

## MATERIALS LICENSE

Amendment No. 11

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.

302201

Licensee		In accordance with letter dated December 23, 1996	
1. Salem Memorial District Hospital Nuclear Medicine Department		3. License Number 24-18891-01 is amended in its entirety to read as follows:	
2. P.O. Box 774 Salem, Missouri 65560		4. Expiration Date December 31, 2005	
		5. Docket or Reference No. 030-17320	
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 (excluding xenon-133)	B. Any radiopharmaceutical identified in 10 CFR 35.200 (excluding xenon-133)	B. As needed	
9. Authorized Use:			
A. Medical use described in 10 CFR 35.100.			
B. Medical use described in 10 CFR 35.200 (excluding xenon-133).			

CONDITIONS

10. Locations of Use:
- A. Licensed material shall be received, used, and stored at the licensee's facility located at Hwy 72 N., Salem, Missouri.
  - B. Licensed material (excluding generators) may be used at temporary job sites of medical care facilities anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.

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PDR ADOCK 03017320  
C PDR

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MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number

24-18891-01

Docket or Reference Number

030-17320

Amendment No. 11

11. Radiation Safety Officer: Qasim M. Bajwa, M.D.
12. Authorized Users: Qasim M. Bajwa, M.D. or Wendell Henderson, D.O.
13. Pursuant to Title 10, Chapter 1, Code of Federal Regulations, Part 40, "Domestic Licensing of Source Material," the licensee is authorized to possess, use, transfer, and import up to 999 kilograms of depleted uranium contained as shielding material in the molybdenum-99/technetium-99m generators authorized by this license.
14. 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, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. 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 April 20, 1995; and
- B. Letters dated July 15, 1996, and December 23, 1996.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date 1/17/97

By

James Mullawer  
Nuclear Materials Licensing Branch, Region III

COPY

JAN 22 1997

Dennis P. Pryor, Administrator  
Salem Memorial District Hospital  
Nuclear Medicine Department  
P.O. Box 774  
Salem, MO 65560

Dear Mr. Pryor:

Enclosed is Amendment No. 11 to your NRC Material License No. 24-18891-01 in accordance with your request.

Please note that Dr. Yates was deleted from your NRC license in accordance with your letter dated May 6, 1996.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,

Original Signed By  
James R. Mullauer  
Health Physicist  
Nuclear Materials Licensing Branch

License No. 24-18891-01  
Docket No. 030-17320

Enclosures:

1. Amendment No. 01
2. Ltr dated 05/06/96

DOCUMENT NAME: M:\03017320.CL7

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	DNMS/RIII								
NAME	JRMullauer:brt								
DATE	01/22/97								

OFFICIAL RECORD COPY

302201



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION III  
801 WARRENVILLE ROAD  
LISLE, ILLINOIS 60532-4351  
January 13, 1997

Dennis P. Pryor  
Administrator  
Salem Memorial District Hospital  
Nuclear Medicine Department  
P. O. Box 774 - HWY. 72 N.  
Salem, MO 65560

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE  
(Letter Dated 12/23/96)

Dear Licensee:

In response to your request, we have completed the initial processing, which is an administrative review of your application for a(n):

☐ New License                      ☒ Amendment                      ☐ Renewal  
☐ Termination                      ☐ Auth User (Amendment not required)  
☐ Other \_\_\_\_\_

No administrative deficiencies were identified during this initial review. However, it should be noted that a technical review may identify omissions in the submitted information.

It appears that your request is routine (see 1-3 below, as applicable).

1. New and amendment actions are normally processed within 90 days, unless we find major deficiencies, or policy issues requiring central program office assistance.
2. Renewal actions are normally processed within 180 days, however, under timely filing (before expiration), you may continue to operate under your existing license.
3. Termination actions are normally processed within 90 days, unless confirmatory surveys following decontamination/decommissioning activities are involved.

A copy of your correspondence has been forwarded to our Licensing Fee and Debt Collection Branch (301/415-6097) for approval of the fee category and amount, if required.

If you have a compelling safety or business-related reason for requesting expedited review, please contact the Materials Licensing Branch at (630) 829-9887. We will try to complete your request as soon as practicable. Any correspondence about this request should reference the control number.

Nuclear Materials Support Branch

Mail Control No. 302201  
License No. 24-18891-01



BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

(FOR LFMS USE)  
INFORMATION FROM LYS

Program Code: 02220  
Status Code: 0  
Fee Category: 7C  
Exp. Date: 20051231  
Fee Comments: CODE 16  
Decom Fin Assur Req: N  
.....

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: SALEM MEMORIAL DISTRICT HOSPITAL  
Received Date: 970108  
Docket No: 3017320  
Control No.: 302201  
License No.: 24-18891-01  
Action Type: Amendment

2. FEE ATTACHED

Amount: ~~-----~~  
Check No.: ~~-----~~

\* Addl Info  
301608 - R4

3. COMMENTS

Signed D. Hersey  
Date 1-13-97

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / ✓)

1. Fee Category and Amount: 7C **NOT REQUIRED**

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

Amendment -----  
Renewal -----  
License -----

3. OTHER

Signed SC  
Date 1/21/97

JAN 28 1997

RECEIVED BY LFDCB	
Date	<u>Jan. 17, 1997</u>
Log	<u>Jan 6 III</u>
By	<u>SC</u>
Date Completed	<u>1/21/97</u>

# SMDH

District Hospital

P.O. BOX 774 • (HIGHWAY 72 N.)  
SALEM, MISSOURI 65560  
(573) 729-6626

*December 23, 1996*

*United States Nuclear Regulatory Commission  
Region III  
801 Warrenville Rd.  
Lisle, Illinois 60532-4351*

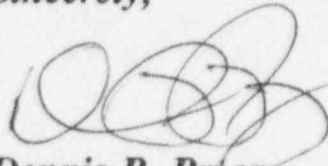
*RE: License # 24-18891-01  
Docket # 030-17320*

*Dear N.R.C.:*

*Our Nuclear Medicine Department was relocated on 12/20/96.  
Enclosed are the radiation levels and surface contamination found in the  
old nuclear medicine area after vacating.*

*We look forward to your letter authorizing us to release the old area  
for unrestricted use.*

*Sincerely,*



*Dennis P. Pryor  
Administrator*

*Enc: 1) old keyed diagram  
2) page of readings*

*DPP/lka*

*NOT REQUIRED  
Continued 301608*

*Pm: 12-24-96*

*"Commitment to Caring"*

**RECEIVED**

**JAN 08 1997**

**REGION III**

*302201*

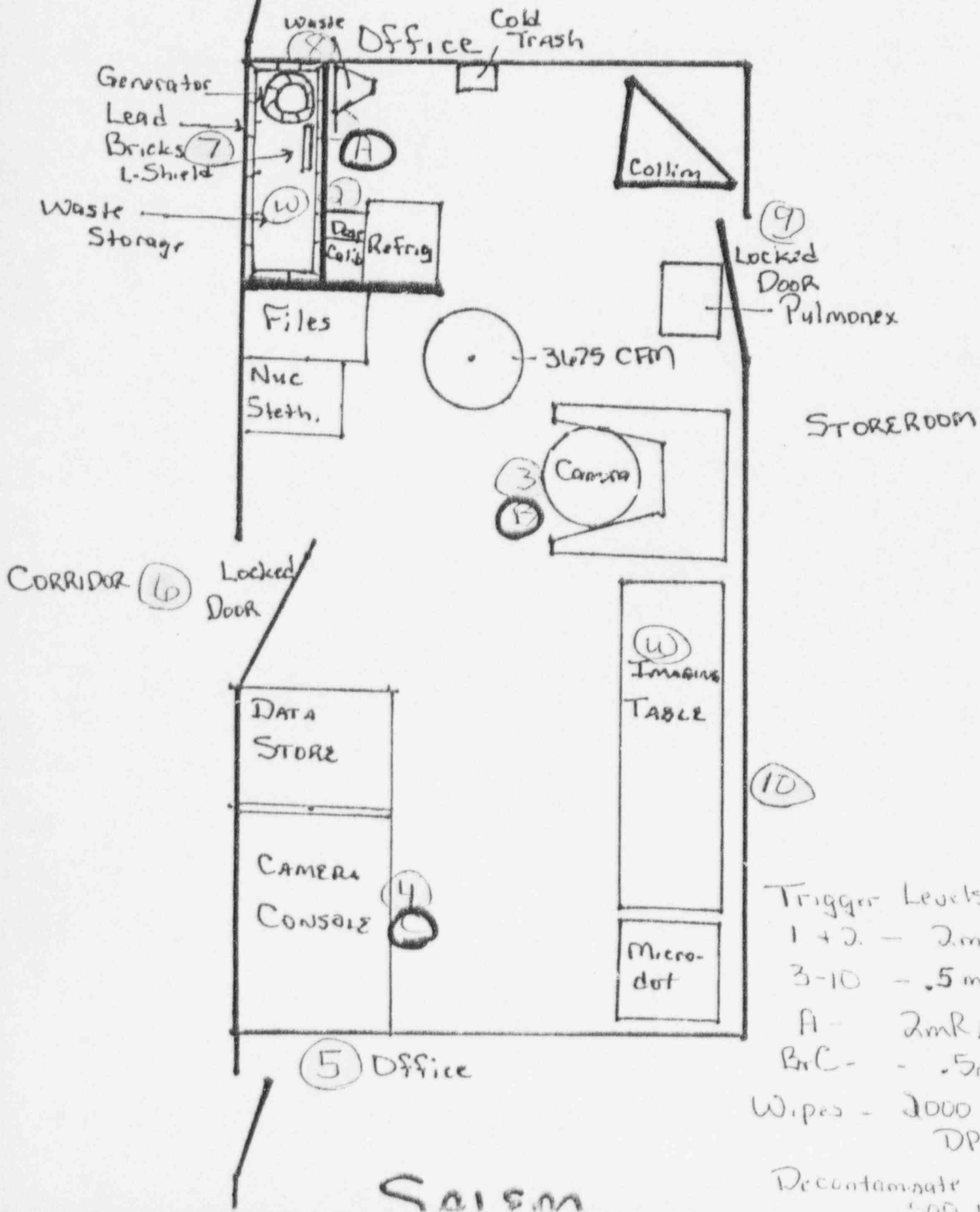
**JAN 08 1997**

**SALEM MEMORIAL DISTRICT HOSPITAL  
SALEM, MISSOURI 65560**

<u>Key on Diagram</u>	<u>Survey(gross results)</u>	<u>Wipe/100cm2 (gross data)</u>
1	0.0002 mSv/hr(20 uR/hr)	2.2E-7 MBq(13 dpm)
2	0.0002 mSv/hr(20 uR/hr)	3.3E-7 MBq(20 dpm)
3	0.0002 mSv/hr(20 uR/hr)	2.7E-7 MBq(16 dpm)
4	0.0002 mSv/hr(20 uR/hr)	3.7E-7 MBq(22 dpm)
5	0.0002 mSv/hr(20 uR/hr)	2.7E-7 MBq(16 dpm)
6	0.0002 mSv/hr(20 uR/hr)	2.0E-7 MBq(12 dpm)
7	0.0002 mSv/hr(20 uR/hr)	1.7E-7 MBq(10 dpm)
8	0.0002 mSv/hr(20 uR/hr)	3.0E-7 MBq(18 dpm)
9	0.0002 mSv/hr(20 uR/hr)	2.0E-7 MBq(12 dpm)
10	0.0002 mSv/hr(20 uR/hr)	2.7E-7 MBq(16 dpm)
BKG	0.0002 mSv/hr(20 uR/hr)	3.0E-7 MBq(18 dpm)

1. Surveys performed with a Ludlum 14C, serial number 56994, last calibrated on 9/96, daily Cs-137 constancy was accurate on 12/20/96.
2. Wipes were performed with a Victoreen Eluxe Wipe Counter, model number 05-578, serial number 5-1296, daily Cs-137 constancy was accurate on 12/20/96.
3. Close-out was performed by Dan Whitaker, CNMT, on 12/20/96.
4. No significant readings were observed above background.

**Dan Whitaker, CNMT**



Trigger Levels  
 1 + 2 - 2mR/h  
 3-10 - .5mR/h  
 A - 2mR/h  
 BrC - .5mR/h  
 Wipes - 2000 Net DPM

Decontaminate after  
 500 net