NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

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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, 37, 39, 40, 70 and 71, 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.

	Lic	ensee	In accordance with letter dated	4. Expiration Date: November 30, 2024		
1.	Siemens Medical Solu	ions USA, Inc.	November 27, 2017.			
2	221 Greason Drive		3 License number: 32-35165-01/is	5. Docket No.: 030-38762 Reference No.:		
2.	Cary, NC 27511		amended in its entirety to read as follows:			
6.	Byproduct, source, and/or special nuclear material	7. Chemical and/or physical fo	orm 8. Maximum amount that licen may possess at any one tim under this license	see 9. Authorized use ne		
Α.	Fluorine-18	A. Any	A. Not applicable (see Condition 10)	A. Incident to services for other persons as defined in 10 CFR 20.1003 for installation, testing, repair, source exchange, calibration services, and routine and non-routine maintenance or repair of components related to the radiological safety of diagnostic imaging equipment.		
В.	Gallium-67	B. Any	B. Not applicable (see Condition 10)	B. Incident to services for other persons as defined in 10 CFR 20.1003 for installation, testing, repair, source exchange, calibration services, and routine and non-routine maintenance or repair of components related to the radiological safety of diagnostic imaging equipment.		

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6		7	Chamical and		0				
0.	and/or special nuclear material	1.	Chemical and	or physical form	0.	may possess under this lice	at any one time	9.	Authorized use
C.	Technetium-99m	С.	Any		Č.	Not applicab Condition 10	le (see	C.	Incident to services for other persons as defined in 10 CFR 20.1003 for installation, testing, repair, source exchange, calibration services, and routine and non-routine maintenance or repair of components related to the radiological safety of diagnostic imaging equipment.
D.	lodine-131	D.	Any		D.	Not applicab Condition 10	le (see	D,	Incident to services for other persons as defined in 10 CFR 20.1003 for installation, testing, repair, source exchange, calibration services, and routine and non-routine maintenance or repair of components related to the radiological safety of diagnostic imaging equipment.
Ε.	Thallium-201	E.	Any			Not applicab Condition 10	le (see	E.	Incident to services for other persons as defined in 10 CFR 20.1003 for installation, testing, repair, source exchange, calibration services, and routine and non-routine maintenance or repair of components related to the radiological safety of diagnostic imaging equipment.

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			License Number 32-35165-01 Amendment No. 2		ce Nı	mber	
6.	Byproduct, source, and/or special nuclear material	7. Chemical and	/or physical form	8. Maximum am may possess under this lice	ount that licensee at any one time ense	9.	Authorized use
F.	Indium-111	F. Any		F. Not applicat Condition 10	le (see	F.	Incident to services for other persons as defined in 10 CFR 20.1003 for installation, testing, repair, source exchange, calibration services, and routine and non-routine maintenance or repair of components related to the radiological safety of diagnostic imaging equipment.
G.	Cobalt-57	G. Sealed Sour	rces	G. Not applicat Condition 10	ole (see	G.	Incident to services for other persons as defined in 10 CFR 20.1003 for installation, testing, repair, source exchange, calibration services, and routine and non-routine maintenance or repair of components related to the radiological safety of diagnostic imaging equipment.
H.	Germanium-68	H. Sealed Sou	rces	H. Not applicat Condition 10	ole (see	H.	Incident to services for other persons as defined in 10 CFR 20.1003 for installation, testing, repair, source exchange, calibration services, and routine and non-routine maintenance or repair of components related to the radiological safety of diagnostic imaging equipment.

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SUPPLEMENTARY SHEET			EET	Amendment No. 2	Amendment No. 2				
6.	Byproduct, source, and/or special nuclear material	7.	Chemical and	/or physical form	8.	Maximum amou may possess a under this licen	unt that licensee t any one time se	9.	Authorized use
Ι.	Selenium-75	Ι.	Sealed Sourd Ziegler Isotor 3239, PP Se GF D Series CAL26aa Se MED3505, N POSK Serie SM Series, I 3916)	ces (Eckert & pe Products, Model ries, PHI Series, , GF M Series, eries, CDC.PLS, (MS10, MMS16, s, POSN Series, SM Series, 3888,	Ι.	Not applicable Condition 10)	e (see	l.	Incident to services for other persons as defined in 10 CFR 20.1003 for installation, testing, repair, source exchange, calibration services, and routine and non-routine maintenance or repair of components related to the radiological safety of diagnostic imaging equipment.
J.	Cesium-137	J.	Sealed Sour Ziegler Isoto PHI-0089, G	ces (Eckert & pe Products, Model FS Series)	J.	Not applicable Condition 10)	e (see	J.	Incident to services for other persons as defined in 10 CFR 20.1003 for installation, testing, repair, source exchange, calibration services, and routine and non-routine maintenance or repair of components related to the radiological safety of diagnostic imaging equipment.
K.	Gadolinium-153	K.	Sealed Sour Ziegler Isoto NES8426-28 HEGL-0133)	ces (Eckert & pe Products, Model 3, NES8426-4,)	K.	Not applicable Condition 10)	See	K.	Incident to services for other persons as defined in 10 CFR 20.1003 for installation, testing, repair, source exchange, calibration services, and routine and non-routine maintenance or repair of components related to the radiological safety of diagnostic imaging equipment.
CONDITIONS									

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11.	Licensed material may be used only at te	emporary job sites of the licensee anywh	ere in the United States where	the U.S. Nuclear Regulatory
	Commission maintains jurisdiction for reg	guiating the use of licensed material, incl	uding areas of exclusive Fede	ral jurisdiction within
	Agreement otates.			
	If the jurisdiction status of a Federal facili	ity within an Agreement State is unknow	n, the licensee should contact	the Federal agency
	controlling the job site in question to dete	ermine whether the proposed job site is a	an area of exclusive Federal ju Federal jurisdiction shall be of	risdiction. Authorization for
	state regulatory agency.		Maria and an	
12.	Licensed material shall only be used by, dated August 6, 2014, and the letter date licensee shall maintain records of individ	or under the supervision of, individuals ed October 27, 2014, and have been des luals designated as users for 3 years foll	who have received the training signated in writing by the Radia owing the last use of licensed	described in the application ation Safety Officer. The material by the individual.
13	The Radiation Safety Officer (RSO) for th	his license is Matthew D. Daut		
10.	The Radiation Galety Onicer (RGO) for a		and the second se	
14.	The licensee shall not use licensed mate	erial in or on human beings		
15.	The licensee shall not use licensed mate this license.	erial in field applications where it is relea	sed except as provided otherw	ise by specific condition of
16.	A. Sealed sources and detector cells sl the certificate of registration issued l absence of a registration certificate, months, or at such other intervals as	hall be tested for leakage and/or contam by the U.S. Nuclear Regulatory Commiss sealed sources shall be tested for leaka s specified.	ination at intervals not to exce sion under 10 CFR 32.210 or b ge and/or contamination at inte	ed the intervals specified in y an Agreement State. In the ervals not to exceed 6
	B. Notwithstanding Paragraph A of this and/or contamination at intervals no	Condition, sealed sources designed to to exceed 3 months.	primarily emit alpha particles s	hall be tested for leakage

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C. In the absence of a certificate from a registration issued by the U.S. Nuclea sealed source received from another	transferor indicating that a leak test has ar Regulatory Commission under 10 CF person shall not be put into use until tes	been made within the interval R 32.210 or by an Agreement sted and the test results receiv	s specified in the certificate of State, prior to the transfer, a ed.		
 D. Sealed sources need not be tested if 30 days or less; or they contain not m microcuries of alpha-emitting materia 	they contain only hydrogen-3; or they contain only hydrogen-3; or they contain 100 microcuries of beta- and/contained l.	ontain only a radioactive gas; or gamma-emitting material or	or the half-life of the isotope is not more than 10		
E. Sealed sources need not be tested if or transferred to another person, and transfer. No sealed source shall be since	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 dete sample. If the test reveals the presen filed with the U.S. Nuclear Regulator immediately from service and decont	ecting the presence of 185 becquerels (ace of 185 becquerels (0.005 microcurie y Commission in accordance with 10 CF aminated, repaired, or disposed of in ac	0.005 microcuries) of radioacti s) or more of removable conta R 30.50(c)(2), and the source cordance with Commission re	ve material on the test mination, a report shall be shall be removed gulations.		
G. Tests for leakage and/or contamination persons specifically licensed by the U	on, including leak test sample collection J.S. Nuclear Regulatory Commission or	and analysis, shall be perform an Agreement State to perform	ned by the licensee or other m such services.		
H. Records of leak test results shall be l	kept in units of becquerels (microcuries)	and shall be maintained for 3	years.		

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 Except as specifically provided otherwise representations, and procedures containe those procedures that are required to be set 	in this license, the licensee shall conduced in the documents, including any enclosubmitted in accordance with the regulat	ct its program in accordance with sures, listed below. This license tions. The U.S. Nuclear Regulat	n the statements, e condition applies only to cory Commission's
regulations shall govern unless the staten restrictive than the regulations.	nents, representations, and procedures	In the licensee's application and	correspondence are more
 A. Application dated August 6, 2014, exc Use of Radioactive Materials (ML142 B. Letter dated October 27, 2014 (ML14 C. Letter dated May 12, 2015 except Attack 	cept Appendix D and the "CX RC-US Me 230A072) 4309A657) achment 2 (ML15155B151)	emorandum of Understanding Re	∍garding Service Provider
Date: <u>February 16, 2018</u>	FOR By: _ R F	THE U.S. NUCLEAR REGULAT	ORY COMMISSION