



CABRERA SERVICES
RADIOLOGICAL • ENVIRONMENTAL • REMEDIATION

NMSB4

October 24, 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: Completion of job activities at temporary job site utilizing U.S. NRC Radioactive
Material License #06-30556-01

03035316

Dear Sir or Madam:

Cabrera Services Inc. (CABRERA) is providing this written notification regarding the completion of job activities at a temporary job site utilizing CABRERA Material License #06-30556-01 Amendment 01. The attached information is provided as required by license condition 18B.

If you should have any questions regarding this notification, please contact either Henry W. Siegrist or Daniel Caputo at CABRERA (860) 569-0095.

Sincerely,

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

attachment

2007 OCT 26 AM 10:42
RECEIVED
REGION 1

141241

NMSS/RGN1 MATERIALS-002

ATTACHMENT
COMPLETION OF 2007 ACTIVITIES AT
BOMARC MISSILE SITE, McGUIRE AIR FORCE BASE
NEW EGYPT, NEW JERSEY
(NRC Mail Control 140181)

Cabrera Services, Inc. (CABRERA) provided radiological remediation services addressing radioactive contamination present in soil at the BOMARC Missile Site located at McGuire AFB, New Egypt, NJ (Site). Contaminated soil collection and sampling was accomplished using various hand tools and occasionally a mechanized soil coring device. The removed soil was packaged and placed in soil analysis containers or approved waste containers for future disposal. 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.

The US Air Force (USAF) maintains control of the soil and any accompanying radioactive material. CABRERA did not take possession of any radioactive materials derived from the Site.

The following information is being transmitted to you as required by condition 18B of the CABRERA Materials License.

- (1) The radioactive material examined during remedial activities was Am-241. Soils were collected, analyzed, packaged onsite, and remained under the control of the USAF as part of the remediation activities. Some QA soil samples were sent to an offsite laboratory licensed to receive and analyze the samples.

All CABRERA onsite activities associated with this work evolution were completed by October 5, 2007.

- (2) CABRERA utilized portable radiation detection equipment that included gamma spectroscopy systems along with a licensed radioactive 0.99 microcurie (0.99 μ Ci) Am-241 calibration source and a licensed approximately 1.2 microcurie (1.2 μ Ci) mixed gamma calibration source also containing a small quantity of Am-241. The 0.99 μ Ci source is an Isotope Products Laboratories 5 mm diameter capsule type source with epoxy backing and an acrylic cover. The second source is a 1.2 μ Ci 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 cm³. The sources were used to provide calibration geometries allowing determination of soil radioactivity levels at various depths in the soil, to provide daily QC of radiation detection equipment, and to support quantitative analyses of soil samples.

These sources were removed from the Site on October 3, 2007 and returned to appropriate off site storage/use locations. Delivery of these non-exempt sources were confirmed by package tracking and email on October 4, 2007. The control of these sources constituted the only use of the CABRERA Material License at the BOMARC Missile Site during this work evolution.

- (3) All IDW and samples sent offsite for analysis were properly packaged and surveyed in accordance with all applicable local, state and federal regulations, including DOT Hazardous Materials Regulations. Contaminated IDW soils and associated waste materials such as gloves, booties, paper towel, plastic sheeting, etc. have been placed in approved waste containers (1 cubic yard supersack containers). The supersack containers will be loaded into Intermodal Containers (IMC)

for transport by rail at a future date. Soil and waste material containers were logged, numbered, and placed under the control of the USAF.

- (4) After completion of work activities, radiological surveys were conducted by CABRERA to ensure the absence of Am-241 contamination on equipment associated with remedial and sample collection activities.
- (5) Three (3) exempt quantity check sources and standards used to provide daily QC and efficiency checks of radiological monitoring and measuring equipment were removed from the BOMARC Missile Site on October 5, 2007. No CABRERA radioactive sources remain onsite.

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

10/24/2007, 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

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** 14124.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.