NRC FORM 374 U.S. NUCLEAR F	REGULATORY COMMISSION PAGE1_OF _4_PAGES Amendment No. 17					
MATE	ERIALS LICENSE					
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, 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.						
Licensee	In accordance with letter dated					
	February 5, 2008,					
1. TestAmerica Laboratories - St. Louis	3. License number 24-24817-01 is amended in					
	its entirety to read as follows:					
2. 13715 Rider Trail North	4. Expiration date August 31, 2012					
Earth City, MO 63045	5. Docket No. 030-29601 Reference No.					
 Byproduct, source, and/or special 7. Chemical nuclear material 	al and/or physical form possess at any one time under this license					
A. Any byproduct material listed in 10 CFR 33.109, Schedule A., except as specified below	A. As specified in 10 CFR Part 33, Schedule A., Column II					
B. Strontium-90 B. Arry	B. 100 millicuries					
C. Cesium-137	C. 100 millicuries					
D. Cobalt-60	D 100 millicuries					
E. Hydrogen-3	y E. 3 curies					
E. Hydrogen-3 E. Any F. Plutonium F. Any	y F. 2 grams					
G. Uranium-233 G. Any	G. 2 grams					
H. Uranium-235 H. Any	H. 340 grams					
 Any byproduct material with Atomic Numbers between 84-103, inclusive 	y I. 5 millicuries each radionuclide with a total possession limit of 100 millicuries					
J. Natural Uranium J. Any	J. 136 kilograms (300 pounds)					
K. Barium-133 K. Seal	aled sources K. 4 sources, not to exceed 20 microcuries per source					
L. Nickel-63 L. Plate	ted sources L. 21 sources, not to exceed 15 millicuries per source					
M. Natural Thorium M. Any	M. 200 millicuries					

NR	NRC FORM 374A U.S. NUCLEAR REGULATORY COMMISSION PAGE 2 of 4 PAGES										
		_		License Number 24-24817-01							
			MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 030-29601							
				Amendment No. 17							
9.	9. Authorized Use:										
	A. '	throu		mance of chemical and radiochemical analysis ndards for calibration of instruments.							
	K.	To t	be used as internal calibration sources for liquid so	cintillation counters.							
	L.	To t	be used in gas chromatography devices for sample	e analysis.							
			CONDITIONS	ULA.							
10.		ensed y, Mis	I material shall be used only at the licensee's facili souri.	ities located at 13715 Rider Trail North, Earth							
11.	The	e Rad	iation Safety Officer for this license is Michael Rid	enhower							
12.	12. Licensed material shall be used by, or under the supervision of James M. Kleszczewski and Michael Ridenhower.										
13.	13. In addition to the possession limits in item 5, the licensee shalf further restrict the possession of licensed material to quantities below the lighter specified in 10 CFR 80.72 which require consideration of the need for an emergency plan for responding to a release of licensed material.										
14.	Α.	Seal or at	ed sources shall be tested for leakage arrow, co such other intervals as specified by the cent ricat	te of registration referred to in 10 CFR 32.210.							
	B.	B. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed "purcher of tector cell received from another person shall not be put into use until tested.									
	C.	C. Sealed sources need not be leak tested if:									
		(i)	they contain not more than 100 microcuries of be	eta and/or gamma emitting material;							
		(ii)	they are not designed to emit alpha particles, are when they are removed from storage for use or been tested within the required leak test interval, sealed source or detector cell shall be stored for tested for leakage and/or contamination.	transferred to another person, and have not they shall be tested before use or transfer. No							
		(iii)	the half-life of the isotope is 30 days or less; or								
		(iv)	they contain not more than 100 microcuries of be than 10 microcuries of alpha emitting material; or								

NF		RM 374/	A		J.S. NUC		GULATO	RY COMMISSION	N		PAGE	3	of	4 F	PAGES
	_									xense Number 4-24817-01					-
MATERIALS LICENSE SUPPLEMENTARY SHEET					Docket or Reference Number 030-29601										
									A	mendment No	. 17				
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		(v)	when been seale	they ar tested v d sourc	e remo within tl e or de	ved fro ne requ tector (om stora uired lea	age for use of ak test interva Il be stored fo	or tra /al, tł	n storage, and nsferred to an ney shall be te period of more	other pers	on, a e use	nd ha	ive no ansfe	ot er. No
	D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 18 QFR 30,50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.								35						
	E. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to perform such services.														
15.	rece	eived	nsee sh and po of each	ssessø	lunde	hysica the lic		ory every 6 m Records of in Annua	nont nver	ories shall be	for all sou maintaine	rces a ed for	and/or 5 yea	[,] devi ars fro	ices om
16.	16. Sealed sources or detector cells containing iconsect meterial shall not be opened or sources removed from source holders by the license the source holders by th								d						
17.	17. The licensee is authorized to transport Reenson material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."								CFR						
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NRC FORM 374A	U.S. NUCLEAR REGULATORY COMMISSIO	N PAGE 4 of 4 PAGES
		License Number 24-24817-01
	MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 030-29601
		Amendment No. 17
accordance any enclosu the stateme more restric A. Applica B. Letters	ures, listed below. The U.S. Nuclear Regulate ents, representations, and procedures in the li ctive than the regulations. ations dated December 20, 1991 (with attachr	ocedures contained in the documents, including bry Commission's regulations shall govern unless censee's application and correspondence are nents) and February 7, 2002 (with attachments). ith attachments, excluding procedure EHS 150),
	FOR THE	U.S. NUCLEAR REGULATORY COMMISSION
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