



CABRERA SERVICES
RADIOLOGICAL • ENGINEERING • REMEDIATION

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REGION 1
2011 FEB - 8 AM 10:59

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
SEAPLANE LAGOON AT FORMER
NAVAL AIR STATION ALAMEDA PT
ALAMEDA, CA
(NRC Mail Control 144516)**

Cabrera Services, Inc. (CABRERA) provided radiological remediation, sample analysis, and final status survey support at the Installation Restoration Site 17 (IR 17), Seaplane Lagoon, (Site) located at the former Naval Air Station Alameda Point (NAS), Alameda, California. The work included collecting samples, providing gamma screening of soils, handling and storage of low level radioactive waste (LLRW), and air sampling. A swipe counting system and portable radiation detection equipment using exempt radioactive sources was utilized for daily source checks of equipment. LLRW containing potentially small quantities of radioactive material were generated and stored at the project site. These materials were generated during sampling operations conducted in the lagoon. Dredging operations were delayed and did not occur during this work evolution. The following information is being transmitted to you as required by condition 18A of the CABRERA Materials License.

- (1) The radioactive material of interest generated during the radiological remediation, sample analysis, and final status survey included Ra-226 as well as the potential for small quantities of long-lived fission products Sr-90 and Cs-137.
- (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.). All IDW was containerized and moved to an area under the control of the Navy. Cabrera did not ship any materials for disposal and 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 laboratory for radiological analyses, QA duplicate analysis, and chemical/metals analysis. The samples 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) MARSSIM surveys were used for release of the IDW storage area after containerized materials stored at the location were moved to a Navy controlled storage area.
- (6) Three (3) exempt quantity check sources were used to provide routine daily QC and efficiency checks of radiological monitoring and measuring equipment. All containerized waste and sources were removed from the Site by September 9, 2010. No CABRERA radioactive sources remain on site.