PAGE \_\_\_\_\_ OF \_\_\_\_ PAGES NRC FORM 374 Amendment No. 03 U.S. NUCLEAR REGULATORY COMMISSION 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, 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. In accordance with letter dated Licensee May 20, 2014, 1. Triad Isotopes, Inc. 3. License number 09-32781-01MD is amended in its entirety to read as follows: 4. Expiration date July 31, 2017 2. 4205 Vineland Road 5. Docket No. 030-38276 Suite L1 Orlando, FL 32811 Reference No. 030-18546/24-04206-08MD 6. Byproduct, source, and/or special 7. Chemical and/or physical form 8. Maximum amount that licensee may possess at any one time under this nuclear material license A. Any byproduct material with A. Any form initially A. 700 millicuries per nuclide total possession not to distributed in accordance atomic numbers 3 through exceed 1 curie 83 except molybdenum-99, with a specific license iodine-131, technetiumissued pursuant to 10 CFR 99m, Yttrium-90 and xenon-32.72 or equivalent 133 Agreement State regulations Any molybdenum-200 curies Β. Molybdenum-9 99/technetium-99m generator initially distributed in accordance with a specific license issued pursuant to 10 CFR 32.72 or equivalent Agreement State regulations C. 200 curies Any C. Technetium-99m D. 6 curies D. Xenon-133 D. Any E. 5 Curies E. lodine-131 E. Any F. Any byproduct material F. 🦳 Prepackaged units for in F. 20 millicuries listed in 10 CFR 31.11(a) vitro diagnostic tests

NRC FO	RM 374A U.S. NUCLEAR F	EGULATORY	·			PAGE	2 o'	f 5	PAGES
				License Number 09-32781-01M	D				
	MATERIALS LICEN	ISE		Docket or Reference	Numb	per			
	SUPPLEMENTARY SH	EET		030-38276					
				Amendment No	5. 03				
G. H. I. J.	Any byproduct material authorized under 10 CFR 35.65 Uranium (depleted in the isotope Uranium-235) Yttrium-90 Thallium-201	G. Any 10 ( bee labe disti with issu 32.7 Agro regu H. Met stee I. Any J. Any	sealed sou CFR 35.65 t n manufacte eled, packag ributed in ac a specific l ed pursuan 74 or equiva eement Sta ulations al encased	rce listed in hat has ured, ged, and ccordance icense t to 10 CFR lent te	G. H. I. J.	300 mil 400 kilo 1 curie 2 curies	grams		
к.	Indium-111	K. Any			K.,	500 mill	icuries		Ci.
L. 5	Fluorine-18	L. Anv		3) ****	L.	4 curies	5		
 	Gallium-67	<sup>M</sup> . Anv		ین است. به این کرد به است کرد	M.	1 curie			
N	lodine-123	N. Any	and the second s		N. /	500 mill	icuries	74) 5	
								; ** %	herman set
ο Δι	ithorized like:		Aus					.: 2	
J. A	ALIIOIIZEU USE.					·		2 	
A. through E., I. and J through N. Preparation and distribution of radioactive drugs including redistribution of unused molybdenum-99/technetium-99m to authorized recipients on accordance with 10 CFR 32.72.									
F. Redistribution to specific licensees or general licensees pursuant to 10 CFR 31.11 provided the packaging and labeling remain unchanged.									
G. Redistribution of sources to specifically authorized recipients. Pursuant to 10 CFR 32.74, the licensee is authorized to redistribute sources to persons licensed pursuant to 10 CFR 35.65 or under equivalent licenses of Agreement States.									
H.	Shielding fo <b>r Mo-</b> 99/Tc-99m g	enerators.					ja ja		
Pursua in Item and 35	ant to 10 CFR 32.72 and 32.74, t s 6 and 7.A. through G. and I. of .300 of 10 CFR Part 35, or unde	he license this licens r equivale	e is authoriz e to person nt licenses o	ed to distribute s licensed pursu of Agreement St	the tuant tates	oyproduc to Sectio	t mate ons 35.	rial de 100, 3	escribed 85.200

	FORM 374A	U.S. NUCLEAR REGULATORY	PAGE 3 of 5	PAGES		
			License Number 09-32781-01MD			
		MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 030-38276			
			Amendment No. 03			
			1			
	CONDITIONS					
10.	10. License material shall be used only at the licensee's facilities located at 1827 Belt Way Drive, Overland, <b>Missouri.</b>					
11.	The Ra	adiation Safety Officer for this license is Jerro	d Brown, R.Ph.			
12.	License	ed material shall be used by, or under the su	pervision of:			
	A. A	A pharmacist working or designated as an au	thorized nuclear pharmacist in accordance	with 10		
		CFR 32.72(b)(2) and (4), or				
	<b>B.</b> A	Authorized Nuclear Pharmacists:				
		Jerrod Brown Jo	nathan Vaught David McLelar	nd		
	N	James Coder, Pharm.D. Jo Todd Kliche Da	seph M. Huber Fred Gattas avid Wright Persinger	) A		
13	Δ	Sealed sources shall be tested for leakage	and/or contamination at intervals not to exc	eed the		
10.		intervals specified in the certificate of regis	ration issued by NRC under 10 CFR 32.21	0 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 by an Agreement State prior to the transfer, a sealed source received from another					
		person shall not be put into use until tested				
	C. 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.					
	D.	The leak test shall be capable of detecting of radioactive material on the test sample. (185 becquerels) or more of removable cor U.S. Nuclear Regulatory Commission in ac shall be removed immediately from service accordance with Commission regulations.	the presence of 0.005 microcurie (185 becc If the test reveals the presence of 0.005 mi tamination, a report shall be filed with the cordance with 10 CFR 30.50(c)(2), and the and decontaminated, repaired, or disposed	uerels) crocurie source l of in		
	E.	Tests for leakage and/or contamination sha specifically licensed by the Commission or addition, the licensee is authorized to collec specifically licensed by the Commission or	Il be performed by the licensee or other per an Agreement State to perform such servic at leak test samples for analysis by persons an Agreement State to perform such servic	rsons es. In es.		

NRC FC COMM	ORM 374A	U.S. NUCLEAR REGULATORY	PAGE 4 of 5 PAGES		
		MATERIALS LICENSE SUPPLEMENTARY SHEET	License Number 09-32781-01MD Docket or Reference Number 030-38276 Amendment No. 03		
	F.	Records of leak test results shall be kept i for 3 years.	n units of microcuries and shall be maintained		
14.	Seale	d sources containing licensed material shall no	t be opened.		
15.	15. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.				
16.	The lic "Pack	censee may transport licensed material in acco aging and Transportation of Radioactive Mater	rdance with the provisions of 10 CFR Part 71, ial."		
17.	The lia 120 d	censee is authorized to hold radioactive materia lays for decay-in-storage before disposal in ordi	al with a physical half-life of less than <b>or equal to</b> inary trash provided:		
<ul> <li>A. Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate survey meter set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.</li> <li>B. A record of each disposal permitted under this License Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.</li> <li>18. Radioactive waste may be picked up from the licensee's customers and disposed of in accordance with the procedures, statements and representations in application dated February 15, 2007.</li> </ul>					

NRC FORM 374A	U.S. NUCLEAR REGULATORY	PAGE 5 of 5 PAGES		
	MATERIALS LICENSE SUPPLEMENTARY SHEET	License Number 09-32781-01MD Docket or Reference Number 030-38276 Amendment No. 03		
19. 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.				
А.	Application dated February 15, 2007; and,			
В.	Letters dated June 21, 2007, July 19, 2007, J March 31, 2009, May 28, 2009, June 11, 2009 2010, and January 6, 2012.	une 17, 2008, July 3, 2008, February 10, 2009, 9, January 7, 2010, March 29, 2010, April 22,		
	FOR THE U.S.	NUCLEAR REGULATORY COMMISSION		
Date JUL	0 9 2014 By	ollen Carol Carey		
	Colle Mate Regio	rials Licensing Branch		