

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, 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.

94174

<p>Licensee</p> <p>1. Kaiser Permanente Medical Center</p> <p>2. 12301 Snow Road Parma, OH 44130</p>		<p>3. License number 34-26092-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date February 28, 1995</p> <p>5. Docket or Reference No 030-31430</p>
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material identified in 10 CFR 35.100</p> <p>B. Any byproduct material identified in 10 CFR 35.200</p> <p>C. Any byproduct material identified in 10 CFR 35.300</p> <p>D. Any byproduct material identified in 10 CFR 35.500</p>	<p>7. Chemical and/or physical form</p> <p>A. Any radiopharmaceutical identified in 10 CFR 35.100</p> <p>B. Any radiopharmaceutical identified in 10 CFR 35.200</p> <p>C. Any radiopharmaceutical identified in 10 CFR 35.300</p> <p>D. Sealed sources identified in 10 CFR 35.500</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. As needed</p> <p>D. As needed</p>

9. Authorized Use:
- A. Medical use described in 10 CFR 35.100.
- B. Medical use described in 10 CFR 35.200.
- C. Medical use described in 10 CFR 35.300.
- D. Medical use described in 10 CFR 35.500.

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PDR ADOCK 03031430  
C PDR

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m-30 pd

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number  
34-26092-01

Docket or Reference number  
030-31430

Amendment No. 04

CONDITIONS

10. Location of Use: 12301 Snow Road, Parma, Ohio.
11. Radiation Safety Officer: Patricia L. Tisdale, M.D.
12. Authorized Users:
  - A. Kwan Woo Nam, M.D., for material in 10 CFR 35.100, 35.200, 35.300, and 35.500.
  - B. D. Bruce Sodee, M.D., for material in 10 CFR 35.100, 35.200, 35.300 and 35.500.
  - C. Craig R. George, M.D., for material in 10 CFR 35.100, 35.200, and 35.500.
  - D. John W. Sampliner, M.D., for material in 10 CFR 35.100, 35.300 and 35.500.
  - E. Patricia L. Tisdale, M.D., for material in 10 CFR 35.100, 35.200, 35.300 and 35.500.
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. The licensee shall maintain records of information important to safe and effective decommissioning at 12301 Snow Road per the provisions of 10 CFR 35.35(g) until this license is terminated by the Commission.
15. This license is based on the licensee's statements and representations listed below:
  - A. Application dated December 7, 1939, February 28, 1992.
  - B. Letter dated January 31, 1990 and October 12, 1992.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date NOV 3 1992

By Deborah A. Jordan  
Materials Licensing Section, Region III

COPY

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: 19950228  
FEE COMMENTS:  
DECOM FIN ASSUR-REDDT-R

LICENSE FEE TRANSMITTAL

A. REGION III

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: KAISER PERMANENTE MEDICAL CENTER  
RECEIVED DATE: 921021  
DOCKET NO: 3031430  
CONTROL NO.: 394174  
LICENSE NO.: 34-26092-01  
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: 0  
CHECK NO.: 0

3. COMMENTS

SIGNED  
DATE

Deborah Hensley  
10/22/92

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED (1))

1. FEE CATEGORY AND AMOUNT: 7C

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

AMENDMENT ✓  
RENEWAL \_\_\_\_\_  
LICENSE \_\_\_\_\_

3. OTHER \_\_\_\_\_

SIGNED  
DATE

Rita Jacques  
10/27/92

RECEIVED

OCT 29 1992

REGION III



October 12, 1992

*Additional  
info to  
393148.*

U.S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60127

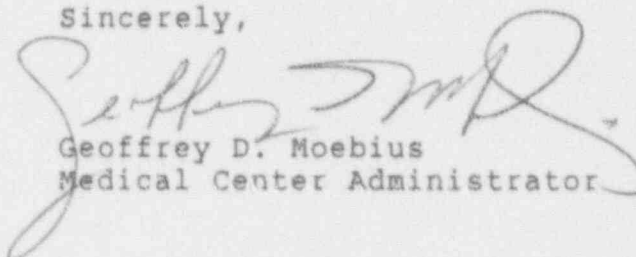
RE: NRC License #34-26092-01, Amendment #3, Close Out Survey

Gentlemen:

In accordance with statements made in your correspondence to us dated April 22, 1992, attached is a close-out survey of our nuclear medicine suite. This facility has been abandoned and the new nuclear medicine department occupied in accordance with statements made in our license application submitted to you on February 28, 1992.

If you have any questions on the attached information, please feel free to call. Otherwise, we await release of the facility pending notification from your office.

Sincerely,

  
Geoffrey D. Moebius  
Medical Center Administrator

RECEIVED BY LFMS	
Date	10/26/92
Log	Oct 14 III
By	Ry
Date Completed	10/29/92

PM: 10-13-92

Parma Medical Center  
12301 Snow Road • Parma, OH 44130 • 362-2000

FEE NOT REQUIRED

*Close out survey 393148*

RECEIVED

OCT 21 1992

REGION III

CONTROL NO.

94174

## CLOSE OUT SURVEY

Date: 9/24/92

Name: Kaiser Permanente Medical Center  
12301 Snow Road  
Parma, Ohio 44130

NRC License: #34-26092-01, Amendment #3

Survey Instrument: Victoreen 493 Model #: 493 Serial #: 155

Last Calibration Date of Survey Meter: 2/24/92

Check Source Reading: 1.6mR/hr

Wipe Test Analyzer: Tennelec Well Counter Single Channel Analyzer

Last Calibration: Day of use using Cs-137

Wipe Test Window: 50-650 KeV

Minimum Detectable Activity: 45 dpm with Co-57, 111 dpm with Ba-133, 200 dpm with Cs-137.

Well Counter Efficiency: 95.2% with Co-57, 27.9% with Ba-133, 8.5% with Cs-137.

Wipe Analysis Background: 281 cpm G-M Survey Background: 0.00 - 0.02 mR/hr

Surveyors: Mary Jo DiZinno, Chief Technologist, Kaiser Permanente Medical Center  
Frank Bloer, NMA Medical Physics Consultation.

### Area Surveyed:

A complete contact survey using a G-M survey meter on the lowest range was conducted in the dismantled hot lab and imaging rooms. Specific areas were surveyed as identified on the attached diagram and survey results indicated no exposure levels were in excess of 0.02mR/hr.

CONTROL NO. 94174

TO BE PLACED ON LETTERHEAD STATIONERY

U.S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 601327

RE: NRC License #34-26092-01, Amendment #3, Close Out Survey

Gentlemen:

In accordance with statements made in your correspondence to us dated April 22, 1992, attached is a close-out survey of our nuclear medicine suite. This facility has been abandoned and the new nuclear medicine department occupied in accordance with statements made in our license application submitted to you on February 28, 1992.

If you have any questions on the attached information, please feel free to call. Otherwise, we await release of the facility pending notification from your office.

Administrator

CONTROL NO. 94174



### Surface Wipe Tests:

Surface wipe tests were performed using Nu-Con dry smears. Surfaces wiped included the hot lab, counters, storage areas and floor, and imaging room counter tops and floors as indicated on the attached diagram and summary sheet of wipe test results. The wipe test results were recorded in net cpm. Conversion to dpm was not done since no identifiable contamination was observed.

### Results:

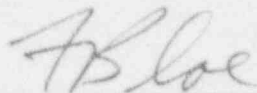
All surveys produced background readings from the survey meter and wipe test analysis.

### Conclusion:

No radiation levels above background were detected. No removable contamination was found.

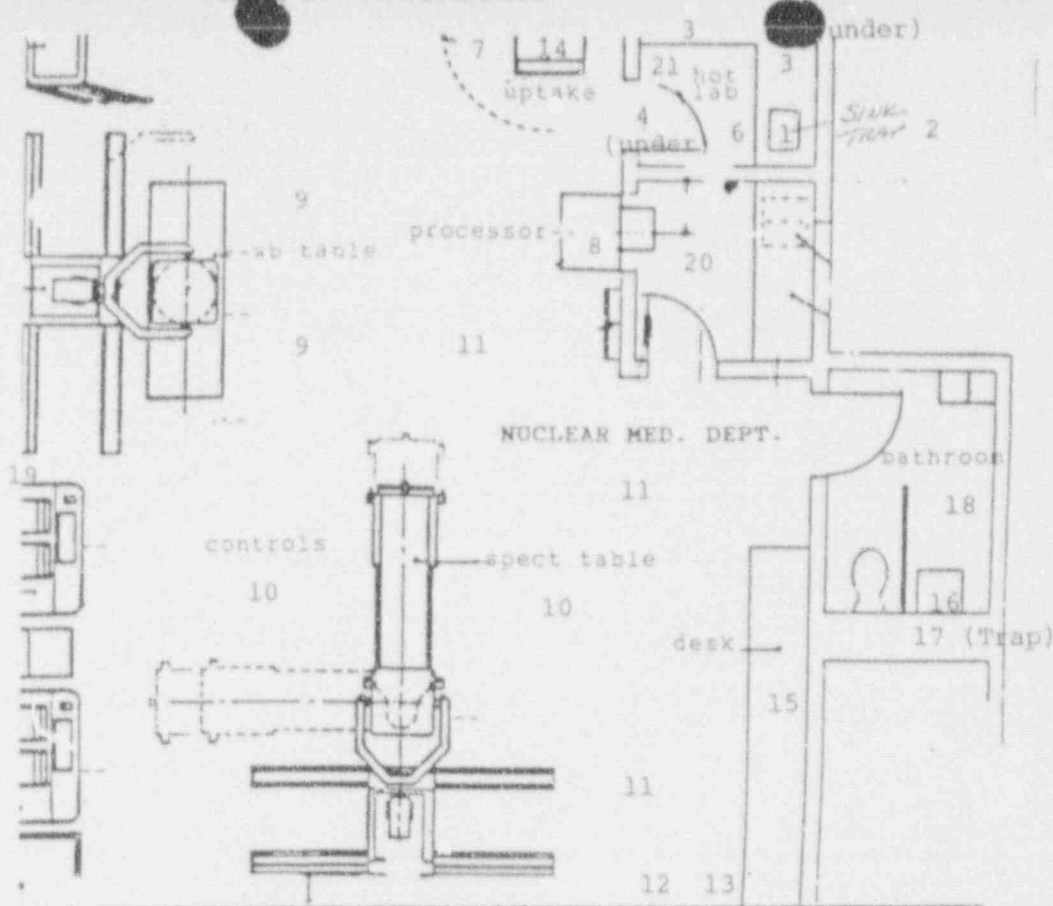
### Recommendations:

Signs indicating the presence of radioactive materials in the former hot lab and the nuclear medicine imaging suite should be removed or defaced. Upon acknowledgement from the NRC of the receipt and acceptance of the above survey results, the room can be released for unrestricted use.



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Frank T. Bloer, Consultant



CLOSE-OUT SURVEY  
AREA SURVEYS  
and  
WIPE TESTS

Area	G-M Survey mR/hr	Wipe in net cpm
Sink	0.01	12
Trap	0.01	
Counter top	0.01	12
Hot Lab Floor	0.0	12
Inside Waste Storage	0.0	53
Aerosol Waste Storage	0.01	53
Dr's Reading Room	0.02	53
X-OMAT	0.01	19
Imaging Room	0.01	43
Floor		
200SX camera		
Imaging Room Floor	0.01	43
300 SX camera		
Floor	0.02	43
Door Handle	0.02	19
Light Switch	0.01	19
Uptake Probe Area	0.01	37
Desk Top	0.01	17
Lavatory Sink	0.01	43
Lavatory Trap	0.01	
Lavatory Floor	0.01	43
Circuit Breaker Box	0.01	37
Dark Room	0.01	37
Storage Drawers (Wipes Only)		53
Background	0.02	281 (gross)

Patricia Tisdale, M.D.

Mary Jo Dizunno, R.T.

*Frank Blooe*  
Frank Blooe, Consultant

CONTROL NO. 94174



NOV 04 1992

Kaiser Permanente Medical Center  
ATTN: Geoffrey Moebius  
Administrator  
12301 Snow Road  
Parma, OH 44130

Dear Mr. Moebius:

Enclosed is Amendment No. 04 to your NRC License No. 34-26092-61 in accordance with your request.

Please note that this amendment authorizes you to release your old "hot lab" for unrestricted use.

Please review the enclosed document carefully and be sure that you understand all conditions. You must conduct your program involving radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Possess radioactive material only in the quantity and form indicated in your license.
3. Use radioactive material only for the purpose(s) indicated in your license.
4. Notify NRC in writing of any change in mailing address.
5. Request and obtain appropriate amendment if you plan to change ownership of your organization, change locations of radioactive material, or make any other changes in your facility or program which are contrary to your license conditions or representations made in your license application and any supplemental correspondence with NRC. Any amendment request should be accompanied by the appropriate fee specified in 10 CFR Part 170.
6. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.

94174

NOV 04 1992

7. Request termination of your license if you plan to permanently discontinue activities involving radioactive material prior to your expiration date.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations in your license application will result in enforcement action against you in accordance with the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

If you have any questions or require clarification of any of the above stated information, contact us at (708) 790-5625.

Sincerely,

Original Signed By  
Deborah A. Piskura  
Materials Licensing Section

Enclosure: Amendment No. 04

R111

*DP*  
Piskura/jaw

11/3/92