



**CABRERA SERVICES**  
RADIOLOGICAL • ENVIRONMENTAL • REMEDIATION

*NOTES 3*

March 7, 2007

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

*030 35316*

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 is currently in use at one other site in Maryland. 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*  
Henry W. Siegrist, P.E., CHP  
Corporate Health Physicist

attachment

RECEIVED  
REGION I

2007 MAR -8 AM 10:38

*140181*

NMCC/RGN MATERIALS-002

**ATTACHMENT**  
**McGUIRE AFB BOMARC MISSILE FACILITY**  
**NEW EGYPT, NJ**  
**(March 2007)**

Cabrera Services, Inc. (CABRERA) is providing Final Status Survey (FSS) and remediation services addressing radioactive contamination present in soil at the BOMARC Missile Site located at McGuire AFB (Site). Contaminated soil removal will be accomplished using hand tools. Packaging of contaminated soil and remediation materials will be accomplished using approved waste containers and will be disposed of at an NRC licensed facility. Cabrera Services, Inc. (CABRERA) is contracted through the Air Force Center for Environmental Excellence (AFCEE), located at the Brooks City-Base, San Antonio, Texas to provide this support.

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

**BACKGROUND**

The United States Air Force (USAF) previously conducted radiological assessments that indicated small amounts of radioactive material are present in the upper levels of soil at the Site.

It is the intent of the USAF to have this residual radioactive material removed from the soil at the site and have a FSS performed to release the area. The USAF will maintain control of the soil and any accompanying radioactive material generated as a result of remediation and FSS work performed at the Site. CABRERA will not take possession of any radioactive materials derived from the Site.

**RADIOLOGICAL 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 Amendment 01, at the McGuire AFB BOMARC Missile Facility. The facility is located at Mile Marker 31, Rte 539 (Pinehurst Road) New Egypt, NJ 08533. As required by condition 18A of the CABRERA Materials License, the following information is provided:

Cabrera will utilize portable radiation detection equipment including a field gamma spectroscopy system along with a licensed radioactive 0.99 microcurie (0.99  $\mu$ Ci) Am-241 calibration source, and a licensed approximately 1.2 microcurie (1.2  $\mu$ Ci) mixed gamma calibration source also containing a small quantity of Am-241. One source is an Isotope Products Laboratories 5 mm diameter capsule type source with epoxy backing and an acrylic cover. The second source is a custom made Isotope Products multinuclide gamma calibration source distributed in an epoxy matrix and sealed in a plastic sample container having a volume of approximately 190 cm<sup>3</sup>. The sources will be used to provide calibration geometries to allow determination of soil radioactivity levels at various depths in the soil and to provide quantitative analyses of soil samples.

Any Investigation Derived Wastes (IDW) will be packaged, transported and disposed of in accordance with federal and state regulations. This includes onsite samples, remediated materials, and small amounts of contaminated PPE and equipment (gloves, smears, used air sample filters, etc.). Total volume of waste is expected to be less than 56 cubic yards. This volume includes waste generated during all site investigation conducted since the beginning of Site remediation activities and any waste generated as part of this scope of work. All IDW will

remain in the possession of the USAF. Waste shipping is expected to occur in the 4<sup>th</sup> quarter of 2007. 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.

The project work start date utilizing licensed radioactive calibration sources is on or about March 21, 2007. Work within this scope of remediation activity is expected to be completed prior to December 31, 2007.

Key project personnel and supporting information is available from:

Mr. King Mak McGuire AFB Project Manager  
305 CES/CEVR  
McGuire AFB  
DSN 650-3323  
Tele (609) 754-3323  
Fax (609) 754-2096

Mr. Daniel Caputo, Ph.D., CHP – CABRERA Vice President  
Cabrera Services, Inc.  
473 Silver Lane  
East Hartford, CT 06118  
Tele (860) 569-0095 ext 11

Mr. Mark Tepperman – CABRERA Senior Project Manager  
Cabrera Services, Inc.  
12000 Crownpoint Dr. Suite 150  
San Antonio, TX 78233  
Tele (210) 967-4300

Mr. Joe Weismann, CHP – CABRERA Technical Manager  
Cabrera Services, Inc.  
29 Railroad Avenue  
Middletown, NY 10940  
Tele (845) 956-0095

Mr. Henry Siegrist, P.E., CHP – CABRERA Corporate Health Physicist  
Cabrera Services, Inc.  
473 Silver Lane  
East Hartford, CT 06118  
Tele (860) 569-0095 ext 18

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 Amendment No. 1.

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

3/7/2007, 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** 140181.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.