NRC FORM 374	U.S. NUCLEAR REGULAT	ORY COMMISSION	PAGE <u>1</u> OF <u>4</u> PAGES Amendment No. 18							
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 wit	h letter dated							
		November 25, 20								
1. Bothwell Regional Health Center			24-16275-01 is amended in							
-		its entirety to read	d as follows:							
2. 601 East 14th Street		4. Expiration date M								
Sedalia, MO 65302-1706	ENRR									
<ol> <li>Byproduct, source, and/or special nuclear material</li> </ol>	7. Chemical and/or phy	vsical form 8,	Maximum amount that licensee may possess at any one time under this lipense							
A. Any byproduct material permitted by 10 CFR 36.100	Any	133	A. As needed							
B. Any byproduct material permitted by 10 CFR 35.200	Any hun		B. As needed							
C. Any byproduct materi <b>a)</b> permitted by 10 CFR 35.300	Any	A STANDARD STANDARD	C. As needed (not to exceed 1 curie of iodine-131)							
D. Any byproduct material permitted by 10 CFR 35.400	Dy Any present	erectorsource CFR-35.400	D <sub>2</sub> 500 millicuries							
E. Gadolinium-153	1 E. Sealed sour American So Model 3601 Merck Model 8412)	cientific, Inc. or InvPoint	E. 8 sources not to exceed 300 millicuries each							
F. Cesium-137	F. Sealed sour Products La Model HEG-	boratories	F. 4 sources not to exceed 30 millicuries each							
G. Depleted Uranium	G. Metal		G. Not to exceed 999 kilograms							
<ol> <li>9. Authorized Use:</li> <li>A. Any uptake, dilution and e</li> <li>B. Any imaging and localizat</li> </ol>		-	00.							

C. Any diagnostic study or therapy procedure permitted by 10 CFR 35.300.

NRC FORM 374A		M 374A	U.	S. NUCLEAR RE	GULATORY COMMISSION		PAGE	2	of	4	PAGES
						License Number 24-16275-01					
MATERIALS LICENS SUPPLEMENTARY SHEE						Docket or Reference Numb 030-10715	er			'	
						Amendment No. 18					
	D.	Any mai	nual brachy	therapy proce	dure permitted by 10	) CFR 35.400.				_	
	E.	Four sources to be used in ADAC Laboratories Transmission Line Source Housing VANTAGE devices for medical radiography in humans. Four sources in shipping containers for replacement of the sources.									
	F.	<ul> <li>F. Two sources to be used in ADAC Laboratories Transmission Line Source Housing VANTAGE device Model MCD/AC system for medical radiography in humans. Two sources in shipping containers for replacement of the sources.</li> <li>G. For use as shielding material in the molybdenum-99/technetium-99m generators and ADAC Model</li> </ul>									
	G.	For use MCD-A0	as shielding C line transn	g material in the	he molybdenum-99/to e.	echnetium-99m gene	erators	and	ADA	C M	odel
<u> </u>	<u> </u>										
				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		780					
10.	<ol> <li>Licensed material shall be used only at the licenses's facilities located at 601 East 14th Street, Sedalia, Missouri.</li> </ol>										
11.	11. Radiation Safety Officer: David H. Roents, M. Harris										
12.	12. Licensed material listed in Item <b>C</b> above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicator.										
		<u>Authori</u>	zed Users		Material and Use						
		James R. Farkas, M.D. 10 CFR 35.100, 35.200, 35.300, gadolinium-153 and sesium-137in VANTA GE devices for medical radiography									
		Steven	J. Westgat	e, M.D.	10 CFR 35.300 an	d 35.400					
		David H	I. Roehrs, N	И.D.	procedures which	5.200, 35.300 (limited require a written dire NTAGE devices for m	ctive) g	jadol	iniur		3 and
		Mark B	ryer, M.D.		10 CFR 35.300 an	d 35.400					
		William	E. Decker,	M.D.	10 CFR 35.300 an	d 35.400					
14.	Α.	intervals	specified in	the certificat	r leakage and/or con e of registration issue quivalent regulations	ed by the U.S. Nucle	ar Regi				nission

NRC	FOR	U.S. NUCLEAR REGULATORY COMMISSION	PAGE 3 of 4 PAGES					
			License Number 24-16275-01					
		MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 030-10715					
			Amendment No. 18					
	Β.	In the absence of a certificate from a transferor indica intervals specified in the certificate of registration issu under 10 CFR 32.210 or under equivalent regulations sealed source received from another person shall not received.	ed by the U.S. Nuclear Regulatory Commission					
	C.	Sealed sources need not be leak tested if they contain radioactive gas; or the half-life of the isotope is 30 day microcuries of beta and/or gamma emitting material of emitting material.	ys or less; or they contain no more than 100 or not more than 10 microcuries of alpha					
	D.	The leak test shall be capable of detecting the present on the test sample. If the test reveals the presence of contamination, a report shall be filed with the U.S. Nu with 10 CFR 30.50(c)(2), and the source shall be rem decontaminated, repaired, or disposed of in accordan	f 0.005 microcurie or more of removable clear Regulatory Commission in accordance oved immediately from service and					
	E.	Tests for leakage and/or contamination shall be perfore specifically licensed by the Commission or an Agreent	<b>Henry State to Perform such services.</b>					
15.		led sources containing licensed material shar not be d	pened or sources removed from source holders					
16.	The	licensee shall conduct an inventory of arcsealed sour	at intervals not to exceed 3 months.					
17.	mat	ddition to the possession limits in Item 8, the license serial to quantities below the minimum limit specified in ommissioning financial assurance.						
18.		licensee is authorized to transport licensed material in CFR Part 71, "Packaging and Transportation of Radioa						
1								

NRC	C FOR	M 374A		U.S. NUCL	EAR REGULA	TORY COMMIS	SSION		PAGE	4	of	4	PAGES
								License Number 24-16275-01					
				RIALS LI EMENTAR				Docket or Reference Nu 030-10715	mber				
								Amendment No.	18				
<ul> <li>Amendment No. 18</li> <li>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, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. 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.</li> <li>A. Application dated August 30, 2000 (with attachments); and</li> <li>B. Letter dated February 9, 2007 (RSO information only).</li> <li>C. Facsimile dated April 12, 2607 (RSO information only).</li> </ul>													
						FOR T	'HE U	.S. NUCLEAR RE	GULAT	DRY	CON	MIS	SION
Date	)	FEB 1	<u>3 2008</u>	-		Mat	ve Ľ. S	Simmofns Licensing Branch					