



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

April 18, 2007

Docket No. 03001242
Control No. 140080

License No. 06-00649-03

Harry Evert
Vice President, Operations
Middlesex Hospital
28 Crescent Street
Middletown, CT 06457

SUBJECT: MIDDLESEX HOSPITAL, LICENSE AMENDMENT, CONTROL NO. 140080

Dear Mr. Evert:

This refers to your license amendment request. Enclosed with this letter is the amended license. The Cs-137 sealed sources listed under 7D and the authorization for Sr-90 have been removed from your license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).

Current NRC regulations and guidance are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Medical, Industrial, and Academic Uses of Nuclear Material**; then **Toolkit Index Page**. Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 9:00 p.m. EST, Monday through Friday (except Federal holidays).

Thank you for your cooperation.

Sincerely,

Original signed by Tara L. Weidner

Tara L. Weidner
Health Physicist
Medical Branch
Division of Nuclear Materials Safety

Enclosure:
Amendment No. 52

cc:
Joan Merton, Radiation Safety Officer

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SUNSI Review Complete: MSimmons

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DATE	4/18/07		4/18/07					

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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, 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.

<p style="text-align: center;">Licensee</p> <p>1. Middlesex Hospital</p> <p>2. 28 Crescent Street Middletown, Connecticut 06457</p>	<p>In accordance with the application dated January 24, 2007,</p> <p>3. License number 06-00649-03 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date June 30, 2013</p> <hr/> <p>5. Docket No. 030-01242 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.100</p> <p>B. Any byproduct material permitted by 10 CFR 35.200</p> <p>C. Any byproduct material permitted by 10 CFR 35.300</p> <p>D. Any byproduct material permitted by 10 CFR 35.400</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Sealed Sources [Best Medical International, Inc. Model 2301; IsoAid, L.L.C. Model IAI-125A (Advantage I-125)]</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As needed</p> <p>B. As needed</p> <p>C. 1000 millicuries</p> <p>D. 2000 millicuries</p>
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<p>9. Authorized use:</p> <p>A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.</p> <p>B. Any imaging and localization study permitted by 10 CFR 35.200.</p> <p>C. Any diagnostic study or therapy procedure permitted by 10 CFR 35.300.</p> <p>D. Any manual brachytherapy procedure permitted by 10 CFR 35.400.</p>
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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
06-00649-03

Docket or Reference Number
030-01242

Amendment No. 52

CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 28 Crescent Street, 530, 534 and 536 Saybrook Road, Middletown, Connecticut.
11. The Radiation Safety Officer for this license is Joan Merton.
12. Licensed material is only authorized for use by, or under the supervision of:
- A. Individuals permitted to work as an authorized user or authorized medical physicist in accordance with 10 CFR 35.13 and 35.14.
- B. The following individuals are authorized users for medical use as indicated:

Authorized Users

Material and Use

Kenneth I. Bird, M.D.	35.100; 35.200; Iodine-131 sodium iodide for imaging and localization studies
Ravi Jain, M.D.	35.100; 35.200; Oral administration of Iodine-131 in quantities less than or equal to 33 millicuries
Allen B. Silberstein, M.D.	35.300; 35.400
Joseph B. Weissberg, M.D.	35.300; 35.400
Diana Miller Hull, M.D., Ph.D.	35.100; 35.200; Oral administration of Iodine-131 in quantities less than or equal to 33 millicuries
Michael Crain, M.D.	35.100; 35.200; Iodine-131 sodium iodide for imaging and localization studies
Ramon Gonzales, M.D.	35.100; 35.200; Iodine-131 sodium iodide for imaging and localization studies
Eric J. Mannes, M.D.	35.100; 35.200; Iodine-131 sodium iodide for imaging and localization studies
Gregory N. Viscomi, M.D.	35.100; 35.200; Iodine-131 sodium iodide for imaging and localization studies
Craig A. Walden, M.D.	35.100; 35.200; Iodine-131 sodium iodide for imaging and localization studies
Erik Pingoud, M.D.	35.100; 35.200; Iodine-131 sodium iodide for imaging and localization studies
Jeffrey Takahashi, M.D.	35.100; 35.200; Iodine-131 sodium iodide for imaging and localization studies
Robert Wolek, M.D.	35.100; 35.200; 35.300

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
06-00649-03

Docket or Reference Number
030-01242

Amendment No. 52

Authorized Users

Todd J. Everett, M.D.

Nancy Rini, M.D.

Material and Use

35.100; 35.200; Iodine-131 sodium iodide for imaging and localization studies

35.100; 35.200; Iodine-131 sodium iodide for imaging and localization studies

13. 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.
14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
15. 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. 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. Application dated May 22, 2003 (ML031500504)
- B. Letter dated June 16, 2003 (ML031690461)

For the U.S. Nuclear Regulatory Commission

Date April 18, 2007

By Original signed by Tara L. Weidner

Tara L. Weidner
Medical Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406