CABRERA SERVICES
RADIOLOGICAL · ENGINEERING · REMEDIATION

August 15, 2014

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Regional Administrator
U.S. Nuclear Regulatory Commission
Region I
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713
ATTN: Director, Division of Nuclear Materials Safety

030-35316

RECEIVED
2014 AUG 18 AM 10:15

RE: Activities at Temporary Job Site Utilizing U.S. NRC Radioactive Material License #06-30556-01 Amendment 06 ~~~

Temporary Location: Former United Nuclear Corporation Naval Products Manufacturing Facility, New Haven, CT

Cabrera Services Inc. (Cabrera) is providing this written notification of its intent to use Cabrera Material License #06-30556-01 at a temporary job site. The enclosed 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 06 at this temporary job site. 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 me at (352) 610-2150.

Sincerely,

Michael S. Winters, CHP
Radiation Safety Officer / HP Group Manager

Enclosure

584620
NMSS/RGN1 MATERIALS-002

ATTACHMENT
FORMER UNITED NUCLEAR CORPORATION
NAVAL PRODUCTS MANUFACTURING FACILITY
NEW HAVEN, CT
(August 2014)

Cabrera Services, Inc. (Cabrera) has prepared this notification to the NRC regarding our intent to utilize the Cabrera NRC Materials License, number 06-30556-01 Amendment No. 06, to perform sub-surface radiological characterization-related activities under the former United Nuclear Corporation Naval Products Manufacturing Facility – Building 3H/6H, located at 71 Shelton Avenue in New Haven, Connecticut. The following information is being transmitted to you as required by condition 18A of the Cabrera Materials License.

BACKGROUND

The former United Nuclear Corporation site, located at 71 Shelton Avenue, New Haven, CT, was decontaminated and decommissioned during 1973 through 1976 when work was transferred to a new facility in Montville, CT.

Subsequent characterization of the New Haven site in 2011 and 2012 identified discrete areas of residual highly enriched uranium (HEU) contamination from historic Naval Fuels activities comingled in the site soils and sediments underlying existing utility tunnels/trenches. The radionuclides contaminant of concern from HEU at this facility are U-234 & U-235.

The facility and overall site is currently owned by the General Electric Company and is undergoing clean-up under a cost-sharing arrangement with the US Department of Energy stemming from past government-related radiological work on-site.

The planned supplemental characterization survey & sampling related activities will be performed under the existing Characterization Survey Plan (CSP) and Cabrera's NRC Materials License 06-30556-01 (Amendment No. 06). Any required subsurface soils remediation will be conducted at a later time under separate notification.

WORK DETAILS

Cabrera will undertake a sub-surface direct-push sampling campaign to identify any residual HEU comingled in sub-surface soils & sediments. Sampling & on-site analysis activities will be conducted according to the established work plans for the site and supporting Cabrera procedures.

Sampling activities will include routine site radiological controls (including material control and accountability of special nuclear material [i.e., HEU]), asbestos-containing material (ACM) abatement and removal of floor tile of debris overlying planned sample locations, concrete core drilling, and soil sample collection utilizing direct-push technology core drilling.

It is estimated that 220 samples of soil and sediment each having a mass of approximately 500-1000 grams will be collected for on-site analysis by gamma spectrometry. Five percent (5%) of collected samples analyzed on-site will be sent to an off-site laboratory for QA comparison purposes.

Investigation Derived Wastes (IDW) will be handled in accordance with federal and state regulations. This includes on-site samples, small amounts of contaminated PPE/equipment (gloves, smears, used containers, air filters, etc.) and debris from necessary pre-sampling asbestos abatement activities. Cabrera will not take possession of any radioactive materials derived from the Site. It is estimated that one intermodal container (IMC) will be required to dispose of all samples, debris, and IDW from these supplemental characterization activities. The containerized low-activity radiological wastes will be transported in accordance with DOT requirements and; disposed of at Energy Solutions in Clive, UT - a licensed low-level radioactive waste disposal facility.

Daily QC of radiation detection instrumentation will be with NRC exempt sources. These sources will be controlled under the Cabrera NRC Materials License. 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.

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 September 2, 2014 with a completion of December 31, 2014.

Key project personnel with 24-hr phone & general contact information:

United Nuclear Corporation | 319 Great Oaks Blvd | Albany, NY 12203
Mr. John Uruskyj – UNC Project Manager | (518) 527-2943

Cabrera Services, Inc. | 473 Silver Lane | East Hartford, CT 06118
Mr. Rob Flowers, PMP, CHMM – Project Manager | (804) 833-7948
Mr. Greg Bright, – Deputy Project Manager | (781) 264-4445
Mr. Mike Winters, CHP – License RSO | (352) 610-2150
Mr. Hank Siegrist, PE, CHP – Project HP & NMC&A Lead | (860) 416-0196

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

08/15/2014, and to inform you that the initial processing which includes an administrative review has been performed.

06-30556-01 (Notification)

☒ 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** 584620
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader