



CABRERA SERVICES
RADIOLOGICAL • ENGINEERING • REMEDIATION

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September 23, 2009

Regional Administrator
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406
ATTN: Director, Division of Nuclear Materials Safety

RE: Activities at temporary job site utilizing U.S. NRC Radioactive Material
License #06-30556-01 Amendment 01

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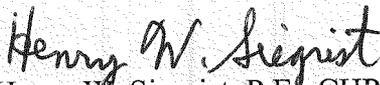
Dear Sir or Madam:

Cabrera Services Inc. (CABRERA) is providing this written notification of its intent to utilize CABRERA Material License #06-30556-01 Amendment 01 at a temporary job site. The attached information is provided as required by license condition 18A.

We trust that this information is sufficient to grant our use of CABRERA material license # 06-30556-01 Amendment 01 at the temporary job site. This license is currently in use at 2 other sites (MO, CA). No activity exceeding license limitations will be conducted. CABRERA will notify the Regional Administrator, U.S. Nuclear Regulatory Commission, within 30 days of termination of activities at this job site in keeping with license condition 18B.

If you should have any questions regarding this notification, please contact either Henry W. Siegrist or David J. Watters at CABRERA (860) 569-0095.

Sincerely,


Henry W. Siegrist, P.E., CHP
Corporate Health Physicist

attachment

144/96
NRC/RGNI MATER. ALS-002

ATTACHMENT
Tuba City Open Dump
Tuba City, Arizona
(September 2009)

Cabrera Services, Inc. (CABRERA) is providing a GPS-correlated site gamma survey and radiological screening with isotopic identification of monitoring wells, core borings and test pits at the Tuba City Open Dump (TCOD) located east of Tuba City, Arizona. The work entails the radiological protection controls and surveys in support of onsite work evolutions. A gamma spectroscopy system using exempt radioactive sources will be utilized to calibrate sample analysis equipment used to provide characterization analyses at the site. This information is being transmitted to you as required by condition 18A of the CABRERA Materials License.

BACKGROUND

The TCOD was an open uncontrolled dump that operated from the late 1950s until it was closed in 1997. A nearby uranium processing mill operated from the mid 1950s to the mid 1960s. It is suspected that the mill may have used the TCOD for the disposal of uranium contaminated materials and equipment or uranium tailings. The TCOD disposed of materials in trenches dug into the soil.

Multiple site investigations have included site aerial and land surveys, geophysical surveys, surface and subsurface radiological surveys, soil borings, and various groundwater investigations and routine sampling of groundwater monitoring wells.

RADIOLOGICAL WORK DETAILS

CABRERA has prepared this notification to the NRC with respect to CABRERA's intent to utilize the CABRERA Materials License, number 06-30556-01 Amendment 01, at the Tuba City Open Dump located 1 mile east of Tuba City, Arizona temporary job site. As required by condition 18A of the CABRERA Materials License, the following information is provided:

GPS-correlated gamma walkover surveys will be provided of the potentially impacted area and background reference area. Elevated gamma activity results will be analyzed and provided on a CAD based map.

The TCOD sampling area known as MW-07 has been identified as the highest known to-date groundwater concentration of uranium at the site. Surface and subsurface soil sample core borings will be collected via push-probe type and/or drilling equipment for soil characterization purposes in and around and upgradient of this area. In addition a minimum of three test pits will be constructed to determine the presence of the contaminant at depth.

Soil samples will be collected, prepared, and placed appropriate containers and orientation for gamma spectroscopy analysis. The samples will be analyzed onsite utilizing portable high purity germanium (HPGe) gamma spectroscopy equipment. The gamma spectroscopy equipment will be calibrated using various NRC exempt gamma sources. All radioactive sources brought onsite by CABRERA will be under CABRERA control at the Site during work evolutions.

Investigation derived wastes (IDW) will be controlled and handled in accordance with federal and state regulations. This includes onsite samples, small amounts of contaminated PPE and equipment (gloves, smears, used containers, etc.). Total IDW is expected to be small and will be the responsibility of the prime contractor to package and dispose properly. Cabrera will not take possession of any radioactive materials derived from the Site.

CABRERA will also utilize portable radiological detection instruments and exempt check sources for radiological surveys and daily instrument QA/QC performance checks. All such sources will remain under CABRERA control.

CABRERA NRC Materials License (No. 06-30556-01) requirements, including previously submitted procedures, will be adhered to with respect to the duration of this work evolution. Radiological surveys of affected work areas, and decontamination of equipment used for the work effort will be conducted after completion of investigation activities to ensure the absence of radioactive contamination. These values are consistent with NRC Regulatory Guide 1.86.

The project start date including instrumentation utilization in potentially impacted areas is on or about October 8, 2009. Work within this scope of characterization activity is expected to be completed prior to November 30, 2009. Mobilization and non-radiological activities may commence onsite earlier than the date noted above.

Key project personnel and supporting information is available from:

Barb Becker, PMP
Sr. Project Manager
Cabrera Services, Inc.
136 St. James
Irvine, CA 92606
primary phone (cell): 949-929-2748
alternate phone (land line): 949-653-5920

Kevin Bricknell, PE QEP
Project Manager
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1999 Harrison Street, Suite 500
Oakland, CA 94612
Ph: 510-302-6306
Cell: 415-290-3580

Lawson Bailey
Radiation Safety Officer
Tetra Tech
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Henry Siegrist, P.E., CHP – CABRERA Corporate Health Physicist
Cabrera Services, Inc.
473 Silver Lane
East Hartford, CT 06118
Tel (860) 569-0095 ext 18

Please contact Henry Siegrist (CABRERA) at (860) 569-0095 should you have any questions regarding this CABRERA notification of intent to utilize NRC Materials License, number 06-30556-01 Amendment No. 1.

This is to acknowledge the receipt of your letter application dated 9/23/09, and to inform you that the initial processing which includes an administrative review has been performed.

Notification (06-30556-01)
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 144196.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader