NRC FORM 374



U.S. NUCLEAR REGULATORY COMMISSION

**Amendment No. 47**

# 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. PC02120 577640

| Licensee | |
|---|---|
| 1. Indiana University Health LaPorte Hospital<br>Department of Nuclear Medicine | In accordance with letter dated<br>**May 30, 2012,**<br>3. License No. 13-15151-01<br>is amended in its entirety to read as follows: |
| 2. 1007 Lincolnway<br>LaPorte, Indiana 46350-0250 | 4. Expiration Date: March 31, 2014<br>5. Docket No. 030-08653<br>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 | B. As needed |
| C. Any byproduct material permitted by 10 CFR 35.300 | C. Any | C. 5 curies |
| D. Any byproduct material permitted by 10 CFR 35.500 | D. Sealed sources identified in 10 CFR 35.500 (North American Scientific Model No. MED 3601 or DuPont Pharma Model No. NES 8412 and Isotope Products Model HEG-137) | D. 400 millicuries |
| E. Depleted uranium | E. Stainless steel covered metal | E. 4 shields, not to exceed 12 kilograms 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.

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

D. Diagnostic medical use of sealed sources permitted by 10 CFR 35.500 in compatible devices registered pursuant to 10 CFR 30.32(g).

E. Shielding in ADAC Laboratories MCD-AC attenuation correction system.

**MATERIALS LICENSE**
**SUPPLEMENTARY SHEET**

License No.
13-15151-01

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CONDITIONS

10. Licensed material may be used at the licensee's facilities located at 1007 Lincolnway, LaPorte, Indiana.

11. The Radiation Safety Officer (RSO) for this license is James C. Hatten.

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 and 35.14.

    B. The following individuals are authorized users for medical use as indicated:

| Authorized User | Material and Use |
|---|---|
| Hester Muller, M.D. | 10 CFR 35.100, 35.200, 35.300 and 35.500. |
| Smari Thordarson, M.D. | 10 CFR 35.100, 35.200, 35.300 and 35.500. |
| John E. DePersio, M.D. | 10 CFR 35.100, 35.200, and 35.300 (for iodine-131, oral administration of sodium iodide-131 in quantities less than or equal to 33 millicuries). |
| Krishna R. Pillai, M.D. | 10 CFR 35.100 and 35.200. |
| **Syed I. Ali, M.D.** | **10 CFR 35.100, 35.200 and 35.300 (for iodine-131, oral administration of sodium iodide-131 in quantities less than or equal to 33 millicuries).** |
| **Irfan Ahmad, M.D.** | **10 CFR 35.100, 35.200 and 35.300 (for iodine-131, oral administration of sodium iodide-131 in quantities less than or equal to 33 millicuries).** |

13. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

14. 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.

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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 received March 5, 2004;

    B. Letters dated June 9, 2005, October 14, 2005, November 1, 2006, December 27, 2006, October 27, 2010 (with attachments, excluding all references to Drs. Krisha Pillai, Syed Ali and Irfan Ahmad), January 27, 2011, and April 11, 2011;

    C. Facsimile letters dated September 6, 2005, September 8, 2005; and

    D. Facsimile (of e-mail) received February 15, 2007.

FOR THE U. S. NUCLEAR REGULATORY COMMISSION

Date AUG 15 2012

By _____
Bryan A. Parker
Materials Licensing Branch
Region III