

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

24-20330-01

Docket or Reference Number

030-18261

Amendment No. 05

Citizens Memorial Hospital
1500 N. Oakland-North Highway 83
Bolivar, MO 65613

In accordance with NRC Form 314 "Certificate of Disposition" dated December 9, 1996, and letter dated January 8, 1997, License Number 24-20330-01 is hereby terminated.

TERMINATED

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date 1/29/97

By James Mullane
Nuclear Materials Licensing Branch, Region III

070026

9702070392 970129
PDR ADOCK 03018261
C PDR

COPY

15
R4

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: 20030731
Fee Comments:
Decom Fin Assur Req'd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: CITIZENS MEMORIAL HOSPITAL
Received Date: 961216
Docket No: 3018261
Control No.: 302131
License No.: 24-20330-01
Action Type: Termination

2. FEE ATTACHED

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

3. COMMENTS

Signed
Date

D. Hersey
12/17/96

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

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

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

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

3. OTHER

Signed
Date

SC
12/26/96

JAN 02 1997

Log	<i>Dec 8 711</i>
Remitter	-----
Check No.	-----
Amount	-----
Fee Category	<i>7C 2B</i>
Type of Fee	<i>AMD</i>
Date Check Rec'd	-----
Date Completed	<i>12/26/96</i>
By:	<i>SC</i>

1996 DEC 26 PM 3:25

CERTIFICATE OF DISPOSITION OF MATERIALS

INSTRUCTIONS: SEND THE COMPLETED CERTIFICATE TO THE
NRC OFFICE SPECIFIED ON THE REVERSE.

(All items MUST be completed—
print or type)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH
THIS INFORMATION COLLECTION REQUEST: 5 HRS.
FORWARD COMMENTS REGARDING BURDEN ESTIMATE
TO THE RECORDS AND REPORTS MANAGEMENT
BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION,
WASHINGTON, DC 20555, AND TO THE PAPERWORK
REDUCTION PROJECT (3150-0028), OFFICE OF MANAGEMENT
AND BUDGET, WASHINGTON, DC 20503.

LICENSEE NAME AND ADDRESS

CITIZENS MEMORIAL HOSPITAL
1500 N. OAKLAND
BOLIVAR, MO 65613

LICENSE NUMBER

24-20330-01

LICENSE EXPIRATION DATE

JULY 31, 2003

THE LICENSEE OR ANY INDIVIDUAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE LICENSEE CERTIFIES THAT:
(Check and/or complete the appropriate item(s) below.)

A. MATERIALS DATA (Check one and complete as necessary)

- ☐ 1. NO MATERIALS HAVE EVER BEEN PROCURED OR POSSESSED BY THE LICENSEE UNDER THIS LICENSE.
- OR
- ☒ 2. ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSEE UNDER THE LICENSE NUMBER CITED ABOVE HAVE BEEN DISPOSED OF
IN THE FOLLOWING MANNER. (If additional space is needed, use the reverse side or provide attachment(s).)

Describe specific material transfer actions and, if there were radioactive wastes generated in terminating this license, the disposal actions, including the
disposition of low-level radioactive waste, mixed waste, Greater-than-Class-C waste, and sealed sources, if applicable.

SEE ATTACHED

For transfers, specify the date of the transfer, the name of the licensed recipient, and the recipient's NRC license number or Agreement State name and
license number.

SEE ATTACHED

If materials were disposed of directly by the licensee rather than transferred to another licensee, licensed disposal site or waste contractor, describe the
specific disposal procedures (e.g., decay in storage).

B. OTHER DATA

- ☒ 1. OUR LICENSE HAS NOT YET EXPIRED, PLEASE TERMINATE IT.
2. WAS A RADIATION SURVEY CONDUCTED TO CONFIRM THE ABSENCE OF LICENSED RADIOACTIVE MATERIALS AND TO DETERMINE WHETHER
ANY CONTAMINATION REMAINS ON THE PREMISES COVERED BY THE LICENSE? (Check one)
- ☐ NO (Attach explanation)
- ☒ YES, THE RESULTS (Check one)
- ☒ ARE ATTACHED, or
- ☐ WERE FORWARDED TO NRC ON (Date)

3. THE PERSON TO BE CONTACTED REGARDING THE INFORMATION PROVIDED ON THIS FORM

NAME

JERRY L. HARRIS

TELEPHONE NUMBER

(417) 831-6520

4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO

GREG ELLIOTT, RADIOLOGY DIRECTOR
CITIZENS MEMORIAL HOSPITAL
1500 N. OAKLAND
BOLIVAR, MO 65613

RECEIVED

DEC 16 1996

CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.

REGION III

SIGNATURE

Donald J. Babb

DATE

PM: 12-10-96

12-9-96

PRINTED NAME AND TITLE

DONALD J. BABB, CHIEF EXECUTIVE OFFICER

302131

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC
REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS.
18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION
TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CITIZENS MEMORIAL HOSPITAL
BOLIVAR, MISSOURI 65613

1. The following items were transferred on 12/9/96 to Nuclear Diagnosis, Inc., N.R.C. License #24-17561-01:

A. Cs-137 sealed source	# exempt	0.105 uCi on 5/8/95
B. Co-57 sheet source	#5391350	5.0 mCi on 3/31/95

2. The following items were transferred on 9/10/96 approximately, to Stan Huber Consultants, Inc., Illinois license #IL-01013-01:

A. Cs-137 sealed source	#3561282A-33	208 uCi on 12/2/82
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3. Pursuant to 10 CFR 30.35, the following information is provided:

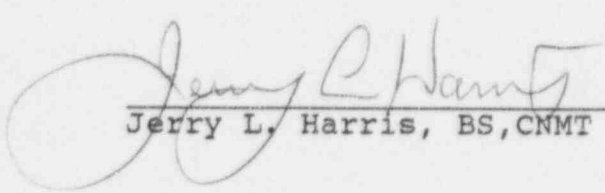
- A. There were no doses to members of the public that required badging, so no records exist.
- B. There were no spills of radioactive material, so no records exist.
- C. There was no radioactive material released to unrestricted areas via sewer disposals or other effluent pathways, so no records exist.
- D. There was no radioactive waste generated in the close-out of this license.

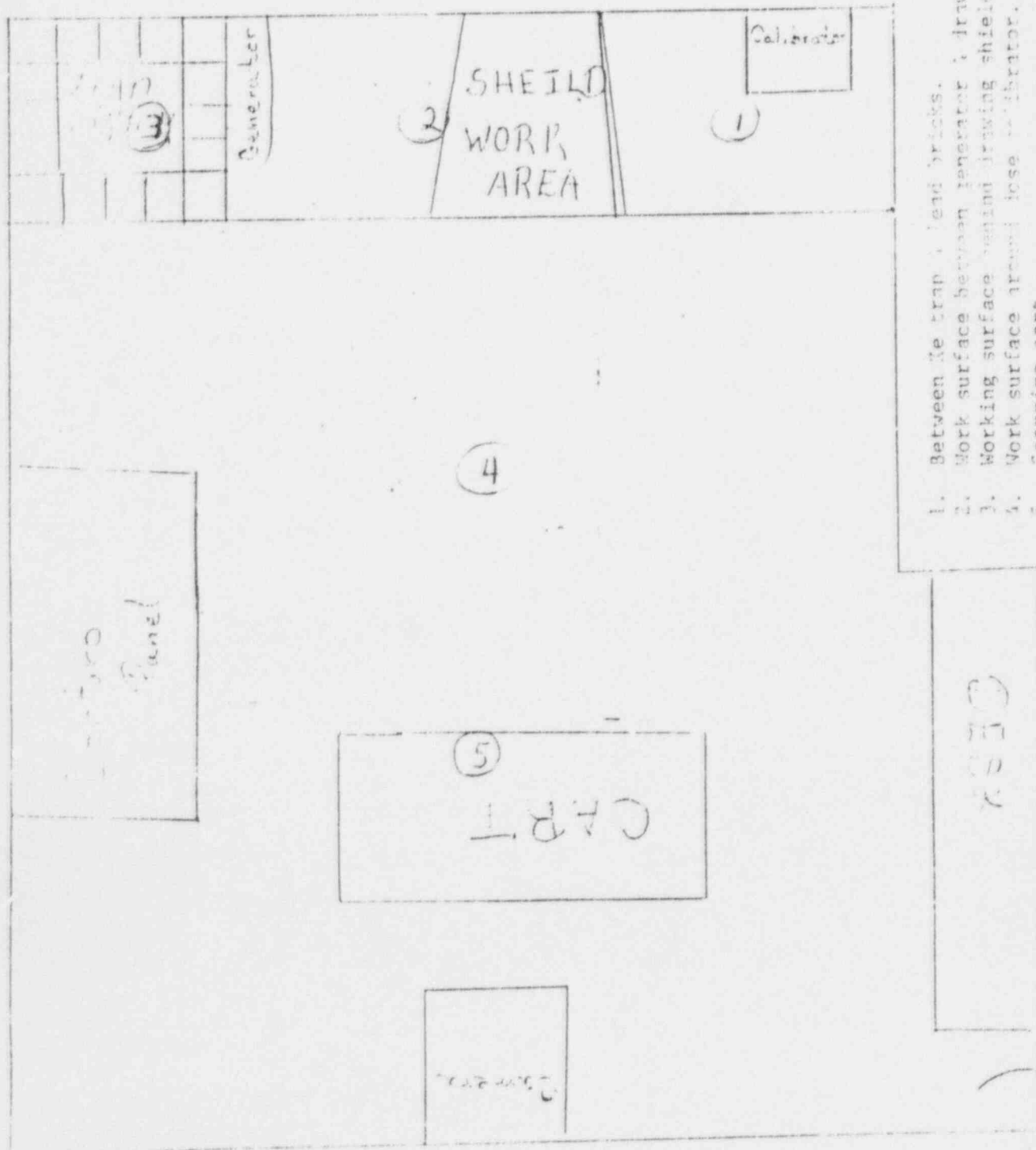
CITIZENS MEMORIAL HOSPITAL
BOLIVAR, MISSOURI 65613

A letter dated September 10, 1996 was sent to the N.R.C. informing you that the nuclear medicine area was no longer occupied. Information was attached to that letter showing no removable contamination was present. Since that time no by-product material has been used in that area. As part of this license termination request I have repeated the surveys and wipes, showing that there is still no removable contamination in the former nuclear medicine area:

Key on Diagram	Survey (gross results)	Wipe/100cm(gross data)
1	0.0001 mSv/hr(10 uR/hr)	1.7E-7 MBg(10 dpm)
2	0.0001 mSv/hr(10 uR/hr)	2.0E-7 MBg(12 dpm)
3	0.0001 mSv/hr(10 uR/hr)	2.7E-7 MBg(16 dpm)
4	0.0001 mSv/hr(10 uR/hr)	2.2E-7 MBg(13 dpm)
5	0.0001 mSv/hr(10 uR/hr)	2.0E-7 MBg(12 dpm)
BKG	0.0001 mSv/hr(10 uR/hr)	1.7E-7 MBg(10 dpm)

1. Surveys performed with a Ludlum 14C, serial number 64657, last calibrated on 6/28/96, daily Cs-137 constancy was accurate on 12/9/96.
2. Wipes were performed with a Victoreen Deluxe Wipe Counter, model number 05-578, serial number 334005, daily Cs-137 constancy was accurate on 12/9/96.
3. Close-out was performed by Jerry L. Harris, BS,CNMT, on 12/9/96.
4. No contamination significantly above background was observed.


Jerry L. Harris, BS,CNMT



1. Between Re trap & lead bricks.
2. Work surface behind generator & driving shield.
3. Working surface behind driving shield.
4. Work surface around base of generator.
5. Scanning cart.
6. Lead bricks.



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

January 28, 1997

EA 96-445

Mr. Donald Babb, CEO
Citizens Memorial Hospital
1500 N. Oakland - No. Hwy. 83
Bolivar, MO 65613

SUBJECT: NOTICE OF VIOLATION AND TERMINATION OF LICENSE
(NRC Inspection Report No. 030-18261/96001(DNMS)
and OI investigation Report No. 3-96-017)

Dear Mr. Babb:

Enclosed is a Notice of Violation (Notice) and Amendment No. 5 which terminates NRC License No. 24-20330-01. The license is terminated in accordance with an NRC Form 314 (Certificate of Disposal) signed by you and dated December 9, 1996.

The violations described in the enclosed Notice represent a significant breakdown in the past management of the radiation safety program at Citizens Memorial Hospital (CMH). These issues were discussed with you and members of your staff during a predecisional enforcement conference on November 14, 1996.

Based upon the information developed during the inspection, the investigation, and the information provided during the conference, the NRC determined that violations of NRC requirements occurred. The violations are cited in the enclosed Notice and the circumstances surrounding them were described in detail in the inspection report issued on November 1, 1996. The violations have been characterized in accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions" (Enforcement Policy), NUREG-1600, at Severity Level III. If CMH had not requested termination of the license, a civil penalty would have been considered. However, since you decided to terminate licensed activities, we have suspended any further consideration of enforcement action.

A response to this letter is not required. However, you will be required to respond to each violation identified in the Notice in accordance with 10 CFR 2.201 should you apply for a license to re-establish an NRC licensed program.

D. Babb

-2-

If you have any questions or require clarification on any of the information stated above, you may contact us at (630) 829-9807.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and the enclosures will be placed in the NRC Public Document Room.

Sincerely,

A handwritten signature in dark ink, appearing to read "A. B. Beach", with a small flourish or mark to the right.

A. B. Beach
Regional Administrator

License No. 24-20330-01

Docket No. 030-18261

Enclosures: 1. Notice of Violation
2. Amendment No. 5

D. Babb

-2-

If you have any questions or require clarification on any of the information stated above, you may contact us at (630) 829-9807.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and the enclosures will be placed in the NRC Public Document Room.

Sincerely,

A. B. Beach
Regional Administrator

License No. 24-20330-01

Docket No. 030-18261

Enclosures: 1. Notice of Violation
2. Amendment No. 5

DOCUMENT NAME: G:\96-445.ENF

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	RIII	<input checked="" type="checkbox"/>	RIII	<input checked="" type="checkbox"/>	RIII	<input checked="" type="checkbox"/>	RIII	<input checked="" type="checkbox"/>	RIII	<input checked="" type="checkbox"/>
NAME	TSimmons:rh		HClayton:se		CPederson:rh		BBerson		ABeach	
DATE	01/23/97		01/23/97		01/24/97		01/24/97		01/24/97	

OFFICIAL RECORD COPY

DISTRIBUTION:

PUBLIC IE-07

SECY

CA

HThompson, Acting EDO

EJordan, DEDO

LChandler, OGC

JGoldberg, OGC

CPaperiello, NMSS

DCool, NMSS

Enforcement Coordinators

RI, RII and RIV

JGilliland, OPA

HBell, OIG

GCaputo, OI

DRoss, AEOD

OE:ES

OE:EA (2)

State of Missouri

RAO:RIII

SLO:RIII

PAO:RIII

OC/LFDCB

NOTICE OF VIOLATION

Citizens Memorial Hospital
Bolivar, MO

Docket No. 030-18261
License No. 24-20330-01
EA 96-445

During an NRC inspection conducted on April 10-11, 1996, with continuing NRC review through October 11, 1996, and the investigation conducted by the NRC Office of Investigations from June 26 through October 11, 1996, violations of NRC requirements were identified. In accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," NUREG-1600, the violations are listed below:

- A. 10 CFR 35.22(a)(2) requires that the Radiation Safety Committee meet at least quarterly.

Contrary to the above, the licensee's Radiation Safety Committee did not meet between October 10, 1993, and April 11, 1996, a period in excess of a calendar quarter.

- B. 10 CFR 35.50(b)(1) requires, in part, that a licensee check each dose calibrator for constancy with a dedicated check source at the beginning of each day of use.

Contrary to the above, between September 28, 1993, and October 1, 1995, the licensee did not check the dose calibrator for constancy with a dedicated check source at the beginning of each day of use.

- C. 10 CFR 35.50(b)(3) requires, in part, that a licensee test each dose calibrator for linearity at least quarterly.

Contrary to the above, the licensee did not test its dose calibrator for linearity from June 1992 through April 11, 1996, a period in excess of a calendar quarter.

- D. 10 CFR 35.70(a) requires that a licensee survey with a radiation detection survey instrument at the end of each day of use all areas where radiopharmaceuticals are routinely prepared or administered.

Contrary to the above, between September 29, 1993, and October 1, 1995, the licensee did not survey with a radiation detection instrument at the end of the day areas where radiopharmaceuticals were routinely prepared or administered.

- E. 10 CFR 35.70(e) requires that the licensee shall survey for removable contamination once each week all areas where radiopharmaceuticals are routinely prepared for use, administered, or stored.

Contrary to the above, between September 29, 1993, and October 1, 1995, the licensee did not survey for removable contamination in the areas where radiopharmaceuticals were routinely prepared for use, administered, or stored.

- F. 10 CFR 20.1502(a)(1) requires, in part, each licensee to monitor occupational exposure to radiation of adults likely to receive, in one year from sources external to the body, a dose in excess of 10% of the limits in 10 CFR 20.1201(a).

Contrary to the above, as of April 10, 1996, the licensee did not monitor the occupational exposure to radiation of an individual who could receive a dose in excess of 10% of the Part 20 limits. Specifically, when handling radioactive materials, the nuclear medicine technologist routinely failed to use the TLD finger monitor. This device is used to monitor the extremity dose.

- G. 10 CFR 20.1906(b)(1) requires that each licensee monitor the external surfaces of a package labeled with a Radioactive White I, Yellow II, or Yellow III label for radioactive contamination unless the package contains only radioactive material in the form of gas or in special form as defined by 10 CFR 71.4.

Contrary to the above, as of April 10, 1996, the licensee routinely received Radioactive White I labeled packages which were not gas or special form and did not monitor the external surfaces for radioactive contamination.

- H. Condition 16 of License No. 24-20330-01 requires, in part, that the licensee conduct its program in accordance with the statements, representations, and procedures contained in the application dated May 30, 1993. Item 8 of the referenced application states that the licensee will establish and implement the model training program that was published in Appendix A to Regulatory Guide 10.8, revision 2.

Appendix A of Regulatory Guide 10.8, revision 2, states, in part, that personnel will be instructed during annual refresher training, and such training will include applicable regulations and license conditions, potential hazards, and appropriate radiation safety procedures.

Contrary to the above, as of April 10, 1996, the nuclear medicine technologist had not received annual refresher training in at least three years.

These violations represent a Severity Level III problem (Supplements VI and IV).

Dated at Lisle, Illinois
this 28th day of January 1997

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

24-20330-01

Docket or Reference Number

030-18261

Amendment No. 05

Citizens Memorial Hospital
1500 N. Oakland-North Highway 83
Bolivar, MO 65613

In accordance with NRC Form 314 "Certificate of Disposition" dated December 9, 1996, and letter dated January 8, 1997, License Number 24-20330-01 is hereby terminated.

TERMINATED

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

1/29/97

By

James C. Williams
Nuclear Materials Licensing Branch, Region III



CITIZENS MEMORIAL HOSPITAL
1500 NORTH OAKLAND
BOLIVAR, MISSOURI 65613-3099

Telephone (417) 326-6000
Fax (417) 326-0338

JCAHO Accredited

DONALD J. BABB,
CHIEF EXECUTIVE OFFICER

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Member Emeritus

January 8, 1997

Nuclear Regulatory Commission
Region III
Licensing/Inspections Section
801 Warrenville Road
Lisle, Illinois 60532-4351

RE: Source Information For Materials License #24-20330-01

Gentlemen:

Attached is a letter from Stan A. Huber Consultants, Inc. verifying they have taken temporary possession of our Cs-137 sealed source.

If you have any questions regarding this letter, please contact Greg Elliott, Director of Radiology, at our facility.

Sincerely,

Donald J. Babb
Chief Executive Officer

csm

Enclosure

RECEIVED

JAN 14 1997

REGION III

AN EQUAL OPPORTUNITY EMPLOYER
Services Provided On A Non-Discriminatory Basis

PM: 1-9-97

302131
JAN 14 1997



Consultants to Nuclear Medicine • Radiology • Nuclear Industry

STAN A. HUBER CONSULTANTS, INC. □ 200 NORTH CEDAR ROAD □ NEW LENOX, IL 60451 □ (815) 485-6161 □ FAX (815) 485-4433

January 2, 1997

Greg Elliott
Director of Radiology
Citizens Memorial Hospital
1500 North Oakland
Bolivar, Missouri 65613

RE: Transfer of Radioactive Sealed Source

Dear Mr. Elliott:

This letter confirms that Stan A. Huber Consultants, Inc. has taken temporary possession of your facility's dose calibrator reference source. Our company took possession of this source on July 17, 1996 with the intention of returning the source to your facility at a later date. The following is a list of the specific information for this source:

<u>Isotope</u>	<u>Activity/Date</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number</u>
Cs-137	208uCi/12-2-82	NEN	NES-356	3561282A-33

This source was transported by a representative of our company in accordance with the other licensed sources that were in his car at that time. This individual had the proper shipping papers for all the sources (including your source) in his possession. The source was transported in an ammunition box, blocked in place, locked to the car to prevent shifting or theft.

If you have any questions regarding this information, please contact Todd Senglaub at our facility.

Sincerely,
Stan A. Huber Consultants, Inc.

James V. Marsicek

James V. Marsicek
Vice President, Consulting Services
JVM:gob

RECEIVED

JAN 14 1997

REGION III

JAN 14 1997

CONVERSATION RECORD

TIME | DATE
11 a.m. | 12/30/96☐ VISIT ☐ CONFERENCE ☒ TELEPHONE☐ INCOMING
☒ OUTGOING

NAME OF PERSON(S) CONTACTED OR IN CONTACT	ORGANIZATION (OFFICE, DEPT., ETC.)	TELEPHONE NO.
Greg Elliot, Director of Radiology Citizens Memorial Hosp.		417-326-6000

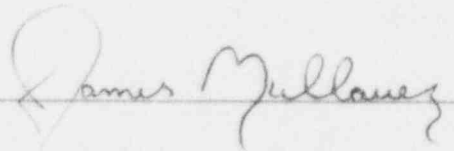
SUBJECT

Amendment dated 12/9/96 to terminate license.

SUMMARY

I spoke to Greg to verify that Stan Huber received the 200 microcurie source that was transferred to him in 9/96. Greg will get verification from Stan. Also, I wanted to verify that the old nuclear medicine department is the one for which the close-out survey was provided and Greg did verify that. The new department which was going to be used before the inspection occurred is now being used by Nuclear Diagnostics, Inc., (the mobile nuc med lab).

This action is certified by

 1/10/97

ACTION REQUIRED

Info should be coming in 15 days.

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

ACTION TAKEN

SIGNATURE

TITLE

DATE