NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

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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,

	Licensee			In accordance w	vith lette	er dated			
				September 11, 2008,					
1. Bat	ttle Creek Health System			License number entirety to read a		354-04 is amended in its ows:			
	O North Avenue			4. Expiration date	Septer	mber 30, 2015			
Ва	attle Creek, MI 49016			5. Docket No. 030 Reference No.)-13899	,			
	product, source, and/or special clear material	7. Che	emical and/or p	hysical form	pos	ximum amount that licensee may ssess at any one time under this ense			
Α.	Any byproduct material permitted by 10 CFR 35.100	A .	Any		Α.	As needed			
B.	Any byproduct material permitted by 10 CFR 35.200	B.	Any		В.	As needed			
C.	Any byproduct material permitted by 10 CFR 35.300	C.	Any		C.	500 millicuries			
D.	Any byproduct material permitted by 10 CFR 35.400	D.	Oncoseed LLC, Mode	urces (STM 16711, IsoAid lel IAI 125A, and chytherapy Inc., M 1251)	D.	500 millicuries			
E.	Cesium-137	E.	J.L. Shepp	urce contained in pard & Associates 28-5 instrument	E.	110 millicuries			
F.	Gadolinium-153	F.	Sealed sou American S 3601)	urce (North Scientific Model	F.	2 sources not to exceed 300 millicuries each			

- B. Any imaging and localization study permitted by 10CFR 35.200.
- C. Any diagnostic study or therapy procedure permitted by 10CFR 35.300.

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D.	Any manual brachytherapy proce	edure permitted by 10	CFR 35.400.					
E.	E. For storage only incident to disposal.							
F.	For storage only incident to dispo	osal.						
CONDITIONS								
10. Loc	ation of Use: Leila Site, 300 North	n Ave., Battle Creek, i	Michigan.					
11. Rad	diation Safety Officer: Robert Sieff	fert, M.S.						
12. Lice	ensed material is only authorized fo	or use by, or under th	e supervision of:					
A.	A. Individuals permitted to work as an authorized user in accordance with 10CFR 35.13 and 35.14.							4.
B.	B. The following individuals are authorized users for medical use as indicated							
	Authorized Users	Material and Use						
	Randy Mudge, M.D.	10 CFR 35.300 and	35.400.					
	Charles W. O'Dell, Jr., M.D.	10 CFR 35.100, 35 procedure permitte	200, iodine-131 limited by 35.300.	d to an	y di	agn	ostic	;
	Geoffrey H. Wilson, M.D. 10 CFR 35.100, 35.200.							

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FR 35.100, 35.200, iodine-131 limited to any diagnostic edure permitted by 35.300.
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Stephane Lionel Delaunay, M.D. 10 CFR 35.100, 35.200 and iodine-131 limited to any diagnostic procedure permitted by 35.300.

- 13. For sealed sources not associated with 10 CFR Part 35 use, the following conditions apply:
 - A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S.Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of 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 the U.S.Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.
 - C. Sealed sources need not be tested if they contain not more than 100microcuries of beta- and/or gamma-emitting material.
 - D. 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.
 - E. The leak test shall be capable of detecting the presence of 0.005microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005microcurie (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 Commission regulations.
 - F. Tests for leakage and/or contamination, including leak test sample collectionand analysis, shall be performed by the licensee or by other persons specifically licensed by the U.S.Nuclear Regulatory Commission or an Agreement State to perform such services.
- 14. The licensee shall conduct a physical inventory every six months, orat other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license.
- 15. Sealed sources containing licensed material shall not be opened or sources removed from sourceholders by the licensee.
- 16. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
- 17. In addition to the possession limits in Item 8, the licensee shallfurther restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.

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- 18. Except as specifically provided otherwise in this license, the licensee shal conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U.S. Nuclear Regulatory Commission's regulations shall governunless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
 - A. Application dated July 29, 2005.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

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James R. Mullauer, M.H.S. Materials Licensing Branch

Region III