

## MATERIALS LICENSE

Amendment No. 17

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.

## OFFICIAL RECORD COPY

Licensee		In accordance with the letter dated January 16, 1997, 3. License Number 07-14900-01 is amended in its entirety to read as follows:	
1. Milford Memorial Hospital			
2. Clarke Avenue Milford, Delaware 19963-0199		4. Expiration Date September 30, 2003	
		5. Docket or Reference No. 030-08228	
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 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200	B. As needed	
C. Any byproduct material identified in 10 CFR 31.11	C. Prepackaged Kits	C. 5 millicuries	
9. Authorized use			
A. Any uptake, dilution and excretion procedure approved in 10 CFR 35.100.			
B. Any imaging and localization procedure approved in 10 CFR 35.200.			
C. <u>In vitro</u> studies.			

## CONDITIONS

10. Licensed material may be used only at the licensee's facilities located at Clarke Avenue, Milford, Delaware.
11. The Radiation Safety Officer for this license is Robert J. Paul, Jr., M.D.
12. Licensed material listed in Item 6 above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:

Authorized UsersMaterial and Use

Jeffrey Jackson, D.O.

35.100; 35.200

Edward J. Goldstein, M.D.

35.100; 35.200; In vitro studies

Robert J. Paul, Jr., M.D.

35.100; 35.200; In vitro studies

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number

07-14900-01

Docket or Reference Number

030-08228

Amendment No. 17

Jonathan Patterson, M.D.

35.100; 35.200; In vitro studies

13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material so that at no time is a quantity of radioactive material possessed in excess of a quantity which requires decommissioning funding in accordance with 10 CFR 30.35(d), 10 CFR 40.36(b) or 10 CFR 70.25(d).
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. 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. Application dated February 10, 1993
  - B. Letter dated August 13, 1993
  - C. Letter dated August 18, 1993
  - D. Letter dated December 20, 1995
  - E. Letter dated February 5, 1996
  - F. Letter dated October 23, 1996
  - G. Letter dated January 16, 1997

For the U.S. Nuclear Regulatory Commission

**ORIGINAL SIGNED BY:  
JO ANN V. STAMBAUGH**

Date JAN 31 1997

By

Nuclear Materials Safety Branch  
Region I  
King of Prussia, Pennsylvania 19406

JAN 31 1997

Mr. Joseph K. Whiting  
Administrator  
Milford Memorial Hospital  
Clarke Avenue  
Milford, DE 19963

Dear Mr. Whiting:

This refers to your license amendment request. Enclosed with this letter is the amended 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) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

Thank you for your cooperation.

Sincerely,

Original Signed By:

JoAnn V. Stambaugh  
Division of Nuclear Materials Safety

License No. 07-14900-01  
Docket No. 030-08228  
Control No. 124134

Enclosure:  
Amendment No. 17

DOCUMENT NAME: R:\WPS\MLTR\LO714900.01

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI				
NAME	Stambaugh/jvs	9/3					
DATE	01/23/97	1/24/97	01/ /97	01/ /97	01/ /97	01/ /97	

OFFICIAL RECORD COPY **ML 10**



030-08228

January 16, 1997

U.S. Nuclear Regulatory Commission  
Region I  
Nuclear Material Section B  
475 Allendale Road  
King of Prussia, PA 19406

RE: Close out survey  
License No. 07-14900-01  
Docket No. 030-08228  
Milford Memorial Hospital

Gentlemen:

We are requesting the release of the area previously utilized for remote waste storage (Amendment #15). An appropriate close-out survey was conducted by Ms. Karen Ounan, CNMT and reviewed by Robert J. Paul, M.D., Radiation Safety Officer on December 20, 1996. The close-out survey consisted of exposure rate monitoring and wipe test analysis. Results have been enclosed.

Any questions regarding the above matter may be directed to Lisa A. Cole-Dimmick, consultant, Krueger-Gilbert Health Physics, Inc. at (410) 628-2225 or Robert J. Paul, M.D., Radiation Safety Officer at (302) 422-5670.

Sincerely,

Robert J. Paul, M.D.  
Radiation Safety Officer

Enclosures: Diagram & Wipe Test Results

CLARKE AVENUE  
P.O. BOX 199  
MILFORD, DE  
19963-0199  
(302) 422-3311

OFFICIAL RECORD COPY

ML 10

1 2 4 1 3 4

JAN 21 1997

CONTINUATION of 123856

VHA.

Member of  
Voluntary Hospitals  
of America, Inc. ®

Milford Memorial Hospital  
License #07-14900-01  
Close out Survey  
Remote Waste Storage  
December 20, 1996

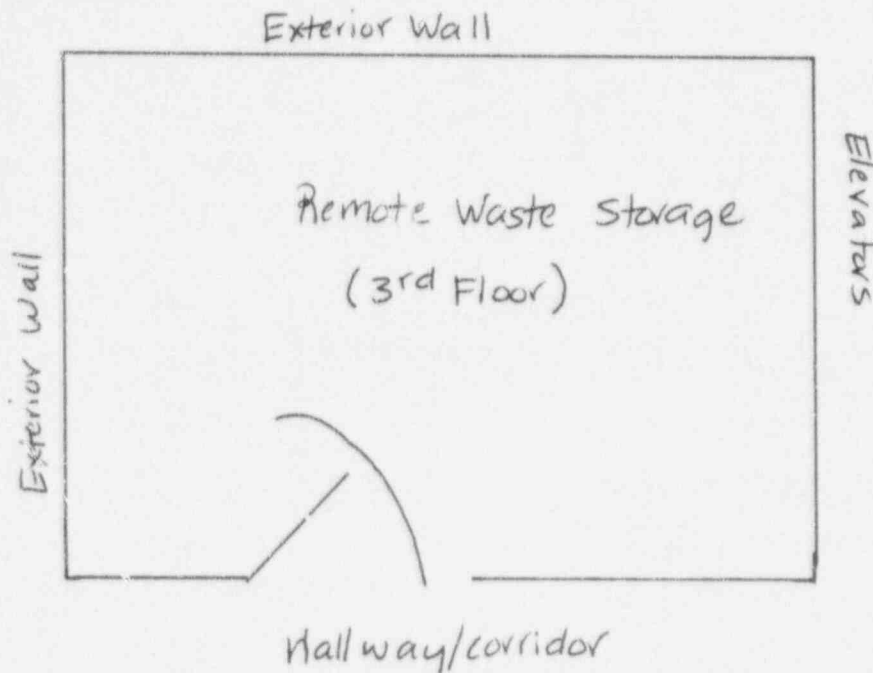


DIAGRAM NOT TO SCALE/LCD

Ambient exposure levels in and around the waste storage area were surveyed. All areas were equivalent to background exposure (i.e., 0.02 mR/hr). Survey meter used: Eberline E-120, SN 12288; Last calibration: September 13, 1996.

Wipe tests were conducted on 100 cm<sup>2</sup> areas using absorbent paper. Results are attached.

Instrument: Ludlum 261 Spectrometer; Last calibration: June 10, 1996

Detector Efficiency: Cs-137 (6523 KeV) = 12.0%

Ba-133 (355 KeV) = 22.2%

Co-57 (122 KeV) = 33.2%

The minimal detectable activity (MDA) was determined using clinical efficiency of 22% for clinical energies of 50 to 400 KeV.  $MDA = 2.42 \times 10^{-4} \mu\text{Ci}$ .

All samples were less than 200 Net dpm/100 cm<sup>2</sup>.

### EXPOSURE RATE RESULTS

Background: 0.02 mR/hr  
Inside room: 0.02 mR/hr  
Outside room: 0.02 mR/hr

### WIPE TEST RESULTS

<u>Area</u>	<u>CPM</u>	<u>net DPM/100 cm<sup>2</sup></u>
door	916	Less than background
door knob	923	9.1
floor	925	18.2
floor	914	Less than background
floor	919	Less than background
floor	928	31.8
floor	911	Less than background
floor	918	Less than background
floor	926	22.7
floor	923	9.1

Background: 921 CPM



BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM  
AND  
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)  
INFORMATION FROM LTS  
-----

PROGRAM CODE: 02120  
STATUS CODE: 0  
FEE CATEGORY: 7C  
EXP. DATE: 20030930  
FEE COMMENTS: -----  
DECOM FIN ASSUR REQD: N  
.....

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: MILFORD MEMORIAL HOSPITAL  
RECEIVED DATE: 970121  
DOCKET NO: 3008228  
CONTROL NO.: 124134  
LICENSE NO.: 07-14900-01  
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: -----  
CHECK NO.: -----

3. COMMENTS

CONTINUATION OF 123856.

SIGNED  
DATE

M. A. Perkins  
1/22/97

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN LICENSE FEE IS ENTERED) 1)

1. FEE CATEGORY AND AMOUNT: 7C **FEE NOT REQUIRED**  
Cont of 123856

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

AMENDMENT -----  
RENEWAL -----  
LICENSE -----

3. OTHER -----

SIGNED  
DATE

-----  
-----

RECEIVED BY LFDCB	
Date	1/27/97
	<u>JBH</u> I(97)
	6B
File Transmitted	1/29/97

1997 JAN 27 AM 10:12