NRC FORM 374	U.S. NUCLEAR REGULAT	ORY COMMISSION	PAGE <u>1</u> OF <u>4</u> PAGES Amendment No. 03				
	MATERIALS LICENSE						
Pursuant to the Atomic Energy Act of 1954, of Federal Regulations, Chapter I, Parts 3 heretofore made by the licensee, a license i source, and special nuclear material design deliver or transfer such material to persons a shall be deemed to contain the conditions applicable rules, regulations, and orders of below.	as amended, the Energy R 0, 31, 32, 33, 34, 35, 36, 3 s hereby issued authorizing nated below; to use such m authorized to receive it in acc specified in Section 183 of the Nuclear Regulatory Cor	Reorganization Act of 1974 (F 39, 40, and 70, and in reliand g the licensee to receive, acc naterial for the purpose(s) an cordance with the regulations the Atomic Energy Act of 19 mmission now or hereafter in	Public Law 93-438), and Title 10, Code ce on statements and representations guire, possess, and transfer byproduct, ad at the place(s) designated below; to s of the applicable Part(s). This license 954, as amended, and is subject to all the effect and to any conditions specified				
Licensee		In accordance with I	etter dated				
		May 17, 2007,					
1. TranSystems Corporation		3. License number 24-3	2091-01is amended in its				
		entirety to read as fol	lows:				
2. 2400 Pershing Road		4. Expiration date May 3	31, 2008				
Suite 400	, <b>1</b>	5. Docket No. 030-347	33				
Kansas City, MO 64108		Referén <b>ce</b> No.					
6. Byproduct, source, and/or 7. special nuclear material	Chemical and/or physical	form 8. M	aximum amount that licensee may ossess at any one time under this cense				
A. Cesium-137	<ul> <li>A Sealed sources either with NRC 32.200 or with an State and incorr competible sources either with NRC 32.210 or with a State and incorr compatible gaug specified in Ital license.</li> </ul>	registered A under 10 ER Agreement orated in a device as registered B under 16 CFR Agreement orated in a ging device as 9 of this	No single source to exceed 11 millicuries each for a total of 198 millicuries No single source to exceed 44 millicuries each for a total of 792 millicuries				
C. Cesium-137	C. Sealed source (A Model No. CDCW Products Model N 8M)	Amersham C /556 or Isotope No. HEG-137-	No single source to exceed 9 millicuries each for a total of 18 millicuries				
D. Americium-241	D. Sealed source (A Model Nos. AMN AMNV.340)	mersham D V.339 or	. 300 millicuries				
9. Authorized use							

A. and B. To be used in Humboldt Model 5001 and Troxler Model 3400 Series portable gauges for measuring physical properties of materials.

NR(		M 374A U.S. NUCLEAR REGULATORY COMMISSION	PAGE 2 of 4 PAGES							
			License Number 24-32091-01							
		MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 030-34733							
			Amendment No. 03							
			<u> </u>							
1	C. To be used in Troxler Model 4640 Series portable gauges for measuring physical properties of materials.									
	D. To be used in Troxler Model 3241-C portable gauges for measuring physical properties of materials.									
	CONDITIONS									
10.	Lice City Nuc	nsed material may be used or stored at the licensee's Missouri and at temporary job sites of the licensee a lear Regulatory Commission maintains jurisdiction for	facilities located 2400 Pershing Ave., Kansas nywhere in the United States where the U. S. regulating the use of licensed material.							
11.	Α.	The Radiation Safety Officer (RSO) for this licens	e is Scott A. Sharp.							
	B. Before assuming the duties and responsibilities as RSO for his license and before obtaining licensed material, future Radiation Safety Officers shall have successfully completed one of the training courses described in Criteria in Sector 8.8 of NUREG 1555 Volume 1, dated May 1997.									
12.	12. Licensed material shall only be used by, or under the application and in the physical presence of, individuals who have received the training described in the application dated April 20, 1998.									
13.	13. A. Sealed sources shall be tested and/or contamination at intervals not to exceed the intervals specified in the certificate of reduction issued by NRC under 10 CFR 32.210 or by an Agreement State.									
	B. In the absence of a certificate from a transferor indicating that a teak 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 calculate of detector cell 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.									

NRC		VI 374A		U.8		EAR REC	GULATO	RY CO	MMISSION	N			PAGE	3	of	4	P/	AGES
MA			MA							License Number 24-32091-01 Docket or Reference Number 030-34733								
SUFFLEMENTART SHEET					þ	Amendme	nt No. (	03										
	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 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with									 d								
		Commiss	sion r	egulat	ons.						a, a, ar -			<b>GGGG</b>	••••			
	E. Tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services. In addition, the licensee is authorized to collect leak test samples but not perform the analysis: analysis of leak samples must be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.								e ized imed ices.									
14.	14. Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.								rc									
15.	15. Except for maintaining labeling as required by 10 CFR Part 20 op 71, the licensee shall obtain authorization from NRC before making any changes in the sealed source, device, or source-device combination that would alter the description or specification as indicated in the respective Certificates of Registration issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.							s of										
16.	6. The licensee shall conduct a physical inventor every o months, or at other intervals approved by NRC, to account for all sources and/or decrease received and possessed upper the license.								C, to									
17.	. The licensee is authorized to transport icensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radionary Material."								CFR									
18.	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.																	
19.	19. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport. A minimum of two independent physical controls that form tangible barriers to secure portable gauges from unauthorized removal whenever the portable gauge is not under the control and constant surveillance of the licensee are required.																	
20.	Any the g Com	cleaning, gauge sha imission d	, mair ⊧all be or an	tenan perfor Agree	ce, or i med o ment S	repair o nly by State to	of the g the ma perfo	gauge anufao orm su	es that r cturer o uch serv	req or o vice	uires deta ther perso es.	iching th	ne soure cifically	ce or licen:	sour sed t	ce r by th	od f ne	rom

NRC FORM 374	A U.S. NUCLEAR REGULATORY COMMISSION	PAGE 4 of 4 PAGES
	MATERIALS LICENSE SUPPLEMENTARY SHEET	License Number 24-32091-01 Docket or Reference Number 030-34733 Amendment No. 03
21. Except a accorda any encl stateme restrictiv A. App B. Lett	as specifically provided otherwise in this license, the nce with the statements, representations, and pro- osures, listed below. The Nuclear Regulatory Co nts, representations, and procedures in the licens re than the regulations. Dication dated April 20, 1998; and ters dated May 15, 1998, March 16, 2001 and Mar	he licensee shall conduct its program in ocedures contained in the documents, including mmission's regulations shall govern unless the ee's application and correspondence are more
DateJUL	2 6 2007 By Toye L. Materia Region	U.S. NUCLEAR REGULATORY COMMISSION