

MATERIALS LICENSE

Amendment No. 16

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.

302108

Licensee		In accordance with letter dated November 26, 1996	
1. Missouri De. Medical Center		3. License Number 24-12876-02 is amended in its entirety to read as follows:	
2. 1008 North Main Street Sikeston, MO 63801-5099		4. Expiration Date October 31, 2000	
		5. Docket or Reference No. 030-02377	
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 (excluding iodine-131 for thyroid carcinoma)	C. As needed	
D. Any byproduct material identified in 10 CFR 35.500	D. Sealed sources identified in 10 CFR 35.500	D. As needed	

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 (excluding iodine-131 for thyroid carcinoma).

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PDR ADOCK 03002377
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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

24-12876-02

Docket or Reference Number

030-02377

Amendment No. 16

- D. Medical use described in 10 CFR 35.500 in devices which have been evaluated and approved for licensing purposes by the U.S. Nuclear Regulatory Commission or an Agreement State.

CONDITIONS

10. Location of Use: 1008 North Main Street, Sikeston, Missouri.
11. Radiation Safety Officer: Laghaieh Rezvani, M.D.
12. Authorized Users:
- A. Robert S. Colbert, M.D., for material in 10 CFR 35.100, 35.200, 35.300 (excluding iodine-131 for thyroid carcinoma) and 35.500.
 - B. Laghaieh Rezvani, M.D., for material in 10 CFR 35.100, 35.200 and 35.500.
 - C. Mahmoud Ziaee, M.D., for material in 10 CFR 35.100, 10.200 and 35.500.
13. Leak tests shall be performed by Radiation Consultants of Mid-America, Inc., or by persons specifically authorized by the Commission or Agreement State to perform such services.
14. The licensee is based on the licensee's statements and representations listed below:
- A. Application dated July 19, 1990; and
 - B. Letters dated July 25, 1990 (with attachments), August 21, 1990 (excluding Item 7), December 12, 1990 (excluding Item 3.) (with attachments), February 16, 1991 (with attachments), May 19, 1991, August 1992, (received September 8, 1992, November 26, 1996 and January 9, 1997.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date 29 January 1997By William P. Rudolph
Nuclear Materials Licensing Branch, 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 2B
Exp. Date: 20001031
Fee Comments: CODE 23
Decom Fin Assur Req'd: N

S7

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: MISSOURI DELTA COMMUNITY HOSPITAL
Received Date: 961210
Docket No: 3002377
Control No.: 302108
License No.: 24-12876-02
Action Type: Amendment

2. FEE ATTACHED

Amount: 440
Check No.: 1133232

3. COMMENTS

Signed
Date

D. Harney
12-18-96

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

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

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

Amendment ☒
Renewal
License

3. OTHER

Signed
Date

SC
12/22/96

1996 DEC 19 PM 3:20

Log	<i>Dec 6 IV</i>
Remitter	
Check No.	<i>88538</i>
Amount	<i>\$440</i>
Fee Category	<i>7C 2B</i>
Type of Fee	<i>AmD</i>
Date Check Rec'd	<i>12/19/96</i>
Date Completed	<i>12/22/96</i>
By	<i>SC</i>



Missouri Delta Medical Center

November 26, 1996

U. S. Nuclear Regulatory Commission
Region III
Licensing Section
801 Warrenville Road
Lisle, IL 60532-4351

RE: Amendment to Materials License #24-12876-02

Dear Sir or Madam:

Please amend the above referenced radioactive materials license for Missouri Delta Medical Center. These changes are as follows:

1. Please add Mahmoud Ziaee, M.D. to our license as an authorized user for materials identified in 10 CFR 35.100, 35.200, and 35.500. Attached is a copy of a license for Wood River Township Hospital (granted by the Illinois Department of Nuclear Safety) listing Dr. Ziaee as an authorized user for these items.
2. Please change our facility's Radiation Safety Officer from Robert S. Colbert, M.D. to Laghaieh Rezvani, M.D.
3. Our facility's survey meters will be calibrated at least annually and after repair by Stan A. Huber Consultants, Inc. from New Lenox, Illinois, License #IL-01013-01. We will maintain a copy of this license on file. We reserve the right to have these instruments calibrated by an appropriately licensed facility.

If you have any questions regarding this amendment, please contact our facility. Attached is a check for \$440.00 to cover the processing fees.

Sincerely,

Charles Ancell
Administrator

RECEIVED
DEC 10 1996
REGION III

"Caring for you and those you care about"

1008 North Main
Sikeston, Missouri 63801-5099
(314) 471-1600

pm: 12-5-96

DEC 10 1996

302108

IDNS.FLM-004-01 (9/91)

STATE OF ILLINOIS
DEPARTMENT OF NUCLEAR SAFETY

RADIOACTIVE MATERIAL LICENSE

DIVISION OF RADIOACTIVE MATERIALS
1035 OUTER PARK DRIVE
SPRINGFIELD, ILLINOIS 62704

PURSUANT to the Illinois Radiation Protection Act and the rules and regulations in 32 ILLINOIS ADMINISTRATIVE CODE promulgated thereunder, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess and transfer radioactive material(s) listed herein; and to use such radioactive material(s) for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the Illinois Department of Nuclear Safety now or hereafter in effect and to any conditions specified in the license. This document confirms that the licensee has registered the sources of radiation listed below in accordance with Section 2 of the Radiation Installations Act.

LICENSEE	LICENSE NUMBER	EXPIRATION DATE
Wood River Township Hospital Edwardsville Road Wood River, Illinois 62905	IL-01293-01	July 31, 1998
	AMENDMENT NUMBER	
	1	

Attention: Jerry L. Bolandis
Administrator

In accordance with application dated June 17, 1993, License Number IL-01293-01 is renewed as follows. Previous amendments are void.

ITEM	RADIOISOTOPE	CHEMICAL and/or PHYSICAL FORM	MAXIMUM ACTIVITY* PER SOURCE	MAXIMUM POSSESSION LIMIT
A.	Any in 32 Ill. Adm. Code 335.2040	Any calibration or reference source identified in 32 Ill. Adm. Code 335.2040.		As needed
B.	Any in 32 Ill. Adm. Code 335.3010	Any radiopharmaceutical identified in 32 Ill. Adm. Code 335.3010.		As needed
C.	Any in 32 Ill. Adm. Code 335.4010	Any radiopharmaceutical identified in 32 Ill. Adm. Code 335.4010, excluding generators.		As needed
D.	Any in 32 Ill. Adm. Code 335.6010	Any sealed source identified in 32 Ill. Adm. Code 335.6010.		As needed

AUTHORIZED USE:

- A. For use as calibration and reference sources.
- B. Any medical use identified in 32 Ill. Adm. Code 335.3010.
- C. Any medical use identified in 32 Ill. Adm. Code 335.4010.
- D. Any medical use identified in 32 Ill. Adm. Code 335.6010.

* μ Ci-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram; μ g-microgram; kg-kilogram

APPROVED BY:

DATE

PAGE of PAGES

Joseph C. Klinger, Head of Licensing Section
IL 675-0059

November 9, 1993

1

4

IDNS.FLN-004-02 (8/91)

STATE OF ILLINOIS
DEPARTMENT OF NUCLEAR SAFETY
RADIOACTIVE MATERIAL LICENSE

LICENSEE	LICENSE NUMBER	AMENDMENT NUMBER	EXPIRATION DATE
Wood River Township Hospital	IL-01293-01	1	July 31, 1993

CONDITIONS

1. Radioactive material shall be used only at the licensee's facilities located at Wood River Township Hospital, Edwardsville Road, Wood River, Illinois in accordance with statements, representations and procedures listed in other conditions of this license.
2. Radioactive material is authorized for use by, or under the supervision of, the following individual(s) for the materials and uses indicated:

Mahmoud Ziaee, M.D.	All
John Sherlock, M.D.	All
3. The Radiation Safety Officer for this license is Mahmoud Ziaee, M.D.
4. The licensee shall decontaminate or restrict access to each area described in 32 Ill. Adm. Code 335.2080(d) for which removable radioactive contamination is found to exceed 2000 dpm/100 cm². Confirmatory surveys must be performed to ensure that decontamination was effective or decay reduced the levels adequately. Records of each survey must contain the information specified in 32 Ill. Adm. Code 335.2080(f).
5. This license does not authorize analysis of leak test samples. However, the licensee is authorized to collect leak test samples for analysis by other persons specifically authorized by the Department, an Agreement State, a Licensing State, or the U.S. Nuclear Regulatory Commission to perform such services.
6. Except as otherwise specifically provided by this license, radioactive material to be administered to humans shall be procured in prepackaged, precalibrated form from a supplier who manufactures, labels, packages, or repackages the product in accordance with the Federal Food, Drug, and Cosmetic Act or the Public Health Service Act under appropriate pharmaceutical controls related to assay, identity, quality, purity, sterility and nonpyrogenicity.
7. Investigational New Drugs (IND) labeled with radioactive material shall not be used in human beings until the individual user has filed with the Federal Food and Drug Administration the required documentation in accordance with 21 CFR 312.1, and the exemption has not been terminated.
8. The licensee is authorized to receive, possess and transfer depleted uranium in amounts not greater than 999 kg for use as shielding material.

* μ Ci-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; Tlb-Terabecquerel; g-gram; mg-milligram; kg-kilogram

APPROVED BY:

DATE

PAGE OF PAGES

Joseph G. Klinger, Head of Licensing Section
IL 473-0059

November 9, 1993

2

4

IDNS, FLN-004-02 (8/91)

STATE OF ILLINOIS
DEPARTMENT OF NUCLEAR SAFETY
RADIOACTIVE MATERIAL LICENSE

<u>LICENSEE</u>	<u>LICENSE NUMBER</u>	<u>AMENDMENT NUMBER</u>	<u>EXPIRATION DATE</u>
Wood River Township Hospital	IL-01293-01	1	July 31, 1993

9. Notwithstanding the requirements of 32 Ill. Adm. Code 335.1090, the licensee may receive, possess, and use naturally-occurring or accelerator-produced radioactive material (NARM) specifically authorized by this license and distributed by a supplier located in a non-Licensing State.
10. Sealed sources containing radioactive material shall not be opened.
11. The licensee may use the Calcorp, Inc. "Calicheck" device or the Atomic Products Corp. "Lineator" device for linearity tests of their dose calibrator(s). Such tests shall be performed in strict accordance with the procedures contained in the device manufacturer's instruction manual. A copy of the appropriate device manufacturer's instruction manual shall be maintained at the licensee's facility if one of these devices is used.
12. The licensee is authorized to store waste containing, or comprised of, radioactive material with a physical half-life of less than 90 days for "decay-in-storage" before disposal with the following provisions:
- A. Radioactive waste to be disposed of shall be held for decay a minimum of ten half-lives.
- B. Pursuant to 32 Ill. Adm. Code 340.2010, radiation surveys shall be performed prior to disposal to ensure the waste's radioactivity cannot be distinguished from background radiation levels. The package/container surface shall be surveyed with a radiation detection survey instrument set on its most sensitive scale, with no interposed shielding between the detector and the waste, in a low background radiation environment. Records of monitoring, which include: date of disposal, date placed in storage, specific survey instrument used, background radiation levels, measured radiation levels, and identity of the individual performing the surveys, shall be maintained. All radiation labels shall be removed or obliterated.
- C. Nothing in this condition relieves the licensee from complying with other applicable federal, state, and local regulations governing any other toxic or hazardous property of these materials.
13. Servicing and maintenance of bone densitometer(s) involving the source holder and/or shutter mechanism(s) shall be performed by the manufacturer or by other persons specifically authorized by the Department, an Agreement State, or the U.S Nuclear Regulatory Commission to perform such services.
14. The licensee shall take precautions sufficient to prevent loss of each source of radiation.

* μ Ci-microcurie; Ci-curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram; μ g-microgram; kg-kilogram

APPROVED BY:

DATE

PAGE OF PAGES

Joseph G. Klinger, Head of Licensing Section
IL 473-0059

November 9, 1993

3

4

IDMS-FLM-004-02 (8/91)

STATE OF ILLINOIS
DEPARTMENT OF NUCLEAR SAFETY
RADIOACTIVE MATERIAL LICENSE

LICENSEE	LICENSE NUMBER	AMENDMENT NUMBER	EXPIRATION DATE
Wood River Township Hospital	IL-01293-01	1	July 31, 1993

15. Except as specifically provided otherwise by the license, the licensee shall possess and use radioactive material described in all schedules of this license in accordance with statements, representations and procedures contained in, referenced in, or enclosed with the documents listed below. The regulations contained in 32 Ill. Adm. Code: Chapter II, Subchapters b and d shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations. The most recent statements, representations and procedures listed below shall govern if they conflict with previously submitted documents.

A. Application dated June 17, 1993.

B. Letter(s) dated November 5, 1993.

JGK:MEB:sld

* μ Ci-microcurie; mCi-millicurie; Ci-Curie; MBq-Megabecquerel; GBq-Gigabecquerel; TBq-Terabecquerel; g-gram; μ g-microgram; kg-kilogram

APPROVED BY: _____ DATE: _____ PAGE 4 OF 4

Joseph G. Klinger, Head of Licensing Section
IL 473-0059

November 9, 1993

4

4

JAN 30 1997

Charles Ancell
Administrator
Missouri Delta Medical Center
1008 North Main Street
Sikeston, MO 63801-5099

Dear Mr. Ancell:

Enclosed is Amendment No. 16 to your NRC Material License No. 24-12876-02 in accordance with your request.

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.

Please note we have extended the expiration date of the license for five years in accordance with the regulations (10 CFR 30.36).

Also note, we have removed the license condition requiring decommissioning records because this requirement is in the regulations and the authorization for depleted uranium shielding.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct 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. Notify NRC, in writing, within 30 days:
 - a. When an authorized user or Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or
 - b. When the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).

302108

3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license when you decide to terminate all activities involving materials authorized under the license.
4. Request and obtain a license amendment before you:
 - a. Receive or use byproduct material for a clinical procedure permitted under Part 35 but not permitted by your license issued pursuant to this Part;
 - b. Permit anyone, except individuals described in 10 CFR 35.13(b), to work as an authorized user under the license;
 - c. Change Radiation Safety Officers;
 - d. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
 - e. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
 - f. Change ownership of your organization.
5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

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,

C. Ancell

-3-

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
W. P. Reichhold
Nuclear Materials Licensing Branch

License No.: 24-12876-02
Docket No.: 030-02377

Enclosure: Amendment No. 16

DOCUMENT NAME: M:\03002377.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 <i>WR</i>								
NAME	WREICHHOLD:jaw								
DATE	01/24/97								

OFFICIAL RECORD COPY



Missouri Delta Medical Center

January 9, 1997

U.S. Nuclear Regulatory Commission
Region III
Licensing Section
801 Warrenville Road
Lisle, IL 60532-4351

RE: Amendment to Materials License #24-12876-02
Control Number 302108

Dear Sir or Madam:

The following information is being sent in for your review in response to Mr. Bill Reichhold's telephone request of January 9, 1997.

1. Our facility's survey meters will be calibrated at least every 12 months and after repair by Stan A. Huber Consultants, Inc. from New Lenox, Illinois, License #IL-001013-01. We will maintain a copy of this license on file. We reserve the right to have these instruments calibrated by an appropriately licensed facility.
2. We do not have any depleted uranium (DU) shielding on site or plan on having any on site in the near future, therefore please remove the current License Condition 13, which deals with depleted uranium shielding from our license.

If you have any questions regarding this amendment, please contact our facility.

Sincerely,

Laghaieh Rezvani, M.D.

1008 North Main
Sikeston, Missouri 63801-6099
(573) 471-1600
Fax: (573) 472-7606

RECEIVED
JAN 24 1997
REGION III

JAN 24 1997



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

December 16, 1996

Laghaieh Rezvanit, M.D.
Radiation Safety Officer
Missouri Delta Community Hospital
1008 N. Main Street
Sikeston, MO 63801-5099

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE
(Letter Dated 11/26/96)

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. 302108
License No. 24-12876-02