NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

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.

PC 02121 315498

Licensee	
1. West Shore Medical Center	In accordance with letter dated **June 6, 2006,**
	3. License number 21-16277-01 is amended in its entirety to read as follows:
2. 1465 East Parkdale Avenue Manistee, MI 49660	4. Expiration date May 31, 2011
	5. Docket No. 030-10713 Reference No.

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Any byproduct material permitted by 10 CFR 35.100	A. Any	A. As needed
B. Any byproduct material permitted by 10 CFR 35.200	B. Any (excluding xenon-133)	B. As needed
C. Any byproduct material permitted by 10 CFR 31.11	C. [illegible]epackaged Kits	C. As needed
D. Gadolinium-153	D. [illegible] (North American Scientific, Inc. Model MED 3[illegible] or [illegible] Model NES-412[illegible]	D. 4 sources, not to exceed 300 millicuries each

9. Authorized Use:

A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.

B. Any imaging and localization study permitted by 10 CFR 35.200 (excluding xenon-133).

C. In vitro studies.

D. Two sources to be used in ADAC Laboratories Transmission Line Source Housing Vantage devices for medical radiography in humans. Two sources in shipping containers for replacement of the sources.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
21-16277-01

Docket or Reference Number
030-10713

Amendment No. 18

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 1465 East Parkdale Avenue, Manistee, Michigan.

11. The Radiation Safety Officer for this license is John Raymond, M.D.

12. Licensed material is only authorized for use by, or under the supervision of:

    A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 or 35.14.

    B. The following individuals are authorized users for the materials and uses indicated:

Authorized Users	Material and Use
John Raymond, M.D.	10 CFR 35.100, 35.200 (excluding xenon-133), gadolinium-153 in Vantage devices for medical radiography, and 31.11.

13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.

    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 source received from another person shall not be put into use until tested.

    C. Sealed sources need not be leak tested while 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.

    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 Commission regulations.**

    E. Tests for leakage and/or contamination shall be performed by the licensee or other persons specifically licensed by the Commission or an Agreement State to per form such services. In addition, the licensee is authorized to collect leak test samples for analysis by persons specifically licensed by the Commission or an Agreement State to per form such services.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
21-16277-01

Docket or Reference Number
030-10713

Amendment No. 18

F. Records of leak tests results shall be kept in units of microcuries and shall be maintained for 3 years.

14. The licensee shall conduct a physical inventory every 6 months, or at 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. 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 financial assurance for decommissioning.

16. Sealed sources containing licensed material shall not be opened.

17. 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."

18. 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. 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 govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. Letter dated **June 6, 2006**.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JUL 2 6 2006

By _____
James R. Mullauer, M.H.S.
Materials Licensing Branch
Region III