

NRC FORM 374A	U.S. NUCLEAR REGULATORY COMM	ISSION PAGE 2 OF 5	PAGES		
MATERIALS LICENSE SUPPLEMENTARY SHEET	License Number 53-05379-01	Docket or Reference Number 030-03546			
	Amendment No. 81				
 Licensed material may be used or stored at the licensee's facilities located at 3288 Moanalua Road, Honolulu, Hawaii, 96819 (Island of Oahu). 					
11. The Radiation Safety Officer (RSO) for this license is Harry F. Palmer, M.C.E.					
12. Licensed material shall only be used by, or under the supervision of:					
A. Individuals permitted to work as authorized users, authorized nuclear pharmacists, and/or authorized medical physicists in accordance with 10 CFR 35.13 and 10 CFR 35.14.					
B. The following individuals are authoriz	B. The following individuals are authorized users for the material and medical uses as indicated:				
Authorized Users	Material and Use				
Peter Abcarian, M.D.	35.100; 35.200				
Bradford S. Burton, M.D.	35.100; 35.200	S			
Daniel C. Henshaw, M.D.	35.100; 35.200; 35.300	S			
Steven W. Hong, M.D.	35.100; 35.200; 35.300	NO.			
Shane Inoue, M.D.	35.100; 35.200; 35.300	4			
Taylor L. McDonald, M.D.	35.100; 35.200; oral administration o	of sodium iodide I-131			
Lex Mitchell, M.D.	35.100; 35.200				
Mitchell A. Moy, M.D. Felix Lee Song, M.D.	millicuries; Parenteral administration primarily used for its electron emission	of sodium iodide I-131 in quantities less than or equ of any radioactive drug that contains a radionuclide on, beta radiation characteristics, alpha radiation less than 150 keV, for which a written directive is re	le that is		

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Authorized Users	Material and Use		
Jayme M. Takahashi, M.D.	radioactive drug that conta	nistration of sodium iodide I-131; Paren ains a radionuclide that is primarily used ics, alpha radiation characteristics, or p rective is required	for its electron emission,
Kristi S.M. Takaki, M.D.	35.100; 35.200; oral admi radioactive drug that conta	nistration of sodium iodide I-131; Paren ains a radionuclide that is primarily used ics, alpha radiation characteristics, or p	for its electron emission,
John T. Watabe, M.D.	35.100; 35.200		
Samuel M.H. Wu, M.D.	35.100; 35.200; 35.300; 3	5.1000 Y-90 TheraSphere use	
registration issued by the U.S. Nuc	clear Regulatory Commission un	t intervals not to exceed the intervals sp der 10 CFR 32.210 or by an Agreement and/or contamination at intervals not to o	State. In the absence of a
B. Notwithstanding Paragraph A of th and/or contamination at intervals r		igned to primarily emit alpha particles s	hall be tested for leakage
registration issued by the U.S. Nue	clear Regulatory Commission un	ak test has been made within the interva der 10 CFR 32.210 or by an Agreement se until tested and the test results recei	State, prior to the transfer, a
	ot more than 100 microcuries of t	; or they contain only a radioactive gas; peta- and/or gamma-emitting material or	•

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- E. Sealed sources need not be 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.
- F. The leak test shall be capable of detecting the presence of 185 becquerels (0.005 microcuries) of radioactive material on the test sample. If the test reveals the presence of 185 becquerels (0.005 microcuries) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- G. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall be performed by the licensee or other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
- H. Records of leak test results shall be kept in units of becquerels (microcuries) and shall be maintained for 3 years.
- 14. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee, except as specifically authorized.
- 15. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sealed sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 3 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.
- 16. 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.

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17. 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. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U.S. 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.

FIND THE

A. Application dated December 10, 2014 (ML15016A208)

B. Letter dated June 1, 2018 (ML18177A159)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

/RA/

Date: December 12, 2019

By:

Michelle R. Simmons Region 4