



CABRERA SERVICES

RADIOLOGICAL • ENGINEERING • REMEDIATION

June 27, 2011

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RECEIVED
REGION 1

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 03

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 03 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 03 at the temporary job site. This license or reciprocity is currently in use at 3 other sites (HI, NY, PA). 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 at CABRERA (860) 569-0095.

Sincerely,

for Paul H. Schwantz

Henry W. Siegrist, P.E., CHP
RSO

attachment

575476

NMSS/RGN1 MATERIALS-002

ATTACHMENT
SM-1 ARMY REACTOR SITE
FORT GREELY, ALASKA
(July 2011)

Cabrera Services, Inc. (CABRERA) is providing radiological characterization and field sampling and analysis obtained from the Fort Greely SM-1 Army reactor and surrounding environs at the Site. Samples of various media will be collected, analyzed onsite, and/or packaged and sent to an offsite laboratory for radionuclide identification and quantification of activity concentration. The work will be conducted as part of characterization operations administered by the U.S. Army Corps of Engineers (USACE). A DA-3337, "Application for Army Radiation Authorization" was submitted on May 9, 2011 to the Fort Greely Office of Safety Director. The Army approval to bring NRC licensed sources onto the site and an X-Ray Fluorescence (XRF) metal detector was made on May 31, 2011. Work will be permitted to be done under this Permit beginning as early as June, 2011 with an expiration of December 31, 2011 in accordance with the terms specified in the Cabrera application and NRC License No. 06-30556-01 expiring on September 2020. Both exempt check sources and an NRC licensed source will be used at the site for daily instrument QA/QC and gamma spectroscopy equipment calibration. This information is being transmitted to you as required by condition 18A of the Cabrera Materials License.

BACKGROUND

The SM-1 power reactor was operated to produce both electric power and provide heat and hot water for the Fort Greely Army base. Following permanent shutdown a combination of decommissioning and safe store processes were implemented to remove all of the special nuclear material, remove most of the radioactive waste, seal the vapor container entrances, and decontaminate/restrict access to the site building spaces outside the containment.

WORK DETAILS

Cabrera has prepared this notification for the NRC with respect to Cabrera's intent to utilize the Cabrera Materials License, number 06-30556-01, for work performed at the SM-1 reactor located on the property of Ft. Greely, Alaska temporary job site. As required by condition 18A of the Cabrera Materials License, the following information is provided:

Characterization activities will be performed to address USACE contract requirements that consist of site and environmental verification surveys. These include providing radiological controls during work evolutions, environmental media sampling consisting of soil, water, and possibly sediment samples outside the confines of the SM-1 buildings. Interior characterization of the SM-1 buildings includes building radiological surveys of various pieces of equipment, components, and structures. Collected samples will be packaged and shipped to a USACE approved radiological laboratory for analysis.

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 to consist of up to five 96-cubic feet containers. Cabrera will not take possession of any radioactive materials derived from the Site.

All occupationally exposed Cabrera personnel will be provided with radiation dosimetry provided from a National Voluntary Laboratory Accreditation Program (NVLAP) processor. Airborne

activity is expected to be trivial. However, should internal exposures be encountered they will be controlled through site engineering controls and respiratory protection should engineering controls alone not provide sufficient internal abatement.

Radioactive check sources will be used for daily QC checks of portable radiation detection equipment. These will be controlled under CABRERA NRC Materials License (No. 06-30556-01) and are NRC exempt sources.

In addition, an NRC licensed calibration source will be utilized during the work evolution. The calibration source to be controlled under the CABRERA NRC Materials License (No. 06-30556-01) is a 1 microcurie americium-241 button type source.

The licensed source will be shipped to the Site directly to a CABRERA Employee. Source controls will be implemented onsite in accordance with CABRERA NRC License conditions. In addition, CABRERA Radiation Safety Procedure "Use and Control of Radioactive Check Sources", OP-009, will be utilized to ensure proper source storage and control for all radioactive sources.

The radionuclide contaminants of concern potentially present at the facility include long-lived fission products and activation products produced by operation of the nuclear reactor. The surrounding environs are not expected to have any reactor generated radionuclides of significance present.

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 characterization and investigation activities to ensure the absence of radioactive contamination. These values are consistent with NRC Regulatory Guide 1.86.

Work within the current scope of remediation license activities are expected to commence on or about July 11, 2011 with a completion of December 31, 2011.

Key project personnel and supporting information:

Mr. James Reese, CHP
CABRERA Program Manager
3355 Myrtle Ave Suite 210
Sacramento, CA 95660
(916) 334-3740 (office)
(916) 833-2945 (cell)

Mr. Hans Honerlah – Chief Radiation Safety Officer
US Army Corps of Engineers – Baltimore District
CENAB-EH-HI
10 Howard Street
Baltimore, MD 21203-1715
Tele (410) 962-9184

Mr. Henry Siegrist, P.E., CHP – Radiation Safety Officer
Cabrera Services, Inc.
473 Silver Lane
East Hartford, CT 06118
Tele (860) 569-0095
Cell (860) 416-0196

Please contact Henry Siegrist at (860) 569-0095 should you have any questions regarding this Cabrera notification of intent to utilize the NRC Materials License, number 06-30556-01.

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

6/27/2014, 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** 525476.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.