



CABRERA SERVICES
RADIOLOGICAL • ENGINEERING • REMEDIATION

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March 18, 2010

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

03035316

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

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 or reciprocity 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 Henry W. Siegristers at CABRERA (860) 569-0095.

Sincerely,

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

attachment

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ATTACHMENT
SEAPORT LAGOON AT FORMER NAVAL AIR STATION ALAMEDA PT
ALAMEDA, CA
(March 2010)

Cabrera Services, Inc. (CABRERA) is providing radiological remediation, sample analysis, and final status survey support at the Installation Restoration Site 17 (IR 17), Seaplane Lagoon, (Site) located at the former Naval Air Station Alameda Point (NAS), in Alameda, California. The work entails collecting samples, gamma screening of soils, loading and storage of low level radioactive waste (LLRW), and air sampling. A swipe counting system and portable radiation detection equipment using exempt radioactive sources will be utilized for daily source checks of equipment. LLRW containing potentially small quantities of licensed material will be generated and stored at the project site then transferred to a licensed broker for disposal. This information is being transmitted to you as required by condition 18A of the CABRERA Materials License.

BACKGROUND

Former NAS Alameda was an active military installation from the 1930s to the 1990s that provided facilities and support for fleet aviation activities. The site, is located in the southeastern corner of Alameda Point and was constructed in an area originally occupied by a tidal flat. The interior of the approximately 110-acre lagoon was historically dredged to a depth of approximately 20 ft and is currently approximately 12 to 20 ft deep. Sewer lines leading to the site have detectable levels of residual radioactivity in the form of radium 226 (Ra-226). In addition, some vessels involved with Operations Crossroads were moored at the site making a potential for long-lived fission products to be present. Therefore, cesium 137 (Cs-137) and strontium 90 (Sr-90) are also considered contaminants of concern (COC).

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, at the IR 17 site on the NAS Alameda, in Alameda CA temporary job site. As required by condition 18A of the CABRERA Materials License, the following information is provided:

The floor of the site will be dredged to a depth indicated by the pre-dredge sampling and estimated to be five feet at the areas designated by the Record of Decision (ROD) in the northeast and northwest corners of the lagoon. The NW Remediation Area is approximately 2.9 acres in size and the NE Remediation Area is approximately 4.9 acres in size, for an overall remediation area of approximately 8 acres. It is expected that approximately 63,000 cubic yards (cy) of sediments will be removed during the dredging of these areas to the design dredge depth of five feet below mud surface.

The selected remedy as provided in the approved Final ROD consists of dredging, dewatering, and off-site disposal of sediments containing concentrations of COCs exceeding Regulatory Guidance RGs at an appropriate off-site waste disposal facility. To achieve the desired project objectives the scope of work will include the following activities:

- Mechanically dredging sediments in the northeast and northwest corners of the site where concentrations of COCs exceed RGs developed to be protective of human health and/or sensitive ecological receptors

- Dewatering dredged sediments in dewatering pads, radiologically screening certain sediments, sampling the sediments for waste characterization purposes, and then transporting excavated sediments off site to an appropriate disposal facility (or multiple facilities depending on the characteristics of the waste)
- Collecting sediment samples from the dredging areas to confirm that RGs have been achieved and that elevated concentrations of other chemicals (i.e., chromium and lead) have been removed.
- Restoring the site and demobilizing equipment and personnel followed by completing a site closeout report

Material dredged from the site will be laid out in six inch lifts and scanned using a large area scanning system for gross gamma radiation. Material exceeding a predetermined action level will be remediated and disposed of as LLRW by a licensed broker. Investigation derived wastes (IDW) will be handled in accordance with federal and state regulations. This includes onsite samples, small amounts of contaminated PPE and equipment (gloves, smears, used sample containers, etc.). Total IDW is expected is not known at this time. Cabrera will ensure safe storage of the containerized waste until the waste is ready for shipping at which time it will be transferred to the control of a licensed radioactive waste broker.

A small counting laboratory will be established onsite for counting swipes, air samples, and performing minor repair for portable instrumentation used by radiation control technicians in the field.

The radionuclide contaminant of concern potentially present in soil and samples from the Site is Ra-226. Small amounts of long-lived fission products such as Cs-137 and Sr-90 may be present as well.

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 remediation investigation activities to ensure the absence of radioactive contamination. These values are consistent with NRC Regulatory Guide 1.86. Samples collected from this effort will remain onsite until completion of the project expected in 2012. Cabrera will not take possession of any material derived from the site.

The project will begin on or about April 1, 2010 with a pre-dredge sampling effort. The first few days onsite will include mobilization efforts without any actual field sampling. Sampling and onsite staging of the subject materials is expected to continue through December 31, 2010.

Key Personnel and supporting information:

Ms. Laurie Lowman - Lead Environmental Protection Manager
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Mr. Travis Williamson – Battelle Memorial Institute
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Mr. James Reese – CABRERA Project Manager
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Tele (916) 334-3740

Mr. Henry Siegrist, P.E., CHP -CABRERA RSO, Corporate Health Physicist
Cabrera Services, Inc.
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East Hartford, CT 06118
Tele (860) 569-0095

| 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.

This is to acknowledge the receipt of your letter/application dated

3/18/2010, 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** 144516.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.