample ID's, containers affected and observed pH:

5

Samples requiring chemical preservation at proper pH?

✓

✓

✓

If Preservation added, Lot#:

6

VOA vials free of headspace (defined as &lt; 6mm bubble)?

✓

✓

✓

Sample ID's and containers affected:

7

Are Encore containers present?

✓

✓

✓

(If yes, immediately deliver to Volatiles laboratory)

8

Samples received within holding time?

✓

✓

✓

ID's and tests affected:

9

Sample ID's on COC match ID's on bottles?

✓

✓

✓

Sample ID's and containers affected:

10

Date &amp; time on COC match date &amp; time on bottles?

✓

✓

✓

Sample ID's affected:

11

Number of containers received match number indicated on COC?

✓

✓

✓

Sample ID's affected:

12

COC form is properly signed in relinquished/received sections?

✓

✓

✓

Comments:

FX 7955 1706 4770  
4683  
4709  
4731  
4720  
4742  
4694

PM (or PMA) review: Initials

9/18/08

Date

7/18/08

**List of current GEL Certifications as of 31 July 2008**

| <b>State</b>              | <b>Certification</b> |
|---------------------------|----------------------|
| Arizona                   | AZ0668               |
| Arkansas                  | 88-0651              |
| CLIA                      | 42D0904046           |
| California - NELAP        | 01151CA              |
| Colorado                  | GEL                  |
| Connecticut               | PH-0169              |
| Dept. of Navy             | NFESC 413            |
| EPA Region 5              | WG-15J               |
| Florida - NELAP           | E87156               |
| Georgia                   | E87156 (FL/NELAP)    |
| Georgia DW                | 967                  |
| Hawaii                    | N/A                  |
| ISO 17025                 | 2567.01              |
| Idaho                     | SC00012              |
| Illinois - NELAP          | 200029               |
| Indiana                   | C-SC-01              |
| Kansas - NELAP            | E-10332              |
| Kentucky                  | 90129                |
| Louisiana - NELAP         | 03046                |
| Maryland                  | 270                  |
| Massachusetts             | M-SC012              |
| Nevada                    | SC00012              |
| New Jersey - NELAP        | SC002                |
| New Mexico                | FL NELAP E87156      |
| New York - NELAP          | 11501                |
| North Carolina            | 233                  |
| North Carolina DW         | 45709                |
| Oklahoma                  | 9904                 |
| Pennsylvania - NELAP      | 68-00485             |
| South Carolina            | 10120001/10120002    |
| Tennessee                 | TN 02934             |
| Texas - NELAP             | T104704235-07B-TX    |
| U.S. Dept. of Agriculture | S-52597              |
| Utah - NELAP              | GEL                  |
| Vermont                   | VT87156              |
| Virginia                  | 00151                |
| Washington                | CI641                |



a member of **The GEL Group** INC



PO Box 30712 Charleston, SC 29417  
2040 Savage Road Charleston, SC 29407  
P 843.556.8171 F 843.766.1178

[www.gel.com](http://www.gel.com)

August 11, 2008

Mr. Moises Carvalho  
TRC Solutions, Inc.  
55 2nd Street, Suite 575  
San Francisco, California 94105

Re: Humboldt Bay NPP Project 161072, Task 2400  
Work Order: 213274

Dear Mr. Carvalho:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 18, 2008. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4504.

Sincerely,

Erin Stanley  
Project Manager

Purchase Order: Agreement No: GELL-  
Enclosures

|   |  |   |  |   |              |                                      |          |                              |          |          |          |  |
|---|--|---|--|---|--------------|--------------------------------------|----------|------------------------------|----------|----------|----------|--|
| Page: <u>1</u> of <u>4</u><br>Project #: <u>161072</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> :<br>PO Number: <u>161072</u>   | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178   |  |   |              |                                      |          |                              |          |          |          |  |
| Client Name: <u>TRC</u> Phone #: <u>415-644-3000</u>  |  | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test)   |  |   |              |                                      |          |                              |          |          |          |  |
| Project/Site Name: <u>HBPP</u> Fax #: <u>415-541-9378</u>   |  | Should this sample be considered:<br><div style="display: flex; justify-content: space-between;"> <div style="width: 40%;">           Total number of containers<br/>           TPH-d<br/>           SVOCs<br/>           CAM-17 Metals<br/>           CS-137         </div> <div style="width: 50%;">           &lt;-- Preservative Type (6)         </div> </div> |  |   |              |                                      |          |                              |          |          |          |  |
| Address: <u>55 2nd St., Suite 575, San Francisco, 94105</u>   |  |   |  |   |              |                                      |          |                              |          |          |          |  |
| Collected by: <u>K. Gillis</u> Send Results To: <u>mcarvalho@trcsolutions.com</u>   |  |   |  |   |              |                                      |          |                              |          |          |          |  |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small>  | *Date Collected (mm-dd-yy)<br>*Time Collected (Military) (hhmm)        | QC Code <sup>(2)</sup><br>Field Filtered <sup>(3)</sup><br>Sample Matrix <sup>(4)</sup><br>Radioactive<br>TSCA Regulated  | Total number of containers<br>TPH-d<br>SVOCs<br>CAM-17 Metals<br>CS-137                | Comments<br>Note: extra sample is required for sample specific QC |              |                                      |          |                              |          |          |          |  |
| <u>B-34-1.0</u>   | <u>7/16/08</u>   | <u>14:10</u>  | <u>G</u>   | <u>NA</u>   | <u>SO</u>    | <u>N</u>                             | <u>2</u> | <u>X</u>                     | <u>X</u> | <u>X</u> |          |  |
| <u>B-34-1.0 Gamma</u>   |  | <u>14:10</u>  |  |   |              |                                      | <u>1</u> |                              |          |          | <u>X</u> |  |
| <u>B-34-4.0</u>   |  | <u>14:25</u>  |  |   |              |                                      | <u>2</u> | <u>X</u>                     | <u>X</u> | <u>X</u> |          |  |
| <u>B-34-4.0 Gamma</u>   |  | <u>14:25</u>  |  |   |              |                                      | <u>1</u> |                              |          |          | <u>X</u> |  |
| <u>B-34-8.0</u>   |  | <u>14:35</u>  |  |   |              |                                      | <u>2</u> | <u>X</u>                     | <u>X</u> | <u>X</u> |          |  |
| <u>B-34-8.0 Gamma</u>   |  | <u>14:35</u>  |  |   |              |                                      | <u>1</u> |                              |          |          | <u>X</u> |  |
| <u>PS-23AC-1.0</u>  |  | <u>15:30</u>  |  |   |              |                                      | <u>2</u> | <u>X</u>                     | <u>X</u> | <u>X</u> |          |  |
| <u>PS-23AC-1.0 Gamma</u>  |  | <u>15:30</u>  |  |   |              |                                      | <u>1</u> |                              |          |          | <u>X</u> |  |
| <u>PS-23AC-4.0</u>  |  | <u>15:45</u>  |  |   |              |                                      | <u>2</u> | <u>X</u>                     | <u>X</u> | <u>X</u> |          |  |
| <u>PS-23AC-4.0 Gamma</u>  |  | <u>15:45</u>  |  |   |              |                                      | <u>1</u> |                              |          |          | <u>X</u> |  |
| TAT Requested: Normal: Rush: <u>X</u> Specify: <u>48 hr.</u> (Subject to Surcharges)  |  | Fax Results: Yes / <u>No</u>  | Circle Deliverable: C of A / QC Summary / Level 1 / <u>Level 2</u> / Level 3 / Level 4 |   |              |                                      |          |                              |          |          |          |  |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards.<br><u>All metals were field filtered (GW)</u>   |  |   |  |   |              |                                      |          |                              |          |          |          | Sample Collection Time Zone<br>Eastern <u>Pacific</u><br>Central Other<br>Mountain |
| Chain of Custody Signatures   |  |   |  |   |              | Sample Shipping and Delivery Details |          |                              |          |          |          |  |
| Relinquished By (Signed)  | Date   | Time  | Received by (signed)   | Date  | Time         | GEL PM: <u>Erin Stanley</u>          |          |                              |          |          |          |  |
| <u>Kyle Gillis</u>  | <u>7/17/08</u>   | <u>15:00</u>  | <u>Mike Karlos</u>   | <u>7-18-08</u>  | <u>09:15</u> | Method of Shipment: <u>Fedex</u>     |          | Date Shipped: <u>7/17/08</u> |          |          |          |  |
|   |  |   |  |   |              | Airbill #:                           |          |                              |          |          |          |  |
|   |  |   |  |   |              | Airbill #:                           |          |                              |          |          |          |  |
| 1.) Chain of Custody Number = Client Determined<br>2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite<br>3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.<br>4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal<br>5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).<br>6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank<br><div style="display: flex; justify-content: space-around; font-weight: bold;"> <span>WHITE = LABORATORY</span> <span>YELLOW = FIELD</span> <span>PINK = CLIENT</span> </div> |  |   |  |   |              |                                      |          |                              |          |          |          |  |
| For Lab Receiving Use Only<br>Custody Seal Intact?<br>YES NO<br>Cooler Temp:<br><u>7</u> C  |  |   |  |   |              |                                      |          |                              |          |          |          |  |

|   |  |   |
|---|--|---|
| Page: <u>2</u> of <u>4</u><br>Project #: <u>161072</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> :<br>PO Number: <u>161072</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number:  |  |   |

|   |                              |   |
|---|------------------------------|---|
| Client Name: <u>THC</u>   | Phone #: <u>415-644-3000</u> | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |
| Project/Site Name: <u>HBPP</u>  | Fax #: <u>415-541-9378</u>   | -- Preservative Type (6)  |
| Address: <u>55 2nd st., Suite 575, San Francisco, CA 94105</u>                    |                              |   |
| Collected by: <u>K. Gillis</u> Send Results To: <u>mcarvalho@tresolutions.com</u> |                              |   |

| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(hhmm) | QC Code<br>(b) | Field Filtered <sup>(4)</sup> | Sample Matrix <sup>(4)</sup> | Radioactive | TSCA Regulated | Total number of containers | TPH-d | SVOCs | CAM-17 Metals | CS-137 | Comments<br><small>Note: extra sample is required for sample specific QC</small> |
|--|-------------------------------|---------------------------|----------------|-------------------------------|------------------------------|-------------|----------------|----------------------------|-------|-------|---------------|--------|--|
| B-26-1.0   | 7/16/08                       | 16:05                     | G              | NA                            | SD                           | N           |                | 2                          | X     | X     | X             |        |  |
| B-26-1.0 Gamma   |                               | 16:05                     |                |                               |                              |             |                | 1                          |       |       |               | X      |  |
| B-26-4.0   |                               | 16:20                     |                |                               |                              |             |                | 2                          | X     | X     | X             |        |  |
| B-26-4.0 Gamma   | ✓                             | 16:20                     |                |                               |                              |             |                | 1                          |       |       |               | X      |  |
| B-25-1.0   | 7/17/08                       | 8:20                      |                |                               |                              |             |                | 2                          | X     | X     | X             |        |  |
| B-25-1.0 Gamma   |                               | 8:20                      |                |                               |                              |             |                | 1                          |       |       |               | X      |  |
| B-25-4.0   |                               | 8:45                      |                |                               |                              |             |                | 2                          | X     | X     | X             |        |  |
| B-25-4.0 Gamma   |                               | 8:45                      |                |                               |                              |             |                | 1                          |       |       |               | X      |  |
| B-22-1.0   |                               | 9:00                      |                |                               |                              |             |                | 2                          | X     | X     | X             |        |  |
| B-22-1.0 Gamma   | ✓                             | 9:00                      | ✓              | ✓                             | ✓                            | ✓           | ✓              | 1                          |       |       |               | X      |  |

|  |  |  |
|--|--|--|
| TAT Requested: Normal:      Rush: <u>X</u> Specify: <u>48 hr.</u> (Subject to Surcharge)   | Fax Results:      Yes      /      No <u>(No)</u> | Circle Deliverable: C of A / QC Summary / Level 1 / <u>Level 2</u> / Level 3 / Level 4               |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards<br><u>All metals were Field Filtered (GW)</u> |  | <b>Sample Collection Time Zone</b><br>Eastern <u>Pacific</u><br>Central      Other _____<br>Mountain |

| Chain of Custody Signatures |                |              |                                  | Sample Shipping and Delivery Details |                              |
|-----------------------------|----------------|--------------|----------------------------------|--------------------------------------|------------------------------|
| Relinquished By (Signed)    | Date           | Time         | Received by (signed)             | Date                                 | Time                         |
| <u>Kyle Gillis</u>          | <u>7/17/08</u> | <u>15:00</u> | <u>Mark Kahn</u>                 | <u>7-18-08</u>                       | <u>09:15</u>                 |
|                             |                |              | GEL PM: <u>Erin Stanley</u>      |                                      |                              |
|                             |                |              | Method of Shipment: <u>Fedex</u> |                                      | Date Shipped: <u>7/17/08</u> |
|                             |                |              | Airbill #:                       |                                      |                              |
|                             |                |              | Airbill #:                       |                                      |                              |

|  |  |
|--|--|
| <p><small>1. Chain of Custody Number = Client Determined</small></p> <p><small>2. QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite</small></p> <p><small>3. Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.</small></p> <p><small>4. Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal</small></p> <p><small>5. Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).</small></p> <p><small>6. Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexanoic, ST = Sodium Thiosulfate. If no preservative is added = leave field blank</small></p> <p style="text-align: center;"> <b>WHITE = LABORATORY      YELLOW = FIELD      PINK = CLIENT</b> </p> | <p><small>For Lab Receiving Use Only</small></p> <p>Custody Seal Intact?<br/>YES      NO</p> <p>Cooler Temp:<br/><u>4</u> °C</p> |
|--|--|

|   |  |   |
|---|--|---|
| Page: <u>3</u> of <u>4</u><br>Project #: <u>161072</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> :<br>PO Number: <u>161072</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number:  |  |   |

| Client Name: <u>TRC</u>  |                               | Phone #: <u>415-644-3000</u>                       |                             | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                                   |             |                |               |        |   |   |  |   |  |  |  |  |  |  |                           |
|--|-------------------------------|--|-----------------------------|---|-----------------------------------|-------------|----------------|---------------|--------|---|---|--|---|--|--|--|--|--|--|---------------------------|
| Project/Site Name: <u>HBPP</u>   |                               | Fax #: <u>415-541-9378</u>                         |                             | Should this sample be considered:   | Total number of containers        | TPH-a       | SVOCs          | CAN-17 Metals | CS-137 |   |   |  |   |  |  |  |  |  |  | <-- Preservative Type (6) |
| Address: <u>55 2nd St., Suite 575, San Francisco, CA 94105</u>                   |                               |  |                             |   |                                   |             |                |               |        |   |   |  |   |  |  |  |  |  |  |                           |
| Collected by: <u>K. Gillis</u>   |                               | Send Results To: <u>mcarvalho@trcsolutions.com</u> |                             |   |                                   |             |                |               |        |   |   |  |   |  |  |  |  | <b>Comments</b><br>Note: extra sample is required for sample specific QC |  |                           |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(Military) (hhmm)               | QC Code<br>( <sup>3</sup> ) | Field Filtered<br>( <sup>4</sup> )  | Sample Matrix<br>( <sup>4</sup> ) | Radioactive | TSCA Regulated |               |        |   |   |  |   |  |  |  |  |  |  |                           |
| B-22-4.0   | 7/17/08                       | 9:20   | G                           | NA  | SO                                | N           |                | 2             | X      | X | X |  |   |  |  |  |  |  |  |                           |
| B-22-4.0 Gamma   |                               | 9:20   |                             |   |                                   |             |                | 1             |        |   |   |  | X |  |  |  |  |  |  |                           |
| B-27-1.0   |                               | 9:35   |                             |   |                                   |             |                | 2             | X      | X | X |  |   |  |  |  |  |  |  |                           |
| B-27-1.0 Gamma   |                               | 9:35   |                             |   |                                   |             |                | 1             |        |   |   |  | X |  |  |  |  |  |  |                           |
| B-27-4.0   |                               | 9:45   |                             |   |                                   |             |                | 2             | X      | X | X |  |   |  |  |  |  |  |  |                           |
| B-27-4.0 Gamma   |                               | 9:45   |                             |   |                                   |             |                | 1             |        |   |   |  | X |  |  |  |  |  |  |                           |
| B-21-1.0   |                               | 10:10  |                             |   |                                   |             |                | 2             | X      | X | X |  |   |  |  |  |  |  |  |                           |
| B-21-1.0 Gamma   |                               | 10:10  |                             |   |                                   |             |                | 1             |        |   |   |  | X |  |  |  |  |  |  |                           |
| B-21-4.0   |                               | 10:30  |                             |   |                                   |             |                | 2             | X      | X | X |  |   |  |  |  |  |  |  |                           |
| B-21-4.0 Gamma   |                               | 10:30  |                             |   |                                   |             |                | 1             |        |   |   |  | X |  |  |  |  |  |  |                           |

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| TAT Requested: Normal: Rush: <u>X</u> Specify: <u>48 hr</u> (Subject to Surcharges)  |  | Fax Results: Yes / <u>No</u> |  | Circle Deliverable: C of A / QC Summary / Level 1 / <u>Level 2</u> / Level 3 / Level 4   |  |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards<br><u>All metals were field filtered (GW)</u> |  |                              |  | Sample Collection Time Zone<br>Eastern <u>Pacific</u><br>Central Other _____<br>Mountain |  |

| Chain of Custody Signatures |                |              |                                  | Sample Shipping and Delivery Details |             |                              |  |
|-----------------------------|----------------|--------------|----------------------------------|--------------------------------------|-------------|------------------------------|--|
| Relinquished By (Signed)    | Date           | Time         | Received by (signed)             | Date                                 | Time        |                              |  |
| <u>Kyle Gillis</u>          | <u>7/17/08</u> | <u>15:00</u> | <u>Mike Stanley</u>              | <u>7-18-08</u>                       | <u>0915</u> |                              |  |
|                             |                |              | GEL PM: <u>E. Stanley</u>        |                                      |             |                              |  |
|                             |                |              | Method of Shipment: <u>Fedex</u> |                                      |             | Date Shipped: <u>7/17/08</u> |  |
|                             |                |              | Airbill #:                       |                                      |             |                              |  |
|                             |                |              | Airbill #:                       |                                      |             |                              |  |

- 1.) Chain of Custody Number = Client Determined
- 2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite
- 3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.
- 4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal
- 5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).
- 6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank

WHITE = LABORATORY

YELLOW = FILE

PINK = CLIENT

For Lab Receiving Use Only

Custody Seal Intact?

YES NO

Cooler Temp:

4 C

[illegible]



|   |  |   |
|---|--|---|
| Page: <u>1</u> of <u>7</u><br>Project #: <u>161072</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> :<br>PO Number: <u>161072</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number:  |  |   |

|   |                               |  |                        |   |                            |                               |                              |          |          |          |          |          |          |          |  |   |
|---|-------------------------------|--|------------------------|---|----------------------------|-------------------------------|------------------------------|----------|----------|----------|----------|----------|----------|----------|--|---|
| Client Name: <u>TRC</u>   |                               | Phone #: <u>415-644-3000</u>                       |                        | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                            |                               |                              |          |          |          |          |          |          |          |  |   |
| Project/Site Name: <u>HBPP</u>  |                               | Fax #: <u>415-541-9378</u>                         |                        | Should this sample be considered:   | Total number of containers |                               |                              |          |          |          |          |          |          |          |  | <-- Preservative Type (6)   |
| Address: <u>55 2nd St, Suite 575, SF, CA 94105</u>                              |                               |  |                        |   |                            |                               |                              |          |          |          |          |          |          |          |  |   |
| Collected by: <u>M. Sellwood</u>  |                               | Send Results To: <u>mcarvalho@trcsolutions.com</u> |                        | Radioactive   | TSCA Regulated             |                               |                              |          |          |          |          |          |          |          |  | Comments<br>Note: extra sample is required for sample specific QC |
| Sample ID<br><small>*For composites - indicate start and stop date/time</small> | *Date Collected<br>(mm-dd-yy) | *Time Collected<br>(Military) (hhmm)               | QC Code <sup>(2)</sup> |   |                            | Field Filtered <sup>(3)</sup> | Sample Matrix <sup>(4)</sup> |          |          |          |          |          |          |          |  |   |
| <u>B-33-0.5</u>   | <u>07/16/08</u>               | <u>1315</u>  | <u>G</u>               | <u>NA</u>   | <u>S</u>                   | <u>N</u>                      | <u>2</u>                     | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> |  |   |
| <u>B-33-4.5</u>   | <u>↓</u>                      | <u>1325</u>  | <u>↓</u>               | <u>↓</u>  | <u>↓</u>                   | <u>↓</u>                      | <u>2</u>                     | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> |  |   |
| <u>B-33-0.5 gamma</u>   | <u>↓</u>                      | <u>1315</u>  | <u>↓</u>               | <u>↓</u>  | <u>↓</u>                   | <u>↓</u>                      | <u>1</u>                     |          |          |          |          |          |          |          |  |   |
| <u>B-33-4.5 gamma</u>   | <u>↓</u>                      | <u>1325</u>  | <u>↓</u>               | <u>↓</u>  | <u>↓</u>                   | <u>↓</u>                      | <u>1</u>                     |          |          |          |          |          |          |          |  |   |
| <u>PS-11C-0.3</u>   | <u>↓</u>                      | <u>1345</u>  | <u>↓</u>               | <u>↓</u>  | <u>↓</u>                   | <u>↓</u>                      | <u>2</u>                     | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> |  |   |
| <u>PS-11C-1.5</u>   | <u>↓</u>                      | <u>1355</u>  | <u>↓</u>               | <u>↓</u>  | <u>↓</u>                   | <u>↓</u>                      | <u>2</u>                     | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> |  |   |
| <u>PS-11C-0.3 gamma</u>   | <u>↓</u>                      | <u>1345</u>  | <u>↓</u>               | <u>↓</u>  | <u>↓</u>                   | <u>↓</u>                      | <u>1</u>                     |          |          |          |          |          |          |          |  |   |
| <u>PS-11C-1.5 gamma</u>   | <u>↓</u>                      | <u>1355</u>  | <u>↓</u>               | <u>↓</u>  | <u>↓</u>                   | <u>↓</u>                      | <u>1</u>                     |          |          |          |          |          |          |          |  |   |
| <u>B-19-0.5</u>   | <u>↓</u>                      | <u>1450</u>  | <u>↓</u>               | <u>↓</u>  | <u>↓</u>                   | <u>↓</u>                      | <u>2</u>                     | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> |  |   |
| <u>B-19-4.5</u>   | <u>↓</u>                      | <u>1515</u>  | <u>↓</u>               | <u>↓</u>  | <u>↓</u>                   | <u>↓</u>                      | <u>2</u>                     | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> | <u>X</u> |  |   |

TAT Requested: Normal: ☐ Rush: ☒ Specify: 48 hr. (Subject to Surcharge) 
 Fax Results: Yes ☐ / No ☒ 
 Circle Deliverable: CoFA / QC Summary / Level 1 / Level 2 / Level 3 / Level 4.

Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards  
All metals were field filtered (GW)

|   |                                  |
|---|----------------------------------|
| Sample Collection Time Zone                 |                                  |
| Eastern <input checked="" type="checkbox"/> | Pacific <input type="checkbox"/> |
| Central <input type="checkbox"/>            | Other <input type="checkbox"/>   |
| Mountain <input type="checkbox"/>           |                                  |

| Chain of Custody Signatures |                 |             | Sample Shipping and Delivery Details |                |
|-----------------------------|-----------------|-------------|--------------------------------------|----------------|
| Relinquished By (Signed)    | Date            | Time        | Received by (signed)                 | Date           |
| <u>Mh Uld</u>               | <u>07/17/08</u> | <u>1530</u> | <u>Mh Kahr</u>                       | <u>7-18-08</u> |
|                             |                 |             |                                      |                |
|                             |                 |             |                                      |                |
|                             |                 |             |                                      |                |
|                             |                 |             | GEL PM: <u>Eric Stanley</u>          |                |
|                             |                 |             | Method of Shipment: <u>Fedex</u>     |                |
|                             |                 |             | Date Shipped: <u>7/17/08</u>         |                |
|                             |                 |             | Airbill #:                           |                |
|                             |                 |             | Airbill #:                           |                |

1.) Chain of Custody Number = Client Determined  
 2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite  
 3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.  
 4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal  
 5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).  
 6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank  
 WHITE = LABORATORY      YELLOW = FILE      PINK = CLIENT

|   |                             |
|---|-----------------------------|
| For Lab Receiving Use Only              |                             |
| Custody Seal Intact?                    |                             |
| YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> |
| Cooler Temp:                            |                             |
| <u>4</u>                                | <u>C</u>                    |

|   |  |   |
|---|--|---|
| Page: <u>2</u> of <u>4</u><br>Project #: <u>161072</u><br>GEL Quote #:<br>GEL Number (1):<br>PO Number: <u>161072</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number:  |  |   |

|  |  |  |                               |   |                                     |  |                |   |          |          |          |          |  |  |  |  |  |       |       |              |        |  |
|--|--|--|-------------------------------|---|-------------------------------------|--|----------------|---|----------|----------|----------|----------|--|--|--|--|--|-------|-------|--------------|--------|--|
| Client Name: <u>TRC</u>  |  | Phone #: <u>415-644-3000</u>             |                               | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                                     |  |                |   |          |          |          |          |  |  |  |  |  |       |       |              |        |  |
| Project/Site Name: <u>HBPP</u>   |  | Fax #: <u>415-541-9378</u>               |                               | Should this sample be considered:   | Total number of containers          | -- Preservative Type (6)                           |                |   |          |          |          |          |  |  |  |  |  |       |       |              |        |  |
| Address: <u>55 2nd St., Suite 575, SF, CA 94105</u>                              |  | Collected by: <u>M. Sellwood</u>         |                               |   |                                     | Send Results To: <u>mcarvalho@tresolutions.com</u> |                | Comments<br>Note: extra sample is required for sample specific QC |          |          |          |          |  |  |  |  |  |       |       |              |        |  |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small> | *Date Collected<br><small>(mm-dd-yy)</small> | *Time Collected<br><small>(hhmm)</small> | QC Code<br><small>(1)</small> | Field Filtered<br><small>(1)</small>  | Sample Matrix<br><small>(1)</small> | Radioactive  | TSCA Regulated |   |          |          |          |          |  |  |  |  |  | TPH-d | SVOCs | CAM-H metals | CS-137 |  |
| <u>B-19-D.5 gamma</u>  | <u>07/16/08</u>                              | <u>1450</u>                              | <u>G</u>                      | <u>NA</u>   | <u>S</u>                            | <u>N</u>   |                | <u>1</u>  |          |          |          |          |  |  |  |  |  |       |       |              |        |  |
| <u>B-19-4.5 gamma</u>  | <u>↓</u>                                     | <u>1515</u>                              | <u>↓</u>                      | <u>↓</u>  | <u>↓</u>                            |  |                | <u>1</u>  |          |          |          |          |  |  |  |  |  |       |       |              |        |  |
| <u>PS-23BC-D.5</u>   | <u>↓</u>                                     | <u>1540</u>                              | <u>↓</u>                      | <u>↓</u>  | <u>↓</u>                            |  |                | <u>2</u>  | <u>X</u> | <u>X</u> | <u>X</u> |          |  |  |  |  |  |       |       |              |        |  |
| <u>PS-23BC-D.5 gamma</u>   | <u>↓</u>                                     | <u>1540</u>                              | <u>↓</u>                      | <u>↓</u>  | <u>↓</u>                            |  |                | <u>1</u>  |          |          |          | <u>X</u> |  |  |  |  |  |       |       |              |        |  |
| <u>B-29-0.5</u>  | <u>07/17/08</u>                              | <u>0825</u>                              |                               | <u>↓</u>  | <u>↓</u>                            |  |                | <u>2</u>  | <u>X</u> | <u>X</u> | <u>X</u> |          |  |  |  |  |  |       |       |              |        |  |
| <u>B-29-4.5</u>  | <u>↓</u>                                     | <u>0835</u>                              |                               | <u>↓</u>  | <u>↓</u>                            |  |                | <u>2</u>  | <u>X</u> | <u>X</u> | <u>X</u> |          |  |  |  |  |  |       |       |              |        |  |
| <u>B-29-D.5 gamma</u>  | <u>↓</u>                                     | <u>0825</u>                              |                               | <u>↓</u>  | <u>↓</u>                            |  |                | <u>1</u>  |          |          |          | <u>X</u> |  |  |  |  |  |       |       |              |        |  |
| <u>B-29-4.5 gamma</u>  | <u>↓</u>                                     | <u>0835</u>                              |                               | <u>↓</u>  | <u>↓</u>                            |  |                | <u>1</u>  |          |          |          | <u>X</u> |  |  |  |  |  |       |       |              |        |  |
| <u>B-29-gw</u>   | <u>↓</u>                                     | <u>0855</u>                              | <u>↓</u>                      | <u>Y</u>  | <u>W</u>                            |  |                | <u>3</u>  | <u>X</u> | <u>X</u> | <u>X</u> |          |  |  |  |  |  |       |       |              |        |  |
| <u>PS-20C-0.3</u>  | <u>↓</u>                                     | <u>0900</u>                              | <u>↓</u>                      | <u>NA</u>   | <u>S</u>                            |  |                | <u>2</u>  | <u>X</u> | <u>X</u> | <u>X</u> |          |  |  |  |  |  |       |       |              |        |  |

|  |  |                                    |  |   |  |
|--|--|------------------------------------|--|---|--|
| TAT Requested: Normal:    Rush: <u>X</u> Specify: <u>48 hr.</u> (Subject to Surcharge)   |  | Fax Results:    Yes    / <u>NO</u> |  | Circle Deliverable: C of A / QC Summary / Level 1 / <u>Level 2</u> / Level 3 / Level 4.     |  |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards<br><u>All metals were field filtered (GW)</u> |  |                                    |  | Sample Collection Time Zone<br>Eastern <u>Pacific</u><br>Central    Other _____<br>Mountain |  |

|  |                         |                     |   |                        |                              |
|--|-------------------------|---------------------|---|------------------------|------------------------------|
| Chain of Custody Signatures                    |                         |                     | Sample Shipping and Delivery Details      |                        |                              |
| Relinquished By (Signed)<br><u>M. Sellwood</u> | Date<br><u>07/17/08</u> | Time<br><u>1530</u> | Received by (signed)<br><u>M. Stanley</u> | Date<br><u>7-18-08</u> | Time<br><u>0915</u>          |
|  |                         |                     | GEL PM: <u>Elin Stanley</u>               |                        |                              |
|  |                         |                     | Method of Shipment: <u>Fedex</u>          |                        | Date Shipped: <u>7/17/08</u> |
|  |                         |                     | Airbill #:                                |                        |                              |
|  |                         |                     | Airbill #:                                |                        |                              |

|  |  |   |
|--|--|---|
| 1. Chain of Custody Number = Client Determined<br>2. QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite<br>3. Field Filtered: For liquid nutrients, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.<br>4. Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal<br>5. Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).<br>6. Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank |  | For Lab Receiving Use Only<br>Custody Seal Intact?<br>YES    NO<br>Cooler Temp:<br><u>7</u> |
| WHITE = LABORATORY    YELLOW = FILE    PINK = CLIENT   |  |   |

|   |  |   |
|---|--|---|
| Page: <u>3</u> of <u>4</u><br>Project #: <u>161072</u><br>GEL Quote #:<br>COC Number <sup>(1)</sup> :<br>PO Number: <u>161072</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| GEL Work Order Number:  |  |   |

|  |                            |  |                        |   |                            |       |       |               |        |  |  |  |  |  |  |                       |  |  |  |
|--|----------------------------|--|------------------------|---|----------------------------|-------|-------|---------------|--------|--|--|--|--|--|--|-----------------------|--|--|--|
| Client Name: <u>TRC</u>                              |                            | Phone #: <u>415-644-3000</u>                       |                        | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                            |       |       |               |        |  |  |  |  |  |  |                       |  |  |  |
| Project/Site Name: <u>HBPP</u>                       |                            | Fax #: <u>415-541-9328</u>                         |                        | Should this sample be considered:   | Total number of containers |       |       |               |        |  |  |  |  |  |  | Preservative Type (6) |  |  |  |
| Address: <u>65 2nd St, Suite 575, SF, CA 94105</u>   |                            |  |                        |   |                            |       |       |               |        |  |  |  |  |  |  |                       |  |  |  |
| Collected by: <u>M. Sellwood</u>                     |                            | Send Results To: <u>mcarvalho@trcsolutions.com</u> |                        | Radioactive   | TSCA Regulated             | TPH-8 | SVOCs | CAM-17 metals | CS-157 | <div style="border: 1px solid black; padding: 5px;"> <b>Comments</b><br/>           Note: extra sample is required for sample specific QC         </div> |  |  |  |  |  |                       |  |  |  |
| Sample ID  | *Date Collected (mm-dd-yy) | *Time Collected (Military) (hhmm)                  | QC Code <sup>(2)</sup> |   |                            |       |       |               |        |  |  |  |  |  |  |                       |  |  |  |
| * For composites - indicate start and stop date/time |                            |  |                        |   |                            |       |       |               |        |  |  |  |  |  |  |                       |  |  |  |
| PS-20C-4.5   | 07/17/08                   | 0910   | G                      | NA  | S                          | N     | 2     | X             | X      | X  |  |  |  |  |  |                       |  |  |  |
| PS-20C-0.3 gamma                                     | ↓                          | 0900   | ↓                      | ↓   | ↓                          |       | 1     |               |        |  |  |  |  |  |  |                       |  |  |  |
| PS-20C-4.5 gamma                                     | ↓                          | 0910   | ↓                      | ↓   | ↓                          |       | 1     |               |        |  |  |  |  |  |  |                       |  |  |  |
| B-28-0.5   | ↓                          | 0940   | ↓                      | ↓   | ↓                          |       | 2     | X             | X      | X  |  |  |  |  |  |                       |  |  |  |
| B-28-4.5   | ↓                          | 1000   | ↓                      | ↓   | ↓                          |       | 2     | X             | X      | X  |  |  |  |  |  |                       |  |  |  |
| B-28-0.5 gamma                                       | ↓                          | 0940   | ↓                      | ↓   | ↓                          |       | 1     |               |        |  |  |  |  |  |  |                       |  |  |  |
| B-28-4.5 gamma                                       | ↓                          | 1000   | ↓                      | ↓   | ↓                          |       | 1     |               |        |  |  |  |  |  |  |                       |  |  |  |
| B-24-0.5   | ↓                          | 1015   |                        |   |                            |       | 2     | X             | X      | X  |  |  |  |  |  |                       |  |  |  |
| B-24-4.5   | ↓                          | 1040   |                        |   |                            |       | 2     | X             | X      | X  |  |  |  |  |  |                       |  |  |  |
| B-24-0.5 gamma                                       | ↓                          | 1015   |                        |   |                            |       | 1     |               |        |  |  |  |  |  |  |                       |  |  |  |

TAT Requested: Normal: Rush: ☒ Specify: 48 hr. (Subject to Surcharge) Fax Results: Yes / ☒   
 Circle Deliverable: C of A / QC Summary / Level 1 / Level 2 / Level 3 / Level 4

Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards  
All metals were field filtered (6w)

| Chain of Custody Signatures |                 |             |                      |                |             | Sample Shipping and Delivery Details |                              |
|-----------------------------|-----------------|-------------|----------------------|----------------|-------------|--------------------------------------|------------------------------|
| Relinquished By (Signed)    | Date            | Time        | Received by (signed) | Date           | Time        |                                      |                              |
| <u>M. Sellwood</u>          | <u>07/17/08</u> | <u>1530</u> | <u>Mike Kambor</u>   | <u>7-18-08</u> | <u>0915</u> | GEL PM: <u>Erin Stanley</u>          |                              |
|                             |                 |             |                      |                |             | Method of Shipment: <u>Fedex</u>     | Date Shipped: <u>7/17/08</u> |
|                             |                 |             |                      |                |             | Airbill #:                           |                              |
|                             |                 |             |                      |                |             | Airbill #:                           |                              |

1.) Chain of Custody Number = Client Determined  
 2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite  
 3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.  
 4.) Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal  
 5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).  
 6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate. If no preservative is added = leave field blank  
 WHITE = LABORATORY      YELLOW = FILE      PINK = CLIENT

|                            |  |
|----------------------------|--|
| For Lab Receiving Use Only |  |
| Custody Seal Intact?       |  |
| YES      NO                |  |
| Cooler Temp:               |  |
| <u>4</u> °C                |  |

|   |  |   |
|---|--|---|
| Page: <u>4</u> of <u>4</u><br>Project #: <u>161072</u><br>GEL Quote #: _____<br>COC Number (1): _____<br>PO Number: <u>161072</u> | <h2 style="margin:0;">GEL Chain of Custody and Analytical Request</h2> | GEL Laboratories, LLC<br>2040 Savage Road<br>Charleston, SC 29407<br>Phone: (843) 556-8171<br>Fax: (843) 766-1178 |
| Client Name: <u>TBC</u> Phone #: <u>415-644-3000</u><br>Project Site Name: <u>HBPB</u> Fax #: <u>415-541-9378</u>                 |  | GEL Work Order Number: _____  |

| Client Name: <u>TBC</u> Phone #: <u>415-644-3000</u><br>Project Site Name: <u>HBPB</u> Fax #: <u>415-541-9378</u> |   | Sample Analysis Requested <sup>(5)</sup> (Fill in the number of containers for each test) |                               |   |                                     |             |                |       |       |                |        |   |  |  |  |  |  |  |  |  |  |  |
|---|---|---|-------------------------------|---|-------------------------------------|-------------|----------------|-------|-------|----------------|--------|---|--|--|--|--|--|--|--|--|--|--|
| Address: <u>55 2nd St, Suite 575, SF, CA 94105</u>  |   | Should this sample be considered:   | Total number of containers    | <-- Preservative Type (6)   |                                     |             |                |       |       |                |        |   |  |  |  |  |  |  |  |  |  |  |
| Collected by: <u>M. Sillwood</u> Send Results To: <u>mcarrvalho@tresolutions.com</u>                              |   |   |                               | Comments<br>Note: extra sample is required for sample specific QC |                                     |             |                |       |       |                |        |   |  |  |  |  |  |  |  |  |  |  |
| Sample ID<br><small>* For composites - indicate start and stop date/time</small>                                  | * Date Collected<br><small>(mm-dd-yy)</small> | * Time Collected<br><small>(Military) (hhmm)</small>                                      | QC Code<br><small>(2)</small> | Field Filtered<br><small>(3)</small>                              | Sample Matrix<br><small>(4)</small> | Radioactive | TSCA Regulated | TPH-d | SVOCs | Cadm-17 Metals | Cs-137 |   |  |  |  |  |  |  |  |  |  |  |
| B-24-4.5 gamma  | 07/17/08                                      | 1040  | G                             | NA  | S                                   | N           |                | 1     |       |                |        |   |  |  |  |  |  |  |  |  |  |  |
| PS-2IC-0.3  |   | 1115  |                               |   |                                     |             |                | 2     | X     | X              | X      | X |  |  |  |  |  |  |  |  |  |  |
| PS-2IC-4.5  |   | 1230  |                               |   |                                     |             |                | 2     | X     | X              | X      | X |  |  |  |  |  |  |  |  |  |  |
| PS-2IC-0.3 gamma  |   | 1115  |                               |   |                                     |             |                | 1     |       |                |        | X |  |  |  |  |  |  |  |  |  |  |
| PS-2IC-4.5 gamma  |   | 1230  |                               |   |                                     |             |                | 1     |       |                |        | X |  |  |  |  |  |  |  |  |  |  |

|  |                              |  |
|--|------------------------------|--|
| TAT Requested: Normal: Rush: <u>X</u> Specify: <u>45hr.</u> (Subject to Surcharge)   | Fax Results: Yes / <u>No</u> | Circle Deliverable: C of A / QC Summary / Level 1 / <u>Level 2</u> / Level 3 / Level 4.  |
| Remarks: Are there any known hazards applicable to these samples? If so, please list the hazards<br><u>All metals were field filtered (6w)</u> |                              | Sample Collection Time Zone<br>Eastern <u>Pacific</u><br>Central Other _____<br>Mountain |

| Chain of Custody Signatures                    |                         |                     | Sample Shipping and Delivery Details        |                        |
|--|-------------------------|---------------------|---|------------------------|
| Relinquished By (Signed)<br><u>M. Sillwood</u> | Date<br><u>07/17/08</u> | Time<br><u>1530</u> | Received by (signed)<br><u>Erin Stanley</u> | Date<br><u>7-18-08</u> |
| Method of Shipment: <u>Fedex</u>               |                         |                     | Date Shipped: <u>7/17/08</u>                |                        |
| Airbill #: _____                               |                         |                     | Airbill #: _____                            |                        |

|   |   |
|---|---|
| 1. Chain of Custody Number = Client Determined<br>2. QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite<br>3. Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.<br>4. Matrix Codes: DW=Drinking Water, GW=Groundwater, SW=Surface Water, WW=Waste Water, W=Water, SO=Soil, SD=Sediment, SL=Sludge, SS=Solid Waste, O=Oil, F=Filter, P=Wipe, U=Urine, F=Fecal, N=Nasal<br>5. Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. 8260B - 3, 6010B/7470A - 1).<br>6. Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexamethylenetetramine, TS = Sodium Thiosulfate. If no preservative is added = leave field blank | For Lab Receiving Use Only<br>Custody Seal Intact?<br>YES NO<br>Cooler Temp: <u>4</u> |
| WHITE = LABORATORY      YELLOW = FILE      PINK = CLIENT  |   |



Laboratories LLC

## SAMPLE RECEIPT &amp; REVIEW FORM

|                                     |                                     |   |   |
|-------------------------------------|-------------------------------------|---|---|
| Client: <u>FRC</u>                  |                                     | SDG/ARCOC/Work Order: <u>212231, 212238, 212233</u> |   |
| Received By: <u>MK</u>              |                                     | Date Received: <u>7-18-08</u>                       |   |
| Suspected Hazard Information        | Yes                                 | No  | *If Counts > x2 area background on samples not marked "radioactive", contact the Radiation Safety Group of further investigation. |
| COC/Samples marked as radioactive?  | <input checked="" type="checkbox"/> | <input type="checkbox"/>                            | Maximum Counts Observed*: <u>9m 40</u>  |
| Classified Radioactive II by RSO?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/>                 |   |
| COC/Samples marked containing PCBs? | <input type="checkbox"/>            | <input checked="" type="checkbox"/>                 |   |
| Shipped as a DOT Hazardous?         | <input type="checkbox"/>            | <input checked="" type="checkbox"/>                 | Hazard Class Shipped: UN#:  |
| Samples identified as Foreign Soil? | <input type="checkbox"/>            | <input checked="" type="checkbox"/>                 |   |

| Sample Receipt Criteria   | Yes                                 | NA                                  | No                                  | Comments/Qualifiers (Required for Non-Conforming Items)  |
|---|-------------------------------------|-------------------------------------|-------------------------------------|--|
| 1 Shipping containers received intact and sealed?                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Circle Applicable:<br>seals broken    damaged container    leaking container    other (describe)     |
| 2 Samples requiring cold preservation within (4 +/- 2 C)?         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Preservation Method:<br><u>ice bags</u> blue ice    dry ice    none    other (describe)<br><u>4C</u> |
| 3 Chain of custody documents included with shipment?              | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |  |
| 4 Sample containers intact and sealed?                            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Circle Applicable:<br>seals broken    damaged container    leaking container    other (describe)     |
| 5 Samples requiring chemical preservation at proper pH?           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Sample ID's, containers affected and observed pH:<br>If Preservation added, Lot#:                    |
| 6 VOA vials free of headspace (defined as < 6mm bubble)?          | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Sample ID's and containers affected:   |
| 7 Are Encore containers present?                                  | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | (If yes, immediately deliver to Volatiles laboratory)  |
| 8 Samples received within holding time?                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | ID's and tests affected:   |
| 9 Sample ID's on COC match ID's on bottles?                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Sample ID's and containers affected:   |
| 10 Date & time on COC match date & time on bottles?               | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Sample ID's affected:  |
| 11 Number of containers received match number indicated on COC?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | Sample ID's affected:  |
| 12 COC form is properly signed in relinquished/received sections? | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            |  |

Comments:

FX 7955 1706 4770  
 4683  
 4709  
 4731  
 4720  
 4742  
 4694

PM (or PMA) review: Initials

9ms

Date

7/18/08

## GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

### Certificate of Analysis Report for

TRCS002 TRC Solutions

Client SDG: 213274 GEL Work Order: 213274

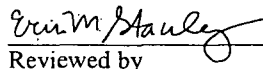
**The Qualifiers in this report are defined as follows:**

- \* A quality control analyte recovery is outside of specified acceptance criteria
- \*\* Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy—Uncertain identification

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the detection limit.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Erin Stanley.

  
Reviewed by

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: August 11, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-24-4.5 Gamma  
Sample ID: 213274001  
Matrix: Soil  
Collect Date: 17-JUL-08 10:40  
Receive Date: 18-JUL-08  
Collector: Client

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result   | Uncertainty | DL     | RL    | Units | DF | Analyst | Date     | Time | Batch  | Metho |
|--|-----------|----------|-------------|--------|-------|-------|----|---------|----------|------|--------|-------|
| <b>Rad Gamma Spec Analysis</b>                         |           |          |             |        |       |       |    |         |          |      |        |       |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |          |             |        |       |       |    |         |          |      |        |       |
| Actinium-228   | UI        | 0.00     | +/-0.357    | 0.324  |       | pCi/g |    | MJH1    | 08/07/08 | 1405 | 781879 | 1     |
| Americium-241  | U         | -0.0245  | +/-0.059    | 0.0818 |       | pCi/g |    |         |          |      |        |       |
| Antimony-124   | U         | 0.026    | +/-0.142    | 0.240  |       | pCi/g |    |         |          |      |        |       |
| Antimony-125   | U         | 0.0368   | +/-0.139    | 0.222  |       | pCi/g |    |         |          |      |        |       |
| Barium-133   | U         | 0.0427   | +/-0.0705   | 0.0998 |       | pCi/g |    |         |          |      |        |       |
| Barium-140   | U         | 0.289    | +/-0.456    | 0.769  |       | pCi/g |    |         |          |      |        |       |
| Beryllium-7  | U         | -0.195   | +/-0.499    | 0.796  |       | pCi/g |    |         |          |      |        |       |
| Bismuth-212  | U         | 0.311    | +/-0.467    | 0.767  |       | pCi/g |    |         |          |      |        |       |
| Bismuth-214  | UI        | 0.00     | +/-0.232    | 0.249  |       | pCi/g |    |         |          |      |        |       |
| Cerium-139   | U         | -0.0109  | +/-0.0349   | 0.0522 |       | pCi/g |    |         |          |      |        |       |
| Cerium-141   | U         | 0.0285   | +/-0.0859   | 0.123  |       | pCi/g |    |         |          |      |        |       |
| Cerium-144   | U         | -0.232   | +/-0.214    | 0.303  |       | pCi/g |    |         |          |      |        |       |
| Cesium-134   | U         | -0.0103  | +/-0.0597   | 0.093  |       | pCi/g |    |         |          |      |        |       |
| Cesium-136   | U         | -0.074   | +/-0.231    | 0.364  |       | pCi/g |    |         |          |      |        |       |
| Cesium-137   |           | 1.23     | +/-0.206    | 0.0872 | 0.100 | pCi/g |    |         |          |      |        |       |
| Chromium-51  | U         | 0.456    | +/-0.580    | 0.963  |       | pCi/g |    |         |          |      |        |       |
| Cobalt-56  | U         | 0.0501   | +/-0.063    | 0.111  |       | pCi/g |    |         |          |      |        |       |
| Cobalt-57  | U         | -0.03    | +/-0.0258   | 0.0368 |       | pCi/g |    |         |          |      |        |       |
| Cobalt-58  | U         | -0.0239  | +/-0.0669   | 0.102  |       | pCi/g |    |         |          |      |        |       |
| Cobalt-60  | U         | -0.0273  | +/-0.0607   | 0.0953 |       | pCi/g |    |         |          |      |        |       |
| Europium-152   | U         | -0.0119  | +/-0.145    | 0.200  |       | pCi/g |    |         |          |      |        |       |
| Europium-154   | U         | -0.021   | +/-0.184    | 0.291  |       | pCi/g |    |         |          |      |        |       |
| Europium-155   | U         | -0.0637  | +/-0.0968   | 0.145  |       | pCi/g |    |         |          |      |        |       |
| Iridium-192  | U         | -0.0351  | +/-0.049    | 0.0741 |       | pCi/g |    |         |          |      |        |       |
| Iron-59  | U         | 0.0447   | +/-0.156    | 0.261  |       | pCi/g |    |         |          |      |        |       |
| Lead-210   | U         | 0.521    | +/-0.950    | 0.725  |       | pCi/g |    |         |          |      |        |       |
| Lead-212   |           | 0.456    | +/-0.128    | 0.118  |       | pCi/g |    |         |          |      |        |       |
| Lead-214   |           | 0.442    | +/-0.144    | 0.154  |       | pCi/g |    |         |          |      |        |       |
| Manganese-54   | U         | -0.0285  | +/-0.0578   | 0.0915 |       | pCi/g |    |         |          |      |        |       |
| Mercury-203  | U         | -0.0488  | +/-0.0556   | 0.0839 |       | pCi/g |    |         |          |      |        |       |
| Neodymium-147  | U         | 0.0155   | +/-1.09     | 1.79   |       | pCi/g |    |         |          |      |        |       |
| Neptunium-239  | U         | -0.162   | +/-0.190    | 0.279  |       | pCi/g |    |         |          |      |        |       |
| Niobium-94   | U         | -0.00447 | +/-0.0574   | 0.0913 |       | pCi/g |    |         |          |      |        |       |
| Niobium-95   | U         | -0.0684  | +/-0.0899   | 0.133  |       | pCi/g |    |         |          |      |        |       |
| Potassium-40   |           | 9.02     | +/-1.50     | 0.884  |       | pCi/g |    |         |          |      |        |       |
| Promethium-144   | U         | 0.0318   | +/-0.0604   | 0.101  |       | pCi/g |    |         |          |      |        |       |
| Promethium-146   | U         | -0.0195  | +/-0.0645   | 0.0979 |       | pCi/g |    |         |          |      |        |       |

# GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Company : TRC Solutions, Inc.  
Address : 55 2nd Street, Suite 575  
San Francisco, California 94105

Report Date: August 11, 2008

Contact: Mr. Moises Carvalho  
Project: Humboldt Bay NPP Project 161072, Task  
2400

Client Sample ID: B-24-4.5 Gamma  
Sample ID: 213274001

Project: TRCS00200  
Client ID: TRCS002

| Parameter  | Qualifier | Result   | Uncertainty | DL     | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|--|-----------|----------|-------------|--------|----|-------|----|---------|------|------|-------|--------|
| <b>Rad Gamma Spec Analysis</b>                         |           |          |             |        |    |       |    |         |      |      |       |        |
| <i>Gammascpec, Gamma, Solid "Dry Weight Corrected"</i> |           |          |             |        |    |       |    |         |      |      |       |        |
| Radium-226   |           | 0.345    | +/-0.232    | 0.154  |    | pCi/g |    |         |      |      |       |        |
| Radium-228   | UI        | 0.00     | +/-0.357    | 0.324  |    | pCi/g |    |         |      |      |       |        |
| Ruthenium-106  | U         | -0.191   | +/-0.479    | 0.747  |    | pCi/g |    |         |      |      |       |        |
| Silver-110m  | U         | 0.0353   | +/-0.0627   | 0.093  |    | pCi/g |    |         |      |      |       |        |
| Sodium-22  | U         | -0.00755 | +/-0.066    | 0.105  |    | pCi/g |    |         |      |      |       |        |
| Thallium-208   |           | 0.122    | +/-0.0854   | 0.0879 |    | pCi/g |    |         |      |      |       |        |
| Thorium-230  |           | 0.345    | +/-0.232    | 0.154  |    | pCi/g |    |         |      |      |       |        |
| Thorium-234  | U         | 0.602    | +/-1.17     | 0.824  |    | pCi/g |    |         |      |      |       |        |
| Tin-113  | U         | -0.0209  | +/-0.0647   | 0.099  |    | pCi/g |    |         |      |      |       |        |
| Uranium-235  | U         | 0.261    | +/-0.246    | 0.319  |    | pCi/g |    |         |      |      |       |        |
| Uranium-238  | U         | 0.602    | +/-1.17     | 0.824  |    | pCi/g |    |         |      |      |       |        |
| Yttrium-88   | U         | -0.0426  | +/-0.0588   | 0.0793 |    | pCi/g |    |         |      |      |       |        |
| Zinc-65  | U         | -0.0374  | +/-0.137    | 0.215  |    | pCi/g |    |         |      |      |       |        |
| Zirconium-95   | U         | -0.0359  | +/-0.123    | 0.191  |    | pCi/g |    |         |      |      |       |        |

### The following Prep Methods were performed

| Method        | Description                | Analyst | Date     | Time | Prep Batch |
|---------------|----------------------------|---------|----------|------|------------|
| Dry Soil Prep | Dry Soil Prep GL-RAD-A-021 | BSW1    | 07/22/08 | 1137 | 781754     |

### The following Analytical Methods were performed

| Method | Description           | Analyst Comments |
|--------|-----------------------|------------------|
| 1      | EML HASL 300, 4.5.2.3 |                  |



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## QC Summary

Report Date: August 11, 2008  
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TRC Solutions, Inc.  
55 2nd Street, Suite 575  
San Francisco, California

Contact: Mr. Moises Carvalho

Workorder: 213274

| Parmname                   | NOM    | Sample    | Qual | QC        | Units | RPD% | REC% | Range      | Anlst | Date | Time           |
|----------------------------|--------|-----------|------|-----------|-------|------|------|------------|-------|------|----------------|
| Rad Gamma Spec             |        |           |      |           |       |      |      |            |       |      |                |
| Batch                      | 781879 |           |      |           |       |      |      |            |       |      |                |
| QC1201639219 213274001 DUP |        |           |      |           |       |      |      |            |       |      |                |
| Actinium-228               | UI     | 0.00      | UI   | 0.00      | pCi/g | 18   |      |            | N/A   | MJH1 | 08/08/08 08:21 |
|                            |        | +/-0.357  |      | +/-0.279  |       |      |      |            |       |      |                |
| Americium-241              | U      | -0.0245   | U    | -0.0242   | pCi/g | 1    |      |            | N/A   |      |                |
|                            |        | +/-0.059  |      | +/-0.147  |       |      |      |            |       |      |                |
| Antimony-124               | U      | 0.026     | U    | 0.0494    | pCi/g | 62   |      |            | N/A   |      |                |
|                            |        | +/-0.142  |      | +/-0.0687 |       |      |      |            |       |      |                |
| Antimony-125               | U      | 0.0368    | U    | 0.0619    | pCi/g | 51   |      |            | N/A   |      |                |
|                            |        | +/-0.139  |      | +/-0.0993 |       |      |      |            |       |      |                |
| Barium-133                 | U      | 0.0427    | U    | 0.0236    | pCi/g | 58   |      |            | N/A   |      |                |
|                            |        | +/-0.0705 |      | +/-0.0505 |       |      |      |            |       |      |                |
| Barium-140                 | U      | 0.289     | U    | 0.183     | pCi/g | 45   |      |            | N/A   |      |                |
|                            |        | +/-0.456  |      | +/-0.391  |       |      |      |            |       |      |                |
| Beryllium-7                | U      | -0.195    | U    | -0.398    | pCi/g | 68   |      |            | N/A   |      |                |
|                            |        | +/-0.499  |      | +/-0.398  |       |      |      |            |       |      |                |
| Bismuth-212                | U      | 0.311     | U    | 0.199     | pCi/g | 44   |      |            | N/A   |      |                |
|                            |        | +/-0.467  |      | +/-0.341  |       |      |      |            |       |      |                |
| Bismuth-214                | UI     | 0.00      | UI   | 0.00      | pCi/g | 21   |      |            | N/A   |      |                |
|                            |        | +/-0.232  |      | +/-0.124  |       |      |      |            |       |      |                |
| Cerium-139                 | U      | -0.0109   | U    | -0.00143  | pCi/g | 154  |      |            | N/A   |      |                |
|                            |        | +/-0.0349 |      | +/-0.0252 |       |      |      |            |       |      |                |
| Cerium-141                 | U      | 0.0285    | U    | 0.0332    | pCi/g | 15   |      |            | N/A   |      |                |
|                            |        | +/-0.0859 |      | +/-0.0563 |       |      |      |            |       |      |                |
| Cerium-144                 | U      | -0.232    | U    | -0.073    | pCi/g | 104  |      |            | N/A   |      |                |
|                            |        | +/-0.214  |      | +/-0.181  |       |      |      |            |       |      |                |
| Cesium-134                 | U      | -0.0103   | U    | 0.00798   | pCi/g | 1570 |      |            | N/A   |      |                |
|                            |        | +/-0.0597 |      | +/-0.0429 |       |      |      |            |       |      |                |
| Cesium-136                 | U      | -0.074    | U    | 0.0295    | pCi/g | 465  |      |            | N/A   |      |                |
|                            |        | +/-0.231  |      | +/-0.163  |       |      |      |            |       |      |                |
| Cesium-137                 |        | 1.23      |      | 1.20      | pCi/g | 2    |      | (0% - 20%) |       |      |                |
|                            |        | +/-0.206  |      | +/-0.147  |       |      |      |            |       |      |                |
| Chromium-51                | U      | 0.456     | U    | -0.43     | pCi/g | 6810 |      |            | N/A   |      |                |
|                            |        | +/-0.580  |      | +/-0.446  |       |      |      |            |       |      |                |
| Cobalt-56                  | U      | 0.0501    | U    | -0.00669  | pCi/g | 262  |      |            | N/A   |      |                |
|                            |        | +/-0.063  |      | +/-0.0435 |       |      |      |            |       |      |                |
| Cobalt-57                  | U      | -0.03     | U    | -0.0122   | pCi/g | 84   |      |            | N/A   |      |                |
|                            |        | +/-0.0258 |      | +/-0.0198 |       |      |      |            |       |      |                |
| Cobalt-58                  | U      | -0.0239   | U    | 0.0368    | pCi/g | 944  |      |            | N/A   |      |                |
|                            |        | +/-0.0669 |      | +/-0.0514 |       |      |      |            |       |      |                |
| Cobalt-60                  | U      | -0.0273   | U    | -0.00413  | pCi/g | 148  |      |            | N/A   |      |                |
|                            |        | +/-0.0607 |      | +/-0.0411 |       |      |      |            |       |      |                |

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## QC Summary

Workorder: 213274

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| Parmname       | NOM    | Sample    | Qual | QC        | Units | RPD% | REC% | Range       | Anlst | Date     | Time  |
|----------------|--------|-----------|------|-----------|-------|------|------|-------------|-------|----------|-------|
| Rad Gamma Spec |        |           |      |           |       |      |      |             |       |          |       |
| Batch          | 781879 |           |      |           |       |      |      |             |       |          |       |
| Europium-152   | U      | -0.0119   | U    | 0.00413   | pCi/g | 412  |      | N/A         |       |          |       |
|                |        | +/-0.145  |      | +/-0.0981 |       |      |      |             |       |          |       |
| Europium-154   | U      | -0.021    | U    | -0.0795   | pCi/g | 116  |      | N/A         | MJH1  | 08/08/08 | 08:21 |
|                |        | +/-0.184  |      | +/-0.120  |       |      |      |             |       |          |       |
| Europium-155   | U      | -0.0637   | U    | 0.0755    | pCi/g | 2370 |      | N/A         |       |          |       |
|                |        | +/-0.0968 |      | +/-0.087  |       |      |      |             |       |          |       |
| Iridium-192    | U      | -0.0351   | U    | 0.0117    | pCi/g | 400  |      | N/A         |       |          |       |
|                |        | +/-0.049  |      | +/-0.0367 |       |      |      |             |       |          |       |
| Iron-59        | U      | 0.0447    | U    | -0.0472   | pCi/g | 7290 |      | N/A         |       |          |       |
|                |        | +/-0.156  |      | +/-0.0984 |       |      |      |             |       |          |       |
| Lead-210       | U      | 0.521     | U    | 1.54      | pCi/g | 99   |      | N/A         |       |          |       |
|                |        | +/-0.950  |      | +/-4.81   |       |      |      |             |       |          |       |
| Lead-212       |        | 0.456     | UI   | 0.00      | pCi/g | 29   |      | (0% - 100%) |       |          |       |
|                |        | +/-0.128  |      | +/-0.138  |       |      |      |             |       |          |       |
| Lead-214       |        | 0.442     |      | 0.318     | pCi/g | 33   |      | (0% - 100%) |       |          |       |
|                |        | +/-0.144  |      | +/-0.128  |       |      |      |             |       |          |       |
| Manganese-54   | U      | -0.0285   | U    | 0.0244    | pCi/g | 2570 |      | N/A         |       |          |       |
|                |        | +/-0.0578 |      | +/-0.0474 |       |      |      |             |       |          |       |
| Mercury-203    | U      | -0.0488   | U    | 0.0279    | pCi/g | 734  |      | N/A         |       |          |       |
|                |        | +/-0.0556 |      | +/-0.0433 |       |      |      |             |       |          |       |
| Neodymium-147  | U      | 0.0155    | U    | -0.339    | pCi/g | 219  |      | N/A         |       |          |       |
|                |        | +/-1.09   |      | +/-0.989  |       |      |      |             |       |          |       |
| Neptunium-239  | U      | -0.162    | U    | -0.0258   | pCi/g | 145  |      | N/A         |       |          |       |
|                |        | +/-0.190  |      | +/-0.139  |       |      |      |             |       |          |       |
| Niobium-94     | U      | -0.00447  | U    | -0.00647  | pCi/g | 37   |      | N/A         |       |          |       |
|                |        | +/-0.0574 |      | +/-0.0362 |       |      |      |             |       |          |       |
| Niobium-95     | U      | -0.0684   | U    | 0.0779    | pCi/g | 3070 |      | N/A         |       |          |       |
|                |        | +/-0.0899 |      | +/-0.0589 |       |      |      |             |       |          |       |
| Potassium-40   |        | 9.02      |      | 7.19      | pCi/g | 23 * |      | (0% - 20%)  |       |          |       |
|                |        | +/-1.50   |      | +/-1.39   |       |      |      |             |       |          |       |
| Promethium-144 | U      | 0.0318    | U    | 0.0114    | pCi/g | 95   |      | N/A         |       |          |       |
|                |        | +/-0.0604 |      | +/-0.0382 |       |      |      |             |       |          |       |
| Promethium-146 | U      | -0.0195   | U    | -0.00427  | pCi/g | 128  |      | N/A         |       |          |       |
|                |        | +/-0.0645 |      | +/-0.0518 |       |      |      |             |       |          |       |
| Radium-226     |        | 0.345     |      | 0.427     | pCi/g | 21   |      | (0% - 100%) |       |          |       |
|                |        | +/-0.232  |      | +/-0.124  |       |      |      |             |       |          |       |
| Radium-228     | UI     | 0.00      | UI   | 0.00      | pCi/g | 18   |      | N/A         |       |          |       |
|                |        | +/-0.357  |      | +/-0.279  |       |      |      |             |       |          |       |
| Ruthenium-106  | U      | -0.191    | U    | -0.00615  | pCi/g | 188  |      | N/A         |       |          |       |
|                |        | +/-0.479  |      | +/-0.334  |       |      |      |             |       |          |       |
| Silver-110m    | U      | 0.0353    | U    | -0.00305  | pCi/g | 238  |      | N/A         |       |          |       |
|                |        | +/-0.0627 |      | +/-0.0435 |       |      |      |             |       |          |       |
| Sodium-22      | U      | -0.00755  | U    | -0.0299   | pCi/g | 119  |      | N/A         |       |          |       |
|                |        | +/-0.066  |      | +/-0.0429 |       |      |      |             |       |          |       |
| Thallium-208   |        | 0.122     |      | 0.169     | pCi/g | 32   |      | (0% - 100%) |       |          |       |

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## QC Summary

Workorder: 213274

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| Parmname       | NOM    | Sample    | Qual | QC        | Units | RPD% | REC% | Range       | Anlst | Date     | Time  |
|----------------|--------|-----------|------|-----------|-------|------|------|-------------|-------|----------|-------|
| Rad Gamma Spec |        |           |      |           |       |      |      |             |       |          |       |
| Batch          | 781879 |           |      |           |       |      |      |             |       |          |       |
| Thorium-230    |        | +/-0.0854 |      | +/-0.0705 |       |      |      |             |       |          |       |
|                |        | 0.345     |      | 0.427     | pCi/g | 21   |      | (0% - 100%) | MJH1  | 08/08/08 | 08:21 |
|                |        | +/-0.232  |      | +/-0.124  |       |      |      |             |       |          |       |
| Thorium-234    | U      | 0.602     | U    | -0.133    | pCi/g | 314  |      |             | N/A   |          |       |
|                |        | +/-1.17   |      | +/-1.31   |       |      |      |             |       |          |       |
| Tin-113        | U      | -0.0209   | U    | -0.0176   | pCi/g | 17   |      |             | N/A   |          |       |
|                |        | +/-0.0647 |      | +/-0.0517 |       |      |      |             |       |          |       |
| Uranium-235    | U      | 0.261     | U    | -0.0574   | pCi/g | 313  |      |             | N/A   |          |       |
|                |        | +/-0.246  |      | +/-0.166  |       |      |      |             |       |          |       |
| Uranium-238    | U      | 0.602     | U    | -0.133    | pCi/g | 314  |      |             | N/A   |          |       |
|                |        | +/-1.17   |      | +/-1.31   |       |      |      |             |       |          |       |
| Yttrium-88     | U      | -0.0426   | U    | -0.0467   | pCi/g | 9    |      |             | N/A   |          |       |
|                |        | +/-0.0588 |      | +/-0.0487 |       |      |      |             |       |          |       |
| Zinc-65        | U      | -0.0374   | U    | -0.0978   | pCi/g | 89   |      |             | N/A   |          |       |
|                |        | +/-0.137  |      | +/-0.0935 |       |      |      |             |       |          |       |
| Zirconium-95   | U      | -0.0359   | U    | 0.0615    | pCi/g | 760  |      |             | N/A   |          |       |
|                |        | +/-0.123  |      | +/-0.0807 |       |      |      |             |       |          |       |
| QC1201639220   | LCS    |           |      |           |       |      |      |             |       |          |       |
| Actinium-228   |        |           | U    | 0.378     | pCi/g |      |      |             |       | 08/07/08 | 14:06 |
|                |        |           |      | +/-0.940  |       |      |      |             |       |          |       |
| Americium-241  | 42.9   |           |      | 45.2      | pCi/g |      | 105  | (75%-125%)  |       |          |       |
|                |        |           |      | +/-4.13   |       |      |      |             |       |          |       |
| Antimony-124   |        |           | U    | 0.00215   | pCi/g |      |      |             |       |          |       |
|                |        |           |      | +/-0.315  |       |      |      |             |       |          |       |
| Antimony-125   |        |           | U    | 0.153     | pCi/g |      |      |             |       |          |       |
|                |        |           |      | +/-0.459  |       |      |      |             |       |          |       |
| Barium-133     |        |           | U    | 0.0074    | pCi/g |      |      |             |       |          |       |
|                |        |           |      | +/-0.177  |       |      |      |             |       |          |       |
| Barium-140     |        |           | U    | 0.533     | pCi/g |      |      |             |       |          |       |
|                |        |           |      | +/-1.28   |       |      |      |             |       |          |       |
| Beryllium-7    |        |           | U    | 0.210     | pCi/g |      |      |             |       |          |       |
|                |        |           |      | +/-1.80   |       |      |      |             |       |          |       |
| Bismuth-212    |        |           | U    | 0.486     | pCi/g |      |      |             |       |          |       |
|                |        |           |      | +/-1.48   |       |      |      |             |       |          |       |
| Bismuth-214    |        |           | U    | 0.140     | pCi/g |      |      |             |       |          |       |
|                |        |           |      | +/-0.316  |       |      |      |             |       |          |       |
| Cerium-139     |        |           |      | 0.297     | pCi/g |      |      |             |       |          |       |
|                |        |           |      | +/-0.108  |       |      |      |             |       |          |       |
| Cerium-141     |        |           | U    | 0.142     | pCi/g |      |      |             |       |          |       |
|                |        |           |      | +/-0.144  |       |      |      |             |       |          |       |
| Cerium-144     |        |           | U    | -0.341    | pCi/g |      |      |             |       |          |       |
|                |        |           |      | +/-0.599  |       |      |      |             |       |          |       |
| Cesium-134     |        |           | U    | -0.111    | pCi/g |      |      |             |       |          |       |
|                |        |           |      | +/-0.234  |       |      |      |             |       |          |       |

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## QC Summary

Workorder: 213274

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| Parmname       | NOM    | Sample | Qual | QC                  | Units | RPD% | REC% | Range      | Anlst | Date     | Time  |
|----------------|--------|--------|------|---------------------|-------|------|------|------------|-------|----------|-------|
| Rad Gamma Spec |        |        |      |                     |       |      |      |            |       |          |       |
| Batch          | 781879 |        |      |                     |       |      |      |            |       |          |       |
| Cesium-136     |        |        | U    | 0.212<br>+/-0.753   | pCi/g |      |      |            |       |          |       |
| Cesium-137     | 16.9   |        |      | 19.2<br>+/-1.78     | pCi/g |      | 114  | (75%-125%) | MJH1  | 08/07/08 | 14:06 |
| Chromium-51    |        |        | U    | -0.341<br>+/-1.43   | pCi/g |      |      |            |       |          |       |
| Cobalt-56      |        |        | U    | -0.0625<br>+/-0.253 | pCi/g |      |      |            |       |          |       |
| Cobalt-57      |        |        |      | 1.39<br>+/-0.225    | pCi/g |      |      |            |       |          |       |
| Cobalt-58      |        |        | U    | -0.0718<br>+/-0.232 | pCi/g |      |      |            |       |          |       |
| Cobalt-60      | 20.8   |        |      | 22.2<br>+/-1.79     | pCi/g |      | 107  | (75%-125%) |       |          |       |
| Europium-152   |        |        | U    | 0.0691<br>+/-0.387  | pCi/g |      |      |            |       |          |       |
| Europium-154   |        |        | U    | 0.448<br>+/-0.362   | pCi/g |      |      |            |       |          |       |
| Europium-155   |        |        | U    | 0.00863<br>+/-0.226 | pCi/g |      |      |            |       |          |       |
| Iridium-192    |        |        | U    | 0.0863<br>+/-0.133  | pCi/g |      |      |            |       |          |       |
| Iron-59        |        |        | U    | 0.152<br>+/-0.695   | pCi/g |      |      |            |       |          |       |
| Lead-210       |        |        |      | 6.18<br>+/-1.98     | pCi/g |      |      |            |       |          |       |
| Lead-212       |        |        | U    | 0.0239<br>+/-0.176  | pCi/g |      |      |            |       |          |       |
| Lead-214       |        |        | U    | -0.0216<br>+/-0.281 | pCi/g |      |      |            |       |          |       |
| Manganese-54   |        |        | U    | 0.00684<br>+/-0.219 | pCi/g |      |      |            |       |          |       |
| Mercury-203    |        |        | U    | 0.00148<br>+/-0.137 | pCi/g |      |      |            |       |          |       |
| Neodymium-147  |        |        | U    | -0.0613<br>+/-2.82  | pCi/g |      |      |            |       |          |       |
| Neptunium-239  |        |        | U    | 0.225<br>+/-0.472   | pCi/g |      |      |            |       |          |       |
| Niobium-94     |        |        | U    | 0.0381<br>+/-0.159  | pCi/g |      |      |            |       |          |       |
| Niobium-95     |        |        | U    | -0.13<br>+/-0.244   | pCi/g |      |      |            |       |          |       |
| Potassium-40   |        |        | U    | 0.341<br>+/-1.14    | pCi/g |      |      |            |       |          |       |
| Promethium-144 |        |        | U    | -0.0518             | pCi/g |      |      |            |       |          |       |

# GEL LABORATORIES LLC

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## QC Summary

Workorder: 213274

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| Parmname       | NOM    | Sample | Qual | QC                   | Units | RPD% | REC% | Range | Anlst | Date     | Time  |
|----------------|--------|--------|------|----------------------|-------|------|------|-------|-------|----------|-------|
| Rad Gamma Spec |        |        |      |                      |       |      |      |       |       |          |       |
| Batch          | 781879 |        |      |                      |       |      |      |       |       |          |       |
| Promethium-146 |        |        | U    | +/-0.161<br>-0.0484  | pCi/g |      |      |       | MJH1  | 08/07/08 | 14:06 |
| Radium-226     |        |        | U    | +/-0.239<br>0.140    | pCi/g |      |      |       |       |          |       |
| Radium-228     |        |        | U    | +/-0.316<br>0.378    | pCi/g |      |      |       |       |          |       |
| Ruthenium-106  |        |        | U    | +/-0.940<br>0.802    | pCi/g |      |      |       |       |          |       |
| Silver-110m    |        |        |      | +/-1.51<br>0.862     | pCi/g |      |      |       |       |          |       |
| Sodium-22      |        |        | U    | +/-0.236<br>0.149    | pCi/g |      |      |       |       |          |       |
| Thallium-208   |        |        | U    | +/-0.131<br>-0.148   | pCi/g |      |      |       |       |          |       |
| Thorium-230    |        |        | U    | +/-0.172<br>0.140    | pCi/g |      |      |       |       |          |       |
| Thorium-234    |        |        | U    | +/-0.316<br>-2.97    | pCi/g |      |      |       |       |          |       |
| Tin-113        |        |        | U    | +/-1.71<br>0.211     | pCi/g |      |      |       |       |          |       |
| Uranium-235    |        |        | U    | +/-0.208<br>-0.13    | pCi/g |      |      |       |       |          |       |
| Uranium-238    |        |        | U    | +/-0.488<br>-2.97    | pCi/g |      |      |       |       |          |       |
| Yttrium-88     |        |        | U    | +/-1.71<br>0.240     | pCi/g |      |      |       |       |          |       |
| Zinc-65        |        |        | U    | +/-0.186<br>0.737    | pCi/g |      |      |       |       |          |       |
| Zirconium-95   |        |        | U    | +/-0.606<br>-0.295   | pCi/g |      |      |       |       |          |       |
| QC1201639218   | MB     |        |      | +/-0.379             |       |      |      |       |       |          |       |
| Actinium-228   |        |        | U    | 0.028                | pCi/g |      |      |       |       | 08/07/08 | 14:06 |
| Americium-241  |        |        | U    | +/-0.135<br>0.116    | pCi/g |      |      |       |       |          |       |
| Antimony-124   |        |        | U    | +/-0.234<br>-0.00941 | pCi/g |      |      |       |       |          |       |
| Antimony-125   |        |        | U    | +/-0.097<br>-0.0688  | pCi/g |      |      |       |       |          |       |
| Barium-133     |        |        | U    | +/-0.0883<br>-0.0345 | pCi/g |      |      |       |       |          |       |
| Barium-140     |        |        | U    | +/-0.0453<br>0.0886  | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.265             |       |      |      |       |       |          |       |

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| Parmname       | NOM    | Sample | Qual | QC                   | Units | RPD% | REC% | Range | Anlst | Date     | Time  |
|----------------|--------|--------|------|----------------------|-------|------|------|-------|-------|----------|-------|
| Rad Gamma Spec |        |        |      |                      |       |      |      |       |       |          |       |
| Batch          | 781879 |        |      |                      |       |      |      |       |       |          |       |
| Beryllium-7    |        |        | U    | -0.27<br>+/-0.292    | pCi/g |      |      |       |       |          |       |
| Bismuth-212    |        |        | U    | 0.107<br>+/-0.278    | pCi/g |      |      |       | MJH1  | 08/07/08 | 14:06 |
| Bismuth-214    |        |        | U    | -0.0161<br>+/-0.0825 | pCi/g |      |      |       |       |          |       |
| Cerium-139     |        |        | U    | -0.0168<br>+/-0.0232 | pCi/g |      |      |       |       |          |       |
| Cerium-141     |        |        | U    | 0.0436<br>+/-0.0537  | pCi/g |      |      |       |       |          |       |
| Cerium-144     |        |        | U    | -0.00561<br>+/-0.168 | pCi/g |      |      |       |       |          |       |
| Cesium-134     |        |        | U    | -0.0153<br>+/-0.038  | pCi/g |      |      |       |       |          |       |
| Cesium-136     |        |        | U    | 0.0212<br>+/-0.0911  | pCi/g |      |      |       |       |          |       |
| Cesium-137     |        |        | U    | 0.0084<br>+/-0.0305  | pCi/g |      |      |       |       |          |       |
| Chromium-51    |        |        | U    | -0.231<br>+/-0.344   | pCi/g |      |      |       |       |          |       |
| Cobalt-56      |        |        | U    | 0.00644<br>+/-0.0409 | pCi/g |      |      |       |       |          |       |
| Cobalt-57      |        |        | U    | 0.00127<br>+/-0.0219 | pCi/g |      |      |       |       |          |       |
| Cobalt-58      |        |        | U    | 0.00847<br>+/-0.0368 | pCi/g |      |      |       |       |          |       |
| Cobalt-60      |        |        | U    | 0.0255<br>+/-0.0401  | pCi/g |      |      |       |       |          |       |
| Europium-152   |        |        | U    | -0.0437<br>+/-0.0955 | pCi/g |      |      |       |       |          |       |
| Europium-154   |        |        | U    | -0.0659<br>+/-0.105  | pCi/g |      |      |       |       |          |       |
| Europium-155   |        |        | U    | 0.0576<br>+/-0.0913  | pCi/g |      |      |       |       |          |       |
| Iridium-192    |        |        | U    | -0.0131<br>+/-0.0324 | pCi/g |      |      |       |       |          |       |
| Iron-59        |        |        | U    | -0.0286<br>+/-0.0796 | pCi/g |      |      |       |       |          |       |
| Lead-210       |        |        | U    | -0.836<br>+/-11.3    | pCi/g |      |      |       |       |          |       |
| Lead-212       |        |        | U    | -0.0136<br>+/-0.0801 | pCi/g |      |      |       |       |          |       |
| Lead-214       |        |        | U    | 0.0084<br>+/-0.0824  | pCi/g |      |      |       |       |          |       |
| Manganese-54   |        |        | U    | 0.00592              | pCi/g |      |      |       |       |          |       |

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| Parmname       | NOM    | Sample | Qual | QC        | Units | RPD% | REC% | Range | Anlst | Date     | Time  |
|----------------|--------|--------|------|-----------|-------|------|------|-------|-------|----------|-------|
| Rad Gamma Spec |        |        |      |           |       |      |      |       |       |          |       |
| Batch          | 781879 |        |      |           |       |      |      |       |       |          |       |
|                |        |        |      | +/-0.0333 |       |      |      |       |       |          |       |
| Mercury-203    |        | U      |      | -0.0151   | pCi/g |      |      |       | MJH1  | 08/07/08 | 14:06 |
|                |        |        |      | +/-0.036  |       |      |      |       |       |          |       |
| Neodymium-147  |        | U      |      | 0.156     | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.612  |       |      |      |       |       |          |       |
| Neptunium-239  |        | U      |      | -0.145    | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.178  |       |      |      |       |       |          |       |
| Niobium-94     |        | U      |      | -0.0149   | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.0338 |       |      |      |       |       |          |       |
| Niobium-95     |        | U      |      | -0.022    | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.0419 |       |      |      |       |       |          |       |
| Potassium-40   |        | U      |      | 0.0696    | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.405  |       |      |      |       |       |          |       |
| Promethium-144 |        | U      |      | 0.0251    | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.0331 |       |      |      |       |       |          |       |
| Promethium-146 |        | U      |      | 0.0167    | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.0385 |       |      |      |       |       |          |       |
| Radium-226     |        | U      |      | -0.0161   | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.0825 |       |      |      |       |       |          |       |
| Radium-228     |        | U      |      | 0.028     | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.135  |       |      |      |       |       |          |       |
| Ruthenium-106  |        | U      |      | -0.0251   | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.299  |       |      |      |       |       |          |       |
| Silver-110m    |        | U      |      | 0.0038    | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.0285 |       |      |      |       |       |          |       |
| Sodium-22      |        | U      |      | -0.0188   | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.0367 |       |      |      |       |       |          |       |
| Thallium-208   |        | U      |      | -0.0202   | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.054  |       |      |      |       |       |          |       |
| Thorium-230    |        | U      |      | -0.0161   | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.0825 |       |      |      |       |       |          |       |
| Thorium-234    |        | U      |      | 2.14      | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-1.93   |       |      |      |       |       |          |       |
| Tin-113        |        | U      |      | -0.00582  | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.0397 |       |      |      |       |       |          |       |
| Uranium-235    |        | U      |      | -0.0125   | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.192  |       |      |      |       |       |          |       |
| Uranium-238    |        | U      |      | 2.14      | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-1.93   |       |      |      |       |       |          |       |
| Yttrium-88     |        | U      |      | 0.0123    | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.0423 |       |      |      |       |       |          |       |
| Zinc-65        |        | U      |      | -0.048    | pCi/g |      |      |       |       |          |       |
|                |        |        |      | +/-0.0729 |       |      |      |       |       |          |       |
| Zirconium-95   |        | U      |      | -0.0484   | pCi/g |      |      |       |       |          |       |

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### QC Summary

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| Parmname       | NOM    | Sample Qual | QC | Units | RPD% | REC% | Range | Anlst | Date | Time |
|----------------|--------|-------------|----|-------|------|------|-------|-------|------|------|
| Rad Gamma Spec |        |             |    |       |      |      |       |       |      |      |
| Batch          | 781879 |             |    |       |      |      |       |       |      |      |

+/-0.0642

#### Notes:

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- H Analytical holding time was exceeded
- J Value is estimated
- M M if above MDC and less than LLD
- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- UI Gamma Spectroscopy--Uncertain identification
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more.

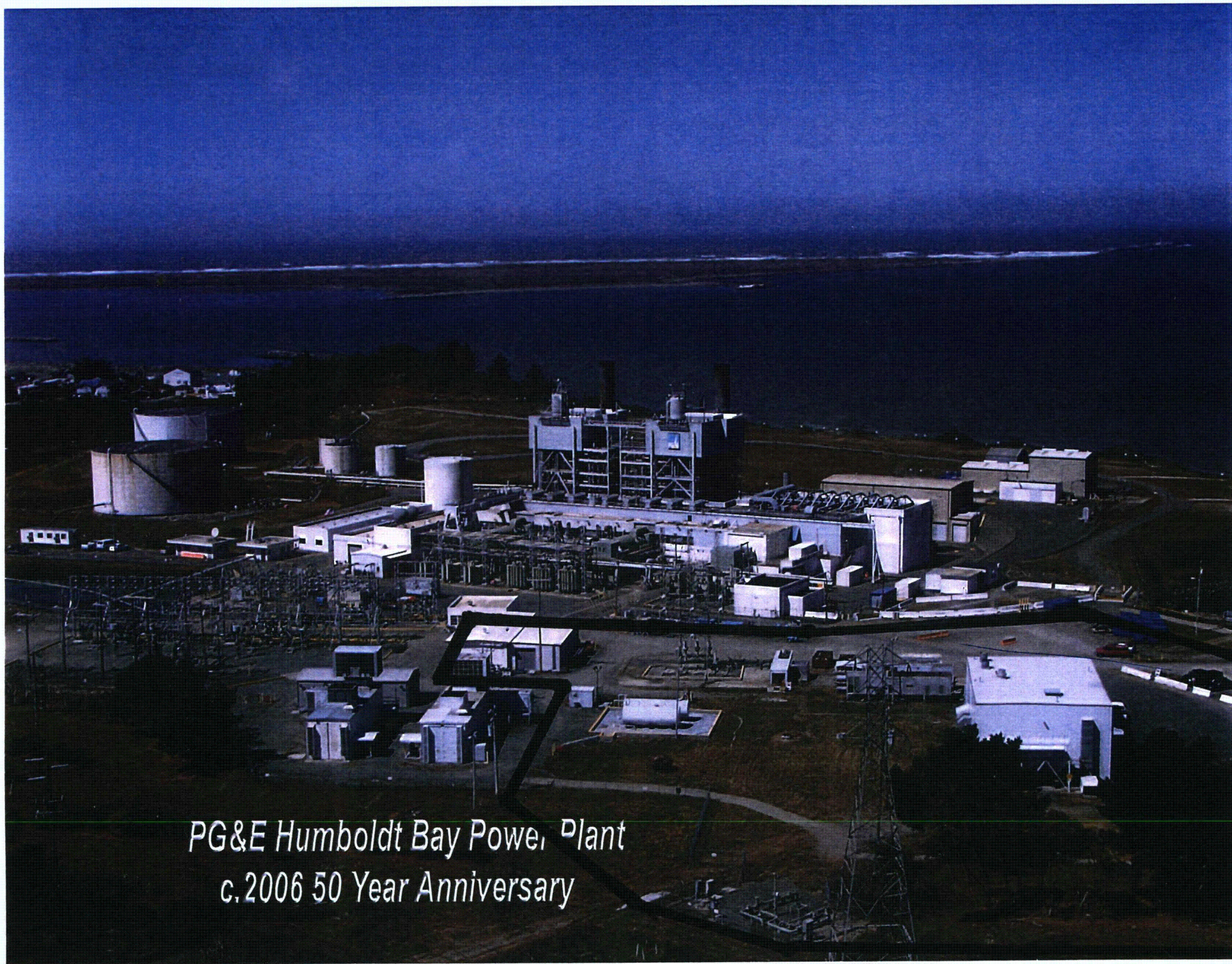
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

\* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.





*PG&E Humboldt Bay Power Plant  
c. 2006 50 Year Anniversary*







