



**CABRERA SERVICES**  
RADIOLOGICAL • ENGINEERING • REMEDIATION

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July 18, 2011

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: Revision to activities at temporary job site utilizing U.S. NRC Radioactive  
Material License #06-30556-01 (NRC Control No. 141861 and 574433)

Dear Sir or Madam:

03035316

Cabrera Services Inc. (CABRERA) is providing this written notification of its intent to continue to utilize CABRERA Material License #06-30556-01 at a temporary job site. A revision to the scheduled completion date, remaining site activities, and the use of only NRC exempt sources at the temporary job site is being provided by this revision. The NRC has previously sent acceptance of notification at this temporary job site on March 31, 2008 as NRC Control No. 141861 and on February 21, 2011 as NRC Control No. 574433. The attached revised information is provided as the last two paragraphs and includes changes to key personnel. This information is provided as required by license condition 18A.

We trust that this information is sufficient to grant our request for continued use of CABRERA material license # 06-30556-01 at the temporary job site. 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. Siegrist at CABRERA (860) 569-0095.

Sincerely,

Henry W. Siegrist, CHP, P.E.  
Radiation Safety Officer  
Attachment

**ATTACHMENT (Revised)**  
**DEPARTMENT HOMELAND SECURITY**  
**(NATIONAL URBAN SECURITY TECHNOLOGY LABORATORY,**  
**FORMERLY ENVIRONMENTAL MEASUREMENTS LABORATORY)**  
**NEW YORK CITY, NY**  
**(February 2008 NRC Control No. 141861**  
**And February 2011 NRC Control No. 574433)**  
**(July 2011 revised)**

Cabrera Services, Inc. (CABRERA) is providing radiological remediation, sample analysis, and final status survey (FSS) at the Department of Homeland Security, National Urban Security Technology Laboratory (NUSTL, formerly Environmental Measurements Laboratory [EML]) located at 201 Varick Street, New York City, New York 10014. The work entails sample analyses from selected survey areas, sink drains, and associated waste containers from previous laboratory sample analysis storage areas and remediation activities at the EML Site. Some minor surficial decontamination was performed. A gamma spectroscopy system was calibrated using an exempt radioactive source. Other exempt sources were utilized to calibrate and provide daily QC of the analysis equipment used to provide characterization data for the waste disposal site. This information is being transmitted to you as required by condition 18A of the CABRERA Materials License.

**BACKGROUND**

The Site was used by the EML and is being remediated under the Department of Homeland Security Agency. There are areas potentially contaminated with residual radioactivity from routine laboratory sample preparation, analysis, and storage operations in the survey units being remediated. The radiological contaminants of concern are atomic numbers 2 - 92 and a small amount of transuranics consisting primarily of Pu-238. The work evolutions are associated with limited surface decontamination of building interior surfaces and removal of a small amount of contaminated piping. In addition, characterization of stored samples of world-wide environmental soil, sediment, water, air sampling media, etc. were performed to ensure disposal site criteria may be met.

**RADIOLOGICAL WORK DETAILS**

CABRERA has revised the previous notification (NRC Control No. 141861) to provide updated information and a revised schedule of activity completion dates associated with delays in funding for the waste disposal. This notification to the NRC is with respect to CABRERA'S intent to utilize the CABRERA Materials License, number 06-30556-01 Amendment 01, at the Department of Homeland Security National Urban Security Technology Laboratory, New York City, New York temporary job site. As required by condition 18A of the CABRERA Materials License, the following information is provided:

Remediated materials, decontamination wastes, and associated IDW were collected and containerized during previous activities on the Site. These activities resulted in the generation of sixteen B-25 type containers (96 cubic ft each) of waste.

Gamma spectroscopy equipment was calibrated using NRC exempt NIST traceable sources maintained by CABRERA at the Site during work evolution. In addition, daily response checks were performed on field surface contamination instruments using NIST-traceable, exempt electroplated metal disc radioactive sources.

The radionuclide contaminants of concern potentially present are radionuclides with atomic numbers 2 through 92 and Pu-238. In addition small (picocurie to nanocurie) quantities of U-233, U-235, and Pu-239 are contained in some of the remediated waste material based on previous field data. Cabrera will not take possession of any radioactive materials derived from the Site.

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.

Remediation and FSS was completed in four mobilizations between March, 2007 and March 2009. Delays in obtaining disposal funding and recent sample analyses indicated the potential for additional remediation of a contaminated pipe. Site work activities still to be performed consist of the potential removal of a contaminated pipe and ship out of the 16 B-25 boxes of waste.

Additional work includes opening of the sixteen B-25 containers for the collection and composite sampling of non-radiological chemical samples needed to meet disposal site chemical suite data. Air sampling, and smear and survey data of the work areas and shipping containers will be provided to support this work evolution. Several NRC-exempt quantity sources will be used as daily QA sources for radiation detection equipment. Radiologically contaminated waste created during this work evolution will be disposed of within the existing B-25 containers. This work is expected to occur on or about August 2, 2011 with a duration of approximately 1 week.

Waste profiles will be provided to the approved disposal facility and the sixteen B-25 containers with waste are expected to be manifested and shipped after approval by the disposal facility. This is expected to occur no later than November 30, 2011.

Key project personnel and supporting information:

Mr. Nicholas Berliner, Project Manager  
Cabrera Services, Inc.  
473 Silver Lane  
East Harford, CT 06118  
Tele (860) 569-0095

Mr. Carl Schopfer, Ph.D – Radiation Safety Officer  
U.S. Department of Homeland Security, National Urban Security Technology Laboratory  
201 Varick Street, 5<sup>th</sup> Floor  
New York, NY 10014-7447  
Tele (212) 620-2040

Mr. Joe Hart – Health Physicist  
HQ, JMC  
ATTN: Safety/Rad Waste Directorate  
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1 Rock Island Arsenal  
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Mr. Henry Siegrist, P.E., CHP – CABRERA RSO  
Cabrera Services, Inc.  
473 Silver Lane  
East Hartford, CT 06118  
Tele (860) 569-0095  
Cell (860) 416-0196

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

7/18/11, 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

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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** 575643.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.