

DL-041995_01

APR 19 1995

Johnston-Willis Hospital
ATTN: Mr. Paul Baldwin
Assistant Administrator
1401 Johnston-Willis Drive
Richmond, Virginia 23235-4789

SUBJECT: TRANSMITTAL AND EXPLANATION OF MATERIALS LICENSE
(REFERENCE CONTROL NO. 256379; DOCKET NO. 030-03313)

Gentlemen:

Enclosed is Amendment No. 45 to License No. 45-02888-01 issued in response to your application dated March 27, 1995. Revisions to your license are printed in BOLD typeface. Please review this document carefully and be sure that you understand all of its provisions. Based on a telephone conversation with Ms. Lenna Deletis of your staff on April 18, 1995, it is our understanding that the outdoors radioactive waste storage area referenced in your application will be secured against severe weather by means of anchoring, bolts, overhead fence enclosure or any other similar means, as appropriate.

If you have questions about this letter or your license, please call me at (404) 331-7880.

Sincerely,

Héctor Bermúdez
Nuclear Materials Licensing Section

Enclosure: Amendment No. 45

SEND TO PUBLIC DOCUMENT ROOM?				YES	NO
OFFICE	RII DRSS	RII DRSS	RII DRSS		
SIGNATURE					
NAME	HBermudez	JHanson	JPotter		
DATE	04/18/95	04/18/95	04/18/95	04/ / 95	04/ / 95
COPY?	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\DRSS\NMLS\256379T.HB

BETWEEN:

License Fee Management Branch, ARN
and
Regional Licensing Sections

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: (FOR LIMS USE)
:
: INFORMATION FROM LITS
: .....
:
: Program Code: 02120
: Status Code: 0
: Fee Category: 7C 2B
: Exp. Date: 19960228
: Fee Comments: CODE 33
: Decom Fin Assur Req'd: N
: .....

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1995 APR - 2 PM 12:47

LICENSE FEE TRANSMITTAL

A. REGION II

1. APPLICATION ATTACHED

Applicant/Licensee: JOHNSTON-WILLIS HOSPITAL
 Received Date: 950403
 Docket No: 3003312
 Control No.: 256379
 License No.: 45-02888-01
 Action Type: Amendment

2. FEE ATTACHED

Amount: \$ 00.00
 Check No.: 256379

3. COMMENTS

Signed _____
Date _____

Gregory D. Kelly

8. LICENSE FEE MANAGEMENT BRANCH-Check when milestone 03 is entered

1. Fee Category and Amount: 7C 2B 1500

2. Correct Fee Paid. Application may be processed for:

Amendment _____
 Renewal _____
 License _____

3. OTHER

Signed _____
Date _____

Michelle Higgins

MATERIALS LICENSE

Amendment No. 45

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. 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 with letter dated March 27, 1995
1. John-son-Willis Hospital	3. License Number 45-02888-01
	is amended in its entirety to read as follows:
2. 1401 Johnston-Willis Drive Richmond, Virginia 23235-4789	4. Expiration Date February 28, 1996
	5. Docket or Reference No. 030-03312

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 identified in 10 CFR 35.100	A. Any radiopharmaceutical identified in 10 CFR 35.100	A. As needed
B. Any byproduct material identified in 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200	B. As needed
C. Any byproduct material identified in 10 CFR 35.300	C. Any radiopharmaceutical identified in 10 CFR 35.300	C. As needed; not to exceed 10 curies of I-131 total
D. Any byproduct material identified in 10 CFR 35.400	D. Any brachytherapy sources identified in 10 CFR 35.400	D. As needed
E. Any byproduct material identified in 10 CFR 31.11	E. Prepackaged Kits	E. As needed; not to exceed 10 curies of I-131 total
F. Strontium 90	F. Special Lead Sources (Radiochemical Centre Model SL01)	F. 10 millicuries
G. Depleted Uranium	G. Metal	G. 400 pounds (182 kilograms)

9505110302 950418
PDR ADDOCK 03003312
C PDR

[Handwritten signature]

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number 45-02888-01

Docket or Reference Number 030-03312

Amendment No. 45

9. Authorized Use:

- A. Medical use identified in 10 CFR 35.100.
- B. Medical use identified in 10 CFR 35.200.
- C. Medical use identified in 10 CFR 35.300.
- D. Medical use identified in 10 CFR 35.400.
- E. Clinical in vitro studies.
- F. For use in a Nuclear Enterprises Model 2503 Thimble Calibrator for the calibration of instruments.
- G. For use as shielding in a linear accelerator.

CONDITIONS

- 10. Location(s) of use: Johnston-Willis Hospital
1401 Johnston-Willis Drive
Richmond, Virginia
- 11. A. Radiation Safety Officer: John L. Thornton, M.D.
- B. Alternate Radiation Safety Officer: Russell O. Briere, M.D.
- 12. Authorized User(s):
 - A. Russell O. Briere, M.D. for medical uses identified in 10 CFR 31.11, 35.100, 35.200, 35.300
 - B. John L. Thornton, M.D. for medical uses identified in 10 CFR 31.11, 35.100, 35.200 and Phosphorus 32 as soluble phosphate for treatment of polycythemia vera, leukemia and bone metastases.
 - C. Hampton R. Bates, Jr., M.D. for medical uses identified in 10 CFR 31.11, 35.100, 35.200 and Iodine 131 for treatment of hyperthyroidism, cardiac dysfunction and thyroid carcinoma.
 - D. Fabio Gutierrez, M.D. for medical uses identified in 10 CFR 31.11, 35.100 and 35.200.
 - E. George W. Thomas, M.D. for medical uses identified in 10 CFR 31.11, 35.100, 35.200 and 35.300.
 - F. Richard Belgrad, M.D. for medical uses identified in 10 CFR 35.300, 35.400, Strontium 90 as a sealed source for instrument calibration and Depleted Uranium for use as shielding in a linear accelerator.
 - G. Khalil S. Zarkoub, M.D. for medical uses identified in 10 CFR 35.300 and 35.400.
 - H. Alfred Strash, Ph.D. for Strontium 90 as a sealed source for instrument calibration.
- 13. sealed sources containing Iodine 131 shall not be opened by the licensee
- 14. The licensee shall maintain records of information important to safe and effective decisions being made at the location specified in Item 10 in accordance with the provisions of 10 CFR 30.35(g), until the records are terminated by the Commission.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

45-02888-01

Docket or Reference Number

030-03312

Amendment No. 45

(cont.)

CONDITIONS

- 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 decommissioning financial assurance.
- 16. Except as specifically provided otherwise in this license and in 10 CFR 35.31, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. 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.
 - A. Letter with attachments dated July 25, 1990
 - B. Letter with attachments dated February 4, 1991
 - C. Letter with attachments dated March 27, 1995 [additional place of use, authorized user qualifications and outdoor waste storage area]

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

JAY L. THINSON

Date APR 8 1995

By: 
 Region II, Nuclear Materials License and Safety
 101 Marietta Street, Suite 2000
 Atlanta, GA 30333