



**CABRERA SERVICES**  
RADIOLOGICAL • ENGINEERING • REMEDIATION

RECEIVED  
REGION 1  
2011 FEB - 8 AM 10: 58

February 7, 2011

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

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 03. The attached information is provided as required by license condition 18B.

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

Sincerely,

Henry Siegrist, CHP, P.E.  
Radiation Safety Officer

attachment

574378

NMSS/RGN1 MATERIALS-002

**ATTACHMENT  
COMPLETION OF ACTIVITIES  
TUBA CITY OPEN DUMP  
TUBA CITY, ARIZONA  
(NRC Mail Control 144196)**

Cabrera Services, Inc. (CABRERA) provided GPS-correlated site gamma survey and radiological screening with isotopic identification of monitoring wells, core borings and test pits at the Tuba City Open Dump (TCOD) located east of Tuba City, Arizona. The work entailed radiological protection controls and surveys in support of onsite work evolutions. An exempt radioactive source was utilized to calibrate gamma spectroscopy analysis equipment used to provide sample characterization analyses at the site. Other exempt sources were also used for daily QC of radiological instrumentation. The following information is being transmitted to you as required by condition 18.B of the CABRERA Materials License.

- (1) The radioactive material examined during the gamma survey and radiological screening of monitoring wells, core borings and test pits was natural uranium present as uranium ore. Soil samples were collected, prepared, and placed in appropriate containers and orientation for gamma spectroscopy analysis. The samples were analyzed onsite utilizing portable high purity germanium (HPGe) gamma spectroscopy equipment.
- (2) Investigation derived wastes (IDW) were controlled and handled in accordance with federal and state regulations. This included onsite samples, small amounts of contaminated PPE and equipment (gloves, smears, used containers, etc.). Brokering, waste manifesting, and ultimate disposal of all exhumed material was provided by the primary contractor. Cabrera did not take possession of any radioactive materials derived from the Site.
- (3) A fraction of the samples collected for analysis were sent to an outside radiological licensed laboratory for radiological analyses and QA duplicate analysis and were disposed of by the laboratory when analyses were completed.
- (4) Radiological surveys associated with this radiological screening were conducted by CABRERA after completion of work activities to ensure the absence of contamination on equipment associated with sampling. Regulatory Guide 1.86 values were utilized.
- (5) Four (4) exempt quantity check sources and standards used to provide routine daily QC and efficiency checks of radiological monitoring and measuring equipment. All sources were removed from the Site by November 11, 2009. No CABRERA radioactive sources remain on site.