



**CABRERA SERVICES**  
RADIOLOGICAL • ENGINEERING • REMEDIATION

January 6, 2010

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RECEIVED  
REGION I

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

03035316

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 either Henry W. Siegrist or David J. Watters at CABRERA (860) 569-0095.

Sincerely,

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

attachment

144360

**ATTACHMENT  
ST. LOUIS AIRPORT VICINITY PROPERTIES  
HAZELWOOD, MO  
(February 2010)**

Cabrera Services, Inc. (CABRERA) is providing radiological remediation, sample analysis, and final status survey at vicinity properties surrounding the St. Louis Airport Site. Soil was taken from the Manhattan Engineering District property and used as fill material in both residential and commercial locations surrounding the airport. The work entails remediation of the soils from a number of vicinity properties, sampling, and analysis associated with the Final Status Surveys (FSS) of the properties. The work will be conducted as part of FUSRAP administered by the U.S. Army Corps of Engineers (USACE). Exempt check sources will be used at the site for daily instrument QA/QC. This information is being transmitted to you as required by condition 18A of the Cabrera Materials License.

**BACKGROUND**

The remedial actions will be performed to address contamination related to Manhattan Engineer District/U.S. Atomic Energy Commission (MED/AEC) uranium ore-processing activities. The sites are located at the Formerly Utilized Sites Remedial Action Program (FUSRAP). St. Louis County Vicinity Properties (VPs) 3, 4, 5, 6, 12, and Coldwater Creek (CWC) north of McDonnell Boulevard, 53, 54, 55 and 63 in Hazelwood, Missouri approximately fifteen miles northwest of St. Louis, MO

**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 St. Louis Airport Vicinity Properties, Hazelwood, MO temporary job site(s). As required by condition 18A of the Cabrera Materials License, the following information is provided:

Remedial activities will primarily consist of site radiological control, excavation, and hauling of contaminated materials to the St. Louis Airport Site (SLAPS) for loading onto gondola rail cars and ultimate disposal of the materials at the US Ecology Grandview, Idaho permitted disposal facility. Confirmation of meeting remediation goals through surveys conducted in compliance with the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM); contaminant of concern (COC) sampling and analysis; and restoration in accordance with existing site materials removed or otherwise agreed upon by USACE and the property owner. It is estimated that the total volume of soil removed will be approximately 2000 yd<sup>3</sup>. 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 marinelli containers, etc.). Total IDW is expected to be less than 4 55-gallon drums. Cabrera will not take possession of any radioactive materials derived from the Site.

The calibration sources are to be controlled under CABRERA NRC Materials License (No. 06-30556-01) are NRC exempt sources, nominally a 1 uCi <sup>137</sup>Cs source, and three plated sources that include <sup>230</sup>Th, <sup>99</sup>Tc, and <sup>90</sup>Sr ranging in activity from 0.0035 to 0.02 uCi.

Sources 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.

The radionuclide contaminant of concern potentially present in soil and samples from the site is uranium ore and associated uranium decay products.

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.

Work within the current scope of remediation activity is expected to commence on February 8, 2010 with a completion of May 28, 2010.

Key project personnel and supporting information:

Mr. William Lorenz, P.E. – CABRERA Project Manager  
Cabrera Services, Inc.  
5500 Main Street  
Suite 102  
Williamsville, NY 14221  
Tele (716) 635-4755

Mr. Jeffrey Dudek – CABRERA Field Site Manager  
Cabrera Services, Inc.  
5500 Main Street  
Suite 102  
Williamsville, NY 14221  
Tele (716) 635-4755

Mr. Vick James – Contracting Officer Representative  
US Army Corps of Engineers – St. Louis District  
FUSRAP Office  
8945 Latty Avenue  
Berkeley, MO 63134  
Tele (314) 260-3930

Mr. Jonathan Rankins – Radiation Safety Officer  
US Army Corps of Engineers – St. Louis District  
FUSRAP Office  
8945 Latty Avenue  
Berkeley, MO 63134  
Tele (314) 260-3933

Mr. Henry Siegrist, P.E., CHP – CABRERA Corporate Health Physicist  
Cabrera Services, Inc.  
Suite 204  
809 Main Street  
East Hartford, CT 06108  
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

1/6/2010, 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

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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** 144360.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.