NRC FORM 374

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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, 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.

Licensee					In accordance with letter dated						
			I	June 1, 2015							
1.	Ad	lvanced Isotopes of Idaho		3. License nu	amended in						
	4968 Rainbow Lane Chubbuck, Idaho 83202				its entirety to read as follows:						
2.	49	68 Rainbow Lane	1	4. Expiration	date D	ecember 31, 2015					
	Ch	nubbuck, Idaho 83202	÷		5. Docket No	. 030-3	37048	5° 61			
		ding .			Reference No.						
6.		product, source, and/or special nuclear 7. terial	. Che	emical and/or p	physical form		aximum amount that licent seess at any one time un				
	A.	Any byproduct material with atomic numbers 1 through 83, except molybdenum-99, technetium-99m, iodine-131, and xenon-133	A.	Any	L.	Α.	450 millicuries per and 1 curie total	radionuclide			
	Β.	lodine-131	В.	Any	11 10000 11	В.	750 millicuries				
	C.	Molybdenum-99	C.	Any	ILRO-K	C.	30 curies				
	D.	Technetium-99m	D.	Any	is all	D.	30 curies				
	E.	Xenon-133	E.	Any	10	E.	2 curies				
	F.	Yttrium-90	F.	Any		F.	75 millicuries				
	G.	Any byproduct material in a brachytherapy source as listed in 10 CFR 35.400	G.	Sealed sou	urces	G.	500 millicuries				
I	H.	Any byproduct material authorized under 10 CFR 35.65	H.	Sealed sou	irces	H.	250 millicuries				
	I.	Any byproduct material with atomic numbers 2-83, inclusive	I.	Analytical s	samples	I.	As needed				
	J.	Depleted uranium	J.	Metal		J.	500 kilograms				

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9.	Au	uthorized use:							
	A.	through F.	Preparation and distribution of radioactive redistribution of used and unused molybde authorized recipients in accordance with 1 radioactive drugs and radiochemicals inclu redistribution of used and unused molybde recipients for non-medical use.	enum-99/technetium 10 CFR 32.72. Prepa uding compounding o	-99m ge aration a of iodine	enera and o e-13	ators distri 1 an	s to ibuti id	ion of
	G.		Redistribution of sealed sources initially di to 10 CFR 32.74. Redistribution of sealed NRC under 10 CFR 32.210 or with an Agr accordance with an NRC or Agreement St persons specifically authorized by an NRC possess, and use the devices.	d sources that have b reement State and ha tate specific license a	been reg ave bee authoriz	gister en dis zing d	red e stribu distri	eithe uted ibuti	er with I in
	H.		Calibration and checking of the licensee's initially distributed by a manufacturer licent recipients and to authorized recipients for	sed pursuant to 10 C					
	Ī.		Possession incident to the performance of	f wipe testing of cust	omer's :	seale	ed s	ourc	es.
	J.		Shielding for molybdenum-99/technetium-	99m generators.					
			W SEL	and o			-	3	
-		l.	CONDITIONS	N N				636	ALL ALL
10.		ensed materia hubbuck, Idaho	al shall be used or stored only at the license o.	e's facility located at	: 4968 F	≀aint	voc	Lan	e,
4.4			Xult	×					
11.			al shall be used by, or under the supervision						
	 A pharmacist working or designated as an authorized nuclear pharmacist in accordance with 10 CFR 32.72(b)(2)(i) and (4), or 					i Ti Ti			
	B.		luclear Pharmacist(s): Nicole Chopski, Pha eyneman, PharmD.	rmD; Gloria Gest, R.	Ph.; and	d			
12.	Th	e Radiation Sa	afety Officer for this license is Catherine He	yneman, PharmD.					
13.	A.	exceed 6 mo	rces and detector cells shall be tested for lea onths or at such other intervals as specified ar Regulatory Commission under 10 CFR 32 State.	I in the certificate of r	egistrat	ion i	ssue	ed by	y the
	Β.		ding Paragraph A of this Condition, sealed s all be tested for leakage and/or contaminatio						

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	C.		e transfer, a se	aled source o	r detecto	ng that a leak test h or cell received from					
	D.					inspected and test as a sealed source		nstru	ctior	ו def	fects,
	E.	radioactive gas; or	the half-life of	the isotope is	30 days	only hydrogen-3; or or less; or they con al or not more than	ntain not	more	tha	in	a
	F.	within the required	from storage for leak test inter	or use or trans val, they shall	ferred to be teste	orage and are not l another person, and before use or tran 0 years without bein	nd have r nsfer. No	not be seal	een led s	teste	ed ce or
	G.	(185 becquerels) of Regulatory Commi immediately from s Commission regula with the U.S. Nucle	al on the test s or more of rem ssion in accor ervice and de ations. The re ear Regulatory , ATTN: Direc	ample. If the to ovable contam dance with 10 contaminated, port shall be fi Commission, ctor, Division c	test revenination, CFR 30 repaired iled withi Region of Nuclea	als the presence of a report shall be file .50(c)(2), and the s d, or disposed of in n 5 days of the date IV, 1600 East Lama ir Materials Safety.	0.005 m ed with th ource sh accordar e the leak ar Boulev	icroc le U.s all be nce w test ard, <i>i</i>	urie S. N ren /ith resu Arlin	ucle nove ult is igtor	ar ed known 1,
	H.	Tests for leakage a specifically license such services. In a persons specificall	d by the U.S. I addition, the lic	Nuclear Regul ensee is auth	atory Co orized to	mmission or an Agi	reement imples fo	State r ana	to p lysis	berfo s by	
14.		led sources or dete rce holders by the li		aining licensed	d materia	al shall not be open	ed or sou	irces	rem	ove	d from
15.	U.S und and	licensee shall cond . Nuclear Regulator er the license. Rec shall include the ra inventory.	y Commission ords of invento	, to account fo ries shall be r	naintaine	rces and/or devices ed for 5 years from	received the date	l and of ea	pos ch ii	sses: nven	sed ntory,

16. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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17.		licensee is authorized to hold byproduct material with a days from decay-in-storage before disposal without reg		l to
	A.	Monitors byproduct material at the surface before dispo be distinguished from the background radiation level we meter set on its most sensitive scale and with no interp	th an appropriate radiation detection	
	B.	Removes or obliterates all radiation labels, except for racontainers and that will be managed as biomedical was licensee;		
	C.	Maintains records of the disposal of licensed materials the disposal, the survey instrument used, the backgrou at the surface of each waste container, and the name of	nd radiation level, the radiation level r	neasured
18.	proc	lioactive waste may be picked up from the licensee's custoedures, statements and representations in application of ember 13, 2005.		
19.		licensee is authorized to retrieve, receive, and dispose adiopharmacy-supplied syringes and vials and their cont		rs limited
20.	mate	ddition to the possession limits in Item 8, the licensee sh erial to quantities below the minimum limit specified in 10		censed
	deco	ommissioning financial assurance.	No. S	
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21.	accordance w any enclosure the statement restrictive that A. Applicatio B. Electronic	ecifically provided otherwise in this license, the vith the statements, representations, and process, listed below. The U.S. Nuclear Regulatory its, representations, and procedures in the lice in the regulations. on dated September 21, 2005 c mail dated December 7, 2005 c mail dated December 13, 2005	edures contained in the d Commission's regulation	locui is sh	men all g	ts, i jove	nclu rn u	nless
Date	e: <u>August 27,</u>		J.S. NUCLEAR REGULA	ΓOR	ΥC	OMI	VIIS	SION
Dute	. <u> </u>	Jaco Nuc Reg	queline D. Cook, Senior H lear Materials Safety Brar ion IV ngton, Texas 76011-4511			iysic	īst	