

## ACCEPTANCE REVIEW MEMO

Licensee: City & County of Honolulu, Brd of Water Supply

License No.: 53-14057-01

Docket No.: 030-07713

Mail Control No.: 470773

Type of Action: Term Date of Requested Action: 11-21-05

Reviewer Assigned: Date Assigned to Reviewer: 11-30-05

Reviewer(s) Who Performed Review: Torres

Response Received	Deficiencies Noted During Acceptance Review
	1.
	2.
	3.
	4.

Reviewer's Initials: \_\_\_\_\_

Date: \_\_\_\_\_

Branch Chief's and/or SR. HP's Initials: \_\_\_\_\_

Date: \_\_\_\_\_

- ☐ Yes ☐ No Action - decommissioning notification should be issued within 30 days.
- ☐ Yes ☐ No Termination request < 90 days from date of expiration
- ☐ Yes ☐ No Action to be expedited
- \_\_\_\_\_ Medical emergency
- \_\_\_\_\_ Licensee in noncompliance (i.e. no RSO, location of use/storage not on license, radioactive material in possession not on license)
- \_\_\_\_\_ National Security
- \_\_\_\_\_ Other (\_\_\_\_\_)

Branch Chief's and/or Sr. HP's Initials: \_\_\_\_\_

Date: \_\_\_\_\_

### SISP Review

☐ Yes ☒ No

Non-Publicly Available, Sensitive if any item below is checked

- \_\_\_\_\_ Radionuclides, forms, and quantities
- \_\_\_\_\_ Location of RAM
- \_\_\_\_\_ Building drawings with locations of RAM
- \_\_\_\_\_ Security of RAM (locks, alarms, etc.)
- \_\_\_\_\_ SS&D Catalog information
- \_\_\_\_\_ Specifics of Emergency Plan (routes to and from RAM, response to security events, etc.)
- \_\_\_\_\_ Safeguards Information

Branch Chief's and/or Sr. HP's Initials: PTC

Date: 11/30/05

## BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU  
630 SOUTH BERETANIA STREET  
HONOLULU, HI 96843



MUFI HANNEMANN, Mayor

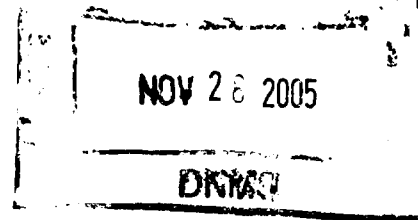
RANDALL Y. S. CHUNG, Chairman  
HERBERT S. K. KAOPUA, SR.  
SAMUEL T. HATA  
ALLY J. PARK

RODNEY K. HARAGA, Ex-Officio  
LAVERNE HIGA, Ex-Officio

DONNA FAY K. KIYOSAKI  
Deputy Manager and Chief Engineer

November 21, 2005

Material Radiation Protection Section  
US Nuclear Regulatory Commission, Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, Texas 76011-8084



Subject: TERMINATION OF SPECIAL NRC LICENSE NO. 53-14057-01,  
DOCKET 030-07713, EXPIRING ON MAY 31, 2011

We request termination of our special NRC license, number 53-14057-01, docket 030-07713, which expires on May 31, 2011. Enclosed is a completed NRC form 314, along with a copy of the 26 February 1997 letter from Beth A. Prange of the NRC Walnut Creek Field Office that details special license termination terms and procedures.

To fulfill the terms and procedures, enclosed are:

1. Documentation of transfer to Hewlett-Packard Company of two of three electron capture detectors described on our special license, serial nos. C2110 and C1847, along with a copy of each unit's final leak test results prior to their transfer. → 6L
2. Documentation of transfer to Agilent Technologies, Inc of the third and final electron capture detector described on our special license, serial no. L4147, along with a copy of this unit's final leak test results prior to its transfer. → SL

There has never been a leak test result that indicates a leaking source at our facility.

If you have questions, please contact Ron Fenstemacher PhD, Chief Chemist, at (808) 748-5841 and (808) 550-5077 fax.

Thank you for your time and attention to this matter.

Very truly yours,

*R. Fenstemacher*

R. Fenstemacher PhD  
CHIEF CHEMIST

Enclosures

Rf:cg

## CERTIFICATE OF DISPOSITION OF MATERIALS

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [infocollects@nrc.gov](mailto:infocollects@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

## LICENSEE NAME AND ADDRESS

City and County of Honolulu  
Board of Water Supply  
Chemistry Laboratory  
630 South Beretania Street  
Honolulu, Hawaii 96843

## LICENSE NUMBER

53-14057-01

## DOCKET NUMBER

030-07713

## LICENSE EXPIRATION DATE

May 31, 2011

- ☐ This license has expired. ☒ **A. LICENSE STATUS (Check the appropriate box)** This license has not yet expired; please terminate it.

**B. DISPOSAL OF RADIOACTIVE MATERIAL**

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

- ☐ 1. No radioactive materials have ever been procured or possessed by the licensee under this license.
- ☒ 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner:
- ☒ a. Transfer of radioactive materials to the licensee listed below:  
Agilent Technologies, Inc., 2850 Centerville Road, Wilmington, DE 19808  
Individual Contact: David Bennett, RSO, Phone: 302-633-8262, NRC Lic.#07-28762-01 Exp: Nov 30, 2012
- ☐ b. Disposal of radioactive materials: Date of transfer: November 7, 2005.
- ☐ 1. Directly by the licensee:
- ☐ 2. By licensed disposal site:
- ☐ 3. By waste contractor:
- ☐ c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

**C. SURVEYS PERFORMED AND REPORTED**

- ☐ 1. A radiation survey was conducted by the licensee. The survey confirms:
- ☐ a. the absence of licensed radioactive materials
- ☐ b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
- ☐ 2. A copy of the radiation survey results:
- ☐ a. is attached; or ☐ b. is not attached (Provide explanation); or ☐ c. was forwarded to NRC on: \_\_\_\_\_ Date \_\_\_\_\_
- ☒ 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and
- ☒ a. The results of the latest leak test are attached; and/or ☒ b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS
Ron Fenstermacher	RSO, Chief Chemist	(808) 748-5841	<a href="mailto:rfenstermacher@hbws.org">rfenstermacher@hbws.org</a>

Mail all future correspondence regarding this license to:  
City & County of Honolulu, Board of Water Supply, Chemistry Lab, 630 S. Beretania St., Honolulu, HI 96843

**C. CERTIFYING OFFICIAL**

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE

R. FENSTERMACHER CHIEF CHEMIST

SIGNATURE

R. Fenstermacher

DATE

21 November 2005

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.



2850 Centerville Road  
Wilmington, DE 19808

City of Honolulu  
Board of Water Supply  
Attn: Ron Fenstermacher  
630 S. Beretania  
Honolulu HI 96843

11/09/05

Deleted: ¶  
Date: ¶

Reference: **Receipt of Radioactive Device(s)**

To Whom It May Concern:

This letter is to notify you that the Electron Capture Detector(s) listed below have been returned to, and are in possession of, Agilent Technologies Inc., 2850 Centerville Road, Wilmington, DE 19808, USA for further disposition.

Serial Number	Model Number	Date Received	Local Visa Number
L4147	19235-69530	11/07/05	NA

Please understand that this letter does not relieve you of your responsibility to notify either your state nuclear regulatory agency (if you reside in an Agreement State) or the Nuclear Regulatory Commission (if you do not) of the transfer in accordance with 10 CFR 31.5 (c) (8) (i) and (ii).

Please contact your local Agilent Technologies, Inc. service representative if you have any questions.

Regards,

David S. Bennett  
Radiation Safety Office, U.S. Operations

Document Owner: David S. Bennett  
Revision Date: 7/28/03

# NATIONAL LEAK TEST CENTER

NLIC Industries, Inc.  
P.O. Box 1488, W. Tonawanda, NY 14120  
Phone 716-693-0550      TIN 16-1234141

DATE: 10/27/2005

INVOICE NO. 33337

CUSTOMER NUMBER: 10140

**RECEIVED**  
**BUSINESS DEVELOPMENT**

PURCHASE ORDER: Prepaid MC

SHIP TO:

MR ERWIN KEWATA  
BOARD OF WATER SUPPLY  
CITY & COUNTY OF HONOLULU  
530 S BERETANIA ST  
HONOLULU HI 96843

2005 OCT 31 P 1:47

ACCTS PAYABLE  
BOARD OF WATER SUPPLY  
CITY & COUNTY OF HONOLULU  
530 S BERETANIA ST  
HONOLULU HI 96843

DESCRIPTION	QUANTITY	PRICE	EXTENSION	TOTAL DUE
NI-63 LEAK TEST	2	\$50.00	\$100.00	
		Sales Tax	\$0.00	\$100.00

\* \* LEAK TEST CERTIFICATE \* \*

NUMBER OF SAMPLES: 6

TEST METHOD: DRY WIPE

RADIONUCLIDE AS IDENTIFIED BY CUSTOMER IS NICKEL-63

ANALYSED FOR BETA CONTAMINATION USING WINDOWLESS PROPORTIONAL COUNTER

SAMPLES TAKEN BY CUSTOMER

ANALYSED BY L KEATING

**PAID**  
10/27/05  
*[Signature]*

\* \* TEST RESULTS \* \*

DEVICE I D	SAMPLE I D	MICROCURIES/SAMPLE	PASS/FAIL
HP s/n L4147	Entrance	< 13 x 10E-6	PASS
HP s/n L4147	Housing	< 13 x 10E-6	PASS
HP s/n L4147	Exit	< 13 x 10E-6	PASS
HP s/n K3556	Entrance	< 13 x 10E-6	PASS
HP s/n K3556	Housing	< 13 x 10E-6	PASS
HP s/n K3556	Exit	< 13 x 10E-6	PASS

LIMIT IS 5000 x 10E-6 MICROCURIES PER DEVICE

TESTED UNDER NYS DOL LICENSE #2323-3124

DATE: 10/27/2005

SIGNED BY

*[Signature]*  
HEALTH PHYSICIST

PAGE 1 OF 1

47077.3

**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>Licensee</p> <p>1. City and County of Honolulu Board of Water Supply</p> <p>2. Chemistry Laboratory 630 South Beretania Street Honolulu, Hawaii 96843</p>	<p>In accordance with application dated January 22, 2001</p> <p>3. License number 53-14057-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date <u>May 31, 2011</u></p> <p>5. Docket No. <u>030-07713</u></p> <p>Reference No. _____</p>
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Nickel 63</p>	<p>7. Chemical and/or physical form</p> <p>A. Foils or plated sources registered either with NRC under 10 CFR 32.210 or with an Agreement State and incorporated in a compatible gas chromatograph as specified in Item 9 of this license</p> <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. No single source to exceed the maximum activity specified in the certificate of registration issued by NRC or an Agreement State</p>

## 9. Authorized use:

- A. To be used, for sample analysis in compatible gas chromatography devices that have been registered either with NRC under 10 CFR 32.210 or with an Agreement State and have been distributed in accordance with an NRC or Agreement State specific license authorizing distribution to persons specifically authorized by an NRC or Agreement State license to receive, possess, and use the devices.

**CONDITIONS**

10. Licensed material shall be used only at 630 S. Beretania Street; Honolulu, Hawaii, 96843.
11. A. Licensed material shall be used by, or under the supervision of, Erwin M. Kawata or Roland J. Fenstermacher.
- B. The Radiation Safety Officer for this license is Roland J. Fenstermacher.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
53-14057-01Docket or Reference Number  
030-07713

Amendment No. 07

12. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or by an Agreement State.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or under equivalent regulations of an Agreement State prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested and the test results received.
- C. Sealed sources need not be leak tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain no more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material.
- D. Sealed sources need not be leak tested if they are in storage and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- E. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(b)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region IV, 611 Ryan Plaza Drive, Suite 400, Arlington, Texas 76011, ATTN: Director, Division of Nuclear Materials Safety. The report shall specify the source involved, the test results, and corrective action taken.
- F. Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
- G. Records of leak test results shall be kept in units of microcuries and shall be maintained for 3 years.
13. Maintenance, repair, cleaning, replacement, and disposal of foils contained in detector cells shall be performed only by the device manufacturer or other persons specifically authorized by the Commission or an Agreement State to perform such services.
14. A. Detector cells containing a titanium tritide foil or a scandium tritide foil shall only be used in conjunction with a properly operating temperature control mechanism which prevents the foil temperature from exceeding that specified in the certificate of registration issued by the NRC pursuant to 10 CFR 32.210 or equivalent regulations from an Agreement State.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
53-14057-01Docket or Reference Number  
030-07713

Amendment No. 07

- B. When in use, detector cells containing a titanium tritide foil or a scandium tritide foil shall be vented to the outside.
15. Detector cells containing licensed material shall not be opened or the sources removed from the detector cell by the licensee.
16. The licensee shall conduct a physical inventory every six (6) months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and /or devices received and possessed under the license. Records of the inventories shall be maintained for five (5) years from the date of each inventory, and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
17. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
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. Application dated January 22, 2001
- B. Facsimile dated May 21, 2001

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date May 23, 2001

By

*James L. Montgomery*  
James L. Montgomery  
Nuclear Materials Licensing Branch  
Region IV  
Arlington, Texas 76011





UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV

Walnut Creek Field Office  
1450 Maria Lane  
Walnut Creek, California 94596-5368

FEB 26 1997

City and County of Honolulu  
Board of Water Supply  
Chemistry Laboratory  
ATTN: Roland J. Fenstemacher, Ph.D.  
Chief Chemist  
630 S. Beretania Street  
Honolulu, Hawaii 96843

SUBJECT: LETTER DATED FEBRUARY 13, 1997

This is in reference to your letter dated February 13, 1997 and to your telefacsimile dated February 25, 1997.

After reviewing your letter, telefacsimile, license file, and the Registry of Radioactive Sealed Sources and Devices, we have determined that no license amendment is needed at this time. The Hewlett-Packard model 19235 gas chromatograph which you still possess is currently listed on your specific license. The new model G1533A gas chromatograph is covered under the general license in 10 CFR 31.5, copy enclosed. You should follow the requirements included in that portion of the regulations, with regard to possession and use of the model G1533A cell. Documentation of the transfer of the two units which were returned to Hewlett-Packard should be maintained in your files until your specific license is terminated.

When your last specifically-licensed unit is returned to the manufacturer, you should complete the enclosed NRC Form 314, requesting license termination. With your submittal, include documentation of the shipment of the units described on the specific license. Also, include copies of the final leak tests for the units prior to transfer, and state whether or not there have ever been leaking sources at your facility. If so, provide a close-out survey to verify that no contamination remains. After review and approval of your submittal, a license termination will be issued. You may still possess gas chromatographs under the general license in 10 CFR 31.5.

If you have any questions or concerns relating to these matters, I can be reached at (510) 975-0250.

Sincerely,

*Beth A. Prange*

Beth A. Prange  
Sr. Health Physicist (Licensing)  
Materials Branch

Enclosures: As stated

Docket: 030-07713  
License: 53-14057-01

Hewlett-Packard Company  
Little Falls Site  
2850 Centerville Rd  
Wilmington, De. 19808

302-633-8000



January 20, 1997

Roland Fenstermacher, PhD

City and County of Honolulu

630 South Beretania St

Honolulu, Hawaii 96843

Re: Acknowledgment of Receipt of Electron Capture Detector

Dear Customer,

This is to acknowledge that Electron Capture Detector(s), Serial Number(s),

\_\_\_\_\_C2110 & C1847

were received on 1/20/97 and are in possession of the

Hewlett-Packard Company, Wilmington, De. U.S.A.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Peter Johnson".  
Hewlett Packard Company  
NRC License No. 07-28762-01

# NATIONAL LEAK TEST CENTER

NLTC Industries, Inc.

P.O. Box 1480, N. Tonawanda, NY 14120

Phone 716-693-0550      TIN 16-1234141

DATE: 9/24/96

INVOICE NO. 18944

CUSTOMER NUMBER: 10140

PURCHASE ORDER: R8572

SHIP TO:

MR ERWIN KAWATA  
BOARD OF WATER SUPPLY  
CITY & COUNTY OF HONOLULU  
630 S BERETANIA ST  
HONOLULU HI 96843

BILL TO:

ACCTS PAYABLE  
BOARD OF WATER SUPPLY  
CITY & COUNTY OF HONOLULU  
630 S BERETANIA ST  
HONOLULU HI 96843

DESCRIPTION	QUANTITY	PRICE	EXTENSION	TOTAL DUE
NI-63 LEAK TEST	3	\$50.00	\$150.00	
		Sales Tax	\$0.00	\$150.00

\* \* LEAK TEST CERTIFICATE \* \*

NUMBER OF SAMPLES: 9

TEST METHOD: DRY WIPE

RADIONUCLIDE AS IDENTIFIED BY CUSTOMER IS NICKEL-63

ANALYSED FOR BETA CONTAMINATION USING WINDOWLESS PROPORTIONAL COUNTER

SAMPLES TAKEN BY CUSTOMER

ANALYSED BY L KEATING

\* \* TEST RESULTS \* \*

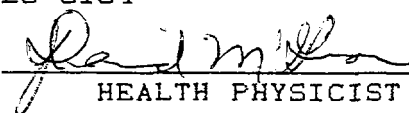
DEVICE I D	SAMPLE I D	MICROCURIES/SAMPLE	PASS/FAIL
HP s/n L4147	Entrance	< 15 x 10E-6	PASS
HP s/n L4147	Housing	< 15 x 10E-6	PASS
HP s/n L4147	Exit	< 15 x 10E-6	PASS
HP s/n C2110	Entrance	< 15 x 10E-6	PASS
HP s/n C2110	Housing	15 x 10E-6	PASS
HP s/n C2110	Exit	< 15 x 10E-6	PASS
HP s/n C1847	Entrance	< 15 x 10E-6	PASS
HP s/n C1847	Housing	< 15 x 10E-6	PASS
HP s/n C1847	Exit	< 15 x 10E-6	PASS

LIMIT IS 5000 x 10E-6 MICROCURIES PER DEVICE

TESTED UNDER NYS DOL LICENSE #2323-3164

DATE: 9/24/96

SIGNED BY

  
HEALTH PHYSICIST

PAGE 1 OF 1

773

DEC - 2 1 0  
DATE

This is to acknowledge the receipt of your letter/application dated 11/21/05, and to inform you that the initial processing, which includes an administrative review, has been performed.

☒ There were no administrative omissions. Your application will be 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:

The action you requested is normally processed within 90 days.

☐ 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 470773.  
When calling to inquire about this action, please refer to this mail control number.  
You may call me at 817-860-8103.

Sincerely,

*Colleen Murnahan*

Licensing Assistant



7002 0860 0004 3274 1732

0000

76011

\$4.86  
00018975

RETURN RECEIPT  
REQUESTED



BOARD OF WATER SUPPLY

City and County of Honolulu  
630 South Beretania Street  
Honolulu, Hawaii 96843

*Colleen Murnahan*

Material Radiation Protection Section  
US Nuclear Regulatory Commission, Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, Texas 76011-8084

RETURN RECEIPT  
REQUESTED

