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MASA FUJIOKA & ASSOCIATES

A PROFESSIONAL PARTNERSHIP

ENVIRONMENTAL • GEOTECHNICAL • HYDROGEOLOGICAL CONSULTANTS 98-021 Kamehameha Highway, #337 • Aiea, Hawaii • 96701-4914
Phone 808 484-5366 • Fax 808 484-0007

July 11, 2012

Nuclear Materials Licensing Branch United States Nuclear Regulatory Commission, Region IV 612 E. Lamar Blvd., Suite 400 Arlington, Texas 76011-4125

RECEIVED

JUL 2 5 2012

Subject:

License Renewal Application

License No. 53-29043-01

Expiration Date - September 30, 2012

DNMS

Dear Licensing Branch:

Masa Fujioka & Associates (MFA) is pleased to formally request a renewal of the above referenced license. We have attached the NRC Form 313 as instructed in your letter dated July 2, 2012. In addition to attaching this form MFA provides the following information/comments for the following items:

A. NRC Form 313, Item 5 - Radioactive Material

Radioisotope	Manufacturer and Model No.	Quantity		
Cesium-137	Sealed sources (Campbell Pacific Nuclear MC-1 DRP)	Not to exceed 10 millicuries per source and 40 millicuries total		
Americium-241	Sealed neutron sources (Campbell Pacific Nuclear MC-1 DRP)	Not to exceed 50 millicuries per source and 200 millicuries total		

B. NRC Form 313, Item 6 - Purposes for Which Licensed Material will be Used

The authorized use for Campbell Pacific Nuclear Model MC-1 DRP Series portable gauges is to measure properties of construction materials. MFA has four portable density nuclear gauges (all MC-1 DRP models).

C. NRC Form 313, Item 7 – Individuals Responsible for Radiation Safety Program and their Training Experience

Jayson S. Mitsuyoshi is presently the Radiation Safety Officer (RSO) for MFA. He has completed the CPN training course entitled *Radiation Safety Officer Seminar for Nuclear Gauges* on September 2008 in Reapolei, Hawaii.

	Normal Release	
NON	-PUBLIC	
	A.3 Sensitive-Security	Related
	A.7 Sensitive Internal	
	Other:	
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Nuclear Materials Licensing Branch

May 3, 2002

Page 2

D. NRC Form 313, Item 8 - Training for Individuals Working in or Frequenting Restricted Areas

To date, before using licensed materials, authorized users have successfully completed one of the training courses described in Criteria in the section entitled "Training of Individuals Working in or Frequenting Restricted Areas" in NUREG-1556, Volume 1, Revision 1, dated November 2001. MFA's RSO conducts in-house training for all employees using the portable nuclear gauges, and prepares and maintains documentation of training.

MFA instructors will have the following minimum qualifications:

- 1. Bachelor's degree in a physical or life science or engineering
- 2. Successful completion of portable gauge user course (for models used by MFA)
- 3. Successful completion of an 8-hour radiation safety training course
- 4. Eight hours hands-on experience with portable gauges

The following minimum items will be included in the course content:

- Two hours of radiation safety and regulatory requirements, emphasizing practical subjects important to safe use of the gauge; radiation vs. contamination; internal vs. external exposure; ALARA concept; use of time, distance, and shielding to minimize exposure; control and surveillance of gauges; location of sealed source within portable gauge; inventory; recordkeeping; incidents; licensing and inspection by regulatory agency; need for complete and accurate information; employee protection; deliberate misconduct.
- Two hours of practical explanation of portable gauge theory and operation; operating, emergency, maintenance, and transportation procedures, and field training emphasizing radiation safety and including test runs of: setting up and making measurements with the gauge, controlling and maintaining surveillance over the portable gauge, performing routine cleaning and lubrication, packaging and transporting the gauge, storing the gauge, and following emergency procedures.

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Page 3

E. NRC Form 313, Item 9 - Facilities and Equipment

Not required to submit information at this time.

F. NRC Form 313, Item 10 - Radiation Safety Program

- Survey Instruments MFA possesses survey meters that meet the criteria in the section entitled "Radiation Safety Program Instruments" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001. Specifically, MFA uses two instruments from SE International (Monitor 4, Serial Numbers 25949, and 71489). These survey meters are calibrated annually by SE International.
- Material Receipt and Accountability Physical inventories will continue to be conducted at intervals not to exceed six months to account for all sealed sources and devices received and possessed under the license.
- 3. Occupational Dosimetry MFA will continue to maintain documentation demonstrating that unmonitored individuals are not likely to receive a radiation dose in excess of 10 percent of the allowable limits in 10 CFR Part 20. This is accomplished by using our calibrated survey meters to collect readings in and around the nuclear gauge storage area each December (when annual audit is conducted).
- 4. Operating and Emergency Procedures Operating and emergency procedures have been developed, implemented, and maintained to meet the criteria in the section entitled "Radiation Safety Program Operating and Emergency Procedures" in NUREG 1556, Vol. 1, Rev. 1, dated November 2001. Copies of these procedures are maintained with the RSO (as part of the Radiation Safety Plan) as well as kept with each nuclear gauge.
- 5. <u>Leak Test</u> Leak tests will continue to be completed annually by an organization authorized by the NRC to provide leak testing services. Currently, leak tests are submitted to InstroTek Inc. for analysis.
- 6. <u>Maintenance</u> MFA will continue to implement and maintain procedures for routine maintenance of our gauges according to the manufacturer's recommendations. We will ship the gauges to the manufacturer to perform non-routine maintenance or repair operations (that includes the removal of the source or source rod from the gauge).

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Nuclear Materials Licensing Branch

May 3, 2002

Page 4

G. NRC Form 313, Item 11 - Waste Management

Not required to submit information at this time.

It has been a pleasure preparing this request for you. Please call Jayson S. Mitsuyoshi at 484-5366 if you have any questions or require additional information.

Respectfully submitted,

MASA FUJIOKA & ASSOCIATES

A Professional Partnership

Masanobu R. Fujioka

Principal-in-Charge

(2 copies submitted)

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Attachments:

NRC Form 313

NRC FORM 313

U.S. NUCLEAR REGULATORY COMMISSION APPROVED BY OMB: NO. 3150-0120

EXPIRES: 3/31/2012

(3-2009) 10 CFR 30, 32, 33, 34, 35, 36, 39, and 40

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOld/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), 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.

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A.	NEW LICENSE										
В.	B. AMENDMENT TO LICENSE NUMBER			Masa Fujioka & Associates 98-021 Kamehameha Hwy Suite #337							
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FACILITIES A	FACILITIES AND EQUIPMENT.				10. RADIATION SAFETY PROGRAM.						
. WASTE MANAGEMENT.			12. LICENSE FEES (See 10 CFR 170 and Section 170.31)								
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NRC FORM 313

U.S. NUCLEAR REGULATORY COMMISSION | APPROVED BY OMB: NO. 3150-0120

EXPIRES: 3/31/2012

(3-2009) 10 CFR 30, 32, 33, 34, 35, 36, 39, and 40

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), 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

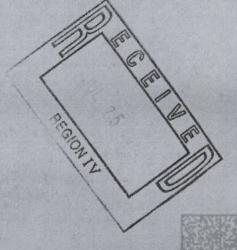
APPLICATION FOR MATERIALS LICENS	Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-00 or by internet e-mail to infocollects.resource@nrc.gov, and to the Desk Officer, Office Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Managem and Budget, Washington, DC 20503. If a means used to impose an informat collection does not display a currently valid OMB control number, the NRC may conduct or sponsor, and a person is not required to respond to, the informat collection.			
INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATIONS SEND TWO COPIES OF THE ENTIRE COMPLETE	ON GUIDE FOR DETAILED INSTRICTIONS FOR COMPLETING APPLICATION TED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.			
APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH	THE IF YOU ARE LOCATED IN:			
OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20555-0001	ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEN APPLICATIONS TO: MATERIALS LICENSING BRANCH			
ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:	U.S. NUCLEAR REGULATORY COMMISSION, REGION III 2443 WARRENVILLE ROAD, SUITE 210 LISLE, IL 60532-4352			
IF YOU ARE LOCATED IN:				
ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORG KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSE NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SC CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA SEND APPLICATIONS TO:	LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH			
LICENSING ASSISTANCE TEAM DIVISION OF NUCLEAR MATERIALS SAFETY U.S. NUCLEAR REGULATORY COMMISSION, REGION I 475 ALLENDALE ROAD KING OF PRUSSIA, PA 19406-1415	NUCLEAR MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION IV 612 E. LAMAR BOULEVARD, SUITE 400 ARLINGTON, TX 76011-4125			
TO SIGNIFICATION	CLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED SDICTIONS.			
THIS IS AN APPLICATION FOR (Check appropriate item) A. NEW LICENSE B. AMENDMENT TO LICENSE NUMBER X C. RENEWAL OF LICENSE NUMBER 53-29043-01	2. NAME AND MAILING ADDRESS OF APPLICANT (Include & code) Masa Fujioka & Associates 98-021 Kamehameha Hwy Suite #337 Aiea, HI 96701			
3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED	4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION			
98-021 Kamehameha Hwy Suite #337 Aiea, HI 96701	Jayson S. Mitsuyoshi			
	808-484-5366			
SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFO	RMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE			
RADIOACTIVE MATERIAL Element and mass number; b. chemical and/or physical form; and c. maiximum amount which will be possessed at any one time.	6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.			
7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.	8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.			
FACILITIES AND EQUIPMENT.	10. RADIATION SAFETY PROGRAM.			
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CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF. WARNING: 18 ILS C. SECTION 1001 ACT OF JUNE 25 1049 62 CTAT. 740 MAYER JEA	OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTANED HEREIN IS TRUE AND A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO			
ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITH ERTIFYING OFFICER TYPED/PRINTED NAME AND TITLE	SIGNATION			
Masa Fujioka, Principal in-charge	12-11-12			
VDE OF FEE	RC USE ONLY ECK NUMBER COMMENTS			
PPROVED BY DAT				

98-021 Kamehameha Hwy., #337 Alea, Hawaii 96701 Phone: (808) 484-5366 · Fax: (808) 484-0007

NUCLEAR MATERIALS LICENSING BRANCH UNITED STATES REGULATORY COMMISSION, REGION IV 612 F. LAMAR BLVD., SUITE 400 ARLINGTON, TEXAS 76011-4125

RECEIVED

DNMS



NRC FORM 532 (1-2012)



DATE

	07/26/20	12					
NAME A	ND ADDRESS OF APPLICANT AND/OR LICENSEE	LICENSE NUMBER					
	Masa Fujioka & Associates	53-29043-01					
P	ATTN: Jayson S. Mitsuyoshi Radiation Safety Officer	MAIL CONTROL NUMBER					
9	8-021 Kamehameha Highway, Suite 337	577931					
	Aiea, Hawaii 96701-4914	LICENSING AND/OR TECHNICAL REVIEWER					
		ch					
	This is to acknowledge the receipt of your:	**************************************					
	✓ LETTER and/or ✓ APPLICATION	DATED: 07/11/2012					
The initial processing, which included an administrative review, has been performed.							
	☐ AMENDMENT ☐ TERMINATION ☐ NEW LICENSE ✓ RENEWAL						
	There were no administrative omissions identified during our initial review.						
√	This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.						
	Your application for a new NRC license did not include your taxpayer identification number. Please fill out NRC Form 531, located at the following link:						
http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf							
	Send the completed NRC Form 531, by facsimile, to the following number: (301) 415-5387						
	A copy of your action has been emailed to our License our Headquarters office in Rockville, MD. You will be c involved.						
	Your application has been assigned the above listed Macalling to inquire about this action, please refer to this countries been forwarded to a technical reviewer. Please note the normally completed within 180 days for a renewal application application and inconcerning the processing of your application, our contains	ontrol number. Your application has at the technical review, which is cation (90 days for all other requests), information. If you have any questions					

Region IV U. S. Nuclear Regulatory Commission DNMS/NMSB - B 1600 E. Lamar Boulevard Arlington, TX 76011-4511 (817) 200-1103 or (817) 200-1140

BETWEEN: [FOR ARPB USE] INFORMATION FROM LTS Accounts Receivable/Payable Program Code: 03121 Status Code: Pending Renewal Regional Licensing Branches Fee Category: 3P Exp. Date: Fee Comments: Decom Fin Assur Regd: License Fee Worksheet - License Fee Transmittal A. REGION 1. APPLICATION ATTACHED MASA FUJIOKA & ASSOCIATES Applicant/Licensee: Received Date: 07/25/2012 3032803 Docket Number: 577931 Mail Control Number: 53-29043-01 License Number: Action Type: Renewal 2. FEE ATTACHED Amount: Check No .: 3. COMMENTS Signed: Date: B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / / 1. Fee Category and Amount: 2. Correct Fee Paid. Application may be processed for: Amendment: Renewal: License: 3. OTHER _

Signed:

Date: