



CABRERA SERVICES
RADIOLOGICAL • ENGINEERING • REMEDIATION

February 16, 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

03035316

RE: Activities at temporary job site utilizing U.S. NRC Radioactive Material
License #06-30556-01 Amendment 02

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 02 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 02 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. Siegrist at CABRERA (860) 569-0095.

Sincerely,

Henry W. Siegrist

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

attachment

144436

**ATTACHMENT
FORMER UNITED NUCLEAR CORPORATION
NAVAL PRODUCTS MANUFACTURING FACILITY
NEW HAVEN, CT
(February 2010)**

Cabrera Services, Inc. (CABRERA) is providing a Final Status Survey Plan (FSSP) for the General Electric Company and United Nuclear Corporation Naval Products located in New Haven Connecticut. The site was decontaminated and decommissioned during 1973 through 1976 when work was transferred to a new facility in Montville, CT.

Additional characterization of the New Haven site in 1996 and 1997 showed small areas of enriched uranium present in the site soil and sediments that exceeded the soil acceptance criteria set forth by the NRC in 1985. The FSSP details the survey and sampling efforts at the site and will also serve as the Field Sampling Plan (FSP) and Performance Standard Verification Plan (PSVP). Work to support the FSSP will initially include soil and sediment collection sampling routines several months prior to any remediation work at the site. This notification is for the sampling portion of work at the site. A separate notification will be provided regarding the remediation and shipment of large volumes of soil containing diffuse radioactive material from the site.

This information is being transmitted to you as required by condition 18A of the Cabrera Materials License.

BACKGROUND

Soil, sediment, and limited piping insulation and debris samples will be collected in accordance with Cabrera Quality Assurance procedures and the Radiation Protection Plan. The samples will be sent to a laboratory qualified to receive radioactive materials specific to the site. Soil and sediment containers will be provided by this laboratory. The site is located at 71 Shelton Avenue, New Haven, CT.

WORK DETAILS

Cabrera has prepared this notification to the NRC with respect to Cabrera's intent to utilize the Cabrera NRC Materials License, number 06-30556-01, at the site of the former United Nuclear Corporation Naval Products Manufacturing Facility. As required by condition 18A of the Cabrera Materials License, the following information is provided:

Sampling activities will include routine site radiological controls, soil sample collection utilizing concrete coring equipment to access soil beneath concrete floors, and saw cutting into an existing concrete trench to obtain sediment samples. Limited samples of pipe insulation and debris will be collected.

It is estimated that 30 samples of soil and sediment each having a mass of approximately 500 grams will be collected for transmittal to an offsite laboratory having a license to possess the material of concern. The total amount of soil and sediment is not expected to exceed 15

kilograms. The activity is expected to average approximately 30 pCi/g of uranium as diffuse material with spikes of up to several hundred pCi/g being expected. Collected samples will be packaged and shipped to an approved radiological laboratory for analysis. The radiological laboratory will dispose of the samples to persons licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to receive and dispose of these radioactive samples.

Sampling 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 containers, air filters, etc.). Total IDW is expected to be less than the equivalent of 2 55-gallon drums. Cabrera will not take possession of any radioactive materials derived from the Site.

Daily QC of radiation detection instrumentation will be with NRC exempt sources. These sources will be controlled under the CABRERA NRC Materials License. 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 enriched uranium-235 previously used during the manufacture of fuel for the Navy.

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 sampling 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 including mobilization and demobilization is expected to commence on March 1, 2010 with a completion of March 10, 2010.

Key project personnel and supporting information:

Mr. John Eberlin – CABRERA Project Manager
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Tele (314) 576-8700

Mr. John Uruskyi – UNC GE Project Manager
UNC GE
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Albany, NY 12203
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Mr. Dan Williams – Site Manager
Cabrera Services
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Mr. Henry Siegrist, P.E., CHP – CABRERA Corporate Health Physicist
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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

2/16/2010, 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** 144436.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.