



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION IV

611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TEXAS 76011-8064

January 18, 2000

City and County of Honolulu  
Board of Water Supply  
ATTN: Glenn Oyama  
Radiation Protection Officer  
630 S. Berentania  
Honolulu, Hawaii 96843

SUBJECT: LICENSE AMENDMENT NO. 7

Please find enclosed Amendment No. 7 to License No. 53-16592-01. You should review this license carefully and be sure that you understand all conditions. If you have any questions, you may contact me at (817) 860-8197.

NRC expects licensees to conduct their programs with meticulous attention to detail and a high standard of compliance. Because of the serious consequences to employees and the public that can result from failure to comply with NRC requirements, you must conduct your radiation safety program according to the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate by NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers: Inspection and Investigations," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC in writing of any change in mailing address.
3. By 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license:
  - a. When you decide to terminate all activities involving materials authorized under the license; or
  - b. If you decide not to complete the facility, acquire equipment, or possess and use authorized material.

4. Request and obtain a license amendment before you:
  - a. Change Radiation Safety Officers;
  - b. Order byproduct material more than the amount or form authorized on the license;
  - c. Add or change the areas or address(es) of use identified in the license application or on the license; or
  - d. Change the name or ownership of your organization.
  
5. Submit a complete renewal application or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.

In addition, please note that NRC Form 313 requires the applicant, by signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

NRC will periodically inspect your radiation safety program. Failure to conduct your program according to NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC may result in enforcement action against you. This could include issuance of a notice of violation; imposition of a civil penalty; or an order suspending, modifying, or revoking your license as specified in the "General Statement of Policy and Procedure for NRC Enforcement Actions" (Enforcement Policy), NUREG 1600.

Thank you for your cooperation.

Sincerely,

**[Original signed by Jack E. Whitten]**

Jack E. Whitten  
Senior Health Physicist  
Nuclear Materials Licensing Branch

Docket: 030-11294  
License: 53-16592-01  
Control: 467659

Enclosures: As stated

DOCUMENT NAME: P:\LTR\Cover\City & County of Honolulu.wpd

To receive copy of document, indicate in box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

RIV:NMLB	N						
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OFFICIAL RECORD COPY

License: 53-16592-01

Amendment: 07

Docket: 030-11294

Licensee: City and County of Honolulu  
Honolulu, Hawaii 96843

Certification of Application Review for a Part 30, 40, and 70 License

I certify that I have reviewed the letter dated December 20, 1999, as supplemented by any letters referenced in the license in accordance with guidance provided by the Office of Nuclear Materials Safety and Safeguards applicable Standard Review Plan and associated checklist and have concluded that:

A. If the license is being terminated, I have received adequate documentation to demonstrate that all radioactive materials and contamination possessed under this license has been properly removed and the licensee's facilities are suitable for unrestricted use, or that the radioactive material is covered by another valid license.

B. For a  new license,  amendment, or  renewal:

- (1) The application is for a purpose authorized by the Act;
- (2) The applicant's proposed equipment and facilities are adequate to protect health and minimize danger to life or property;
- (3) The applicant is qualified by training and experience to use the material for the purpose requested in such manner as to protect health and minimize danger to life;
- (4) The applicant satisfies any special requirements contained in Parts 32-40 and 70; and
- (5) The application is not for commercial waste disposal by land burial or for any other activity which the Commission has determined will significantly affect the quality of the environment.

January 18, 2000

Jack E. Whitten  
Senior Health Physicist

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. City &amp; County of Honolulu Board of Water Supply</p> <p>2. 630 S. Beretania Honolulu, Hawaii 96843</p>	<p>In accordance with letter dated December 20, 1999</p> <p>3. License number 53-16592-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date February 28, 2001</p> <hr/> <p>5. Docket No. 030-11294 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Americium-241</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed neutron source (Gammatron, Inc. Model AN-HP or Nuclear Sources &amp; Services, Inc. Model AN-HP)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 3.1 curies</p>
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9. Authorized use
- A. For use in well logging of water wells.

**CONDITIONS**

10. Radioactive materials shall be used only at the following:
- A. The Honolulu Board of Water Supply, Kalihi Tunnel Storage Facility, 2442 Kini Place, Honolulu, Hawaii
  - B. Temporary job sites anywhere in the State of Hawaii where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction.

If the jurisdiction status of a Federal facility within the State of Hawaii is unknown, the licensee should contact the Federal agency controlling the jobsite in question to determine whether the proposed jobsite is in an area of exclusive Federal jurisdiction.

11. The licensee shall not vacate or release to unrestricted use a field office or storage location whose address is identified in Condition 10, without prior U.S. Nuclear Regulatory Commission approval.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
53-16592-01Docket or Reference Number  
030-11294

Amendment No. 07

12. A. Licensed material shall only be used by, or under the supervision and in the physical presence of, Glen H. Oyama, Kevin L. Gooding, or individuals who have received the training specified in a letter dated March 21, 1995.
- B. The Radiation Protection Officer for this licensee is Glenn H. Oyama.
13. Sealed sources containing licensed material shall not be opened.
14. Notwithstanding the requirements of Section 39.35, the requirement does not apply to sources, except sources containing plutonium, that are stored and not being used. The sources exempted from this periodic test shall be tested for before use or transfer to another person. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
15. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
16. The licensee shall immediately notify the appropriate NRC Regional Office by telephone if a sealed source becomes lodged below the surface and when it becomes apparent that efforts to recover the sealed source will not be successful. Additionally, a written report shall be submitted within thirty days for the lost or abandoned source which shall include information regarding the isotope, amount, location, depth, method of immobilization, sealing, placarding, and notations to be placed in public records. The licensee shall not abandon the sealed source without obtaining the Commission's prior written consent.
17. Each source holder or logging tool containing radioactive material shall bear a legible and visible marking as specified in 10 CFR 39.31(a). The label must be on the smallest component that contains the licensed material which is transported as a separate piece of equipment.

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18. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Letter dated September 22, 1980
- B. Letter dated July 26, 1989
- C. Letter dated April 25, 1990
- D. Application dated August 31, 1990
- E. Letter dated December 5, 1990
- F. Letter dated January 25, 1995
- G. Letter dated January 27, 1995
- H. Letter dated March 21, 1995
- I. Letter dated September 13, 1996
- J. Two facsimiles dated January 31, 1997
- K. Letter dated December 20, 1999
- L. Facsimile dated January 18, 2000



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date January 18, 2000By **[Original signed by Jack E. Whitten]**  
Jack E. Whitten, Senior Health Physicist  
Nuclear Materials Licensing Branch  
Region IV  
Arlington, Texas 76012