



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-4005**

October 17, 2005

MACTEC Engineering & Consulting, Inc.
ATTN: George T.S. How
Radiation Safety Officer
98-1247 Kaahumanu Street, Suite 305
Aiea, Hawaii 96701

SUBJECT: TERMINATION OF YOUR NRC RADIOACTIVE MATERIALS LICENSE

On July 22, 2005, you contacted the U.S. Nuclear Regulatory Commission and indicated that you wished to terminate your NRC radioactive materials license. The NRC staff has reviewed your sealed source leak test results. Based on its review, the staff has concluded that all licensable radioactive material has been removed from your facility and residual radioactive material attributable to licensed activities does not exceed current NRC criteria.

Based on these conclusions no further remediation or actions with respect to NRC regulated material is required. Your facility is suitable for unrestricted use and NRC license number 53-27710-01 for your facility at 98-1247 Kaahumanu Street, Aiea, Hawaii is hereby terminated.

If you have questions or require clarification on any of the information stated above, please contact me at (817) 860-8252.

Sincerely,

/RA/

Anthony D. Gaines, Senior Health Physicist
Nuclear Materials Licensing Branch

Docket: 030-35819
License: 53-27710-01
Control: 470648

Enclosures: As stated

Materials License Termination/Retirement Form

LICENSE #: 53-27710-01

DOCKET #: 030-35819

LICENSEE: MACTEC Engineering &
Consulting, Inc.

EXPIRATION DATE: 10/31/2011

DATE OF CONTACT: 7/22/2005

CONTACTED BY: George T.S. How

ADDRESS: 98-1247 Kaahumanu Street,
Suite 305
Aiea, Hawaii 96701

TITLE: Radiation Safety Officer

TELEPHONE: 808-486-7184

LICENSE TERMINATED: X

BASIS FOR TERMINATION AND/OR RETIREMENT:

All portable gauges containing Radioactive Material were transferred to a licensed individual and leak test indicate that the sources were not leaking.

TERMINATION DOCUMENTATION

1. License termination meets Group I criteria: Y X N

 X Licensee used sealed sources only and the most recent leak test demonstrates that they did not leak while in the licensee's possession

 Licensee used radioactive material with $T_{1/2}$ # 120 days and it has decayed to less than the activity in 10 CFR Part 20, Appendix C, and the licensee's survey performed in accordance with 10 CFR Part 30.36 does not identify any residual levels of radiological contamination greater than decommissioning screening criteria

2. License termination meets Group II criteria: Y N X

 Licensee possessed and used only sealed sources but cannot demonstrate that the sources did not leak while in the licensee's possession

 Licensee possessed unsealed radioactive material with $T_{1/2}$ # 120 days and can demonstrate compliance with 10 CFR Part 20.1402 ("Radiological Criteria for Unrestricted Use") using screening methodologies described in NUREG-1757 Vol. 1

3. Termination survey required: Y _____ N __X__

_____ Termination survey submitted by licensee

_____ Termination survey satisfies NRC survey requirements

4. Form 314 or equivalent submitted: Y __X__ N _____

__X__ Staff verified disposition of sealed sources or unsealed radioactive material by:

__X__ letter from Form 314 recipient

_____ call to Form 314 recipient

5. Licensee transfer records discussed in 10 CFR Parts 30.35, 30.36, 30.51; 40.36, 40.42, 40.61; or 70.25, 70.38, 70.51 Y _____ N __X__

_____ to USNRC

_____ To individual assuming responsibility for the license, with a copy of the cover letter to NRC

6. NRC closeout inspection required: Y _____ N __X__

_____ Closeout inspection performed:

on:

Inspector:

7. Closeout survey performed: Y _____ N __X__

on:

by:

Licensing staff /RA/
completing form: Anthony D. Gaines

Date: 10/17/2005

Branch Chief: _____

Date:

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
53-27710-01Docket or Reference Number
030-35819

Amendment No. 02

MACTEC Engineering & Consulting, Inc.
98-1247 Kaahumanu Street, Suite 305
Aiea, Hawaii 96701

In accordance with letter dated July 22, 2005, License No. 53-27710-01 is hereby terminated.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

*/RA/*Date October 17, 2005

By

Anthony D. Gaines, Senior Health Physicist
Nuclear Materials Licensing Branch
Region IV
Arlington, Texas 76011