



September 10, 2004

U.S. Nuclear Regulatory Commission
Regional III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

RE: Amendment to Radioactive Materials License #24-25953-01

To Whom It May Concern:

We would like to add Ronald Levy, D.O., as an authorized user to our Radioactive Materials License. He is board certified in diagnostic radiology and is listed on Illinois Radioactive Materials License (IL-01509-01) for St. Anthony's Health Center in Alton, IL.

Please delete Padma Kandula, M.D., as an authorized user on our license as she is no longer affiliated with our center.

If you have any questions, you may call me at 314-837-5489. Thank you for your assistance.

Sincerely,

Jan Greiwe, MBA

Vice President/Chief Operating Officer



235 DUNN ROAD • FLORISSANT, MO 63031

U.S. Nuclear Regulatory Commission
Regional III
2443 Warrenville Rd., Ste 210
Lisle, IL 60532-4352

60532+4352 21



(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 02201
Status Code: 0
Fee Category: 7C
Exp. Date: 20140831
Fee Comments:
Decom Fin Assur Reqd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
Applicant/Licensee: ADVANCED MEDICAL TESTING SYSTEMS
Received Date: 20040916
Docket No: 3030735
Control No.: 313736
License No.: 24-25953-01
Action Type: Amendment

2. FEE ATTACHED
Amount: _____
Check No.: _____

3. COMMENTS

Signed A.S. Bernardino
Date 10-6-04

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

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:
Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed _____
Date _____

**CONFIDENTIAL FACSIMILE TRANSMISSION**

TO: Toye Simmons
Nuclear Regulatory Commission
Phone: 1-630-829-9842
Fax: 1-630-829-9782

FROM: Jan Greiwe, MBA, VP/COO
Advanced Medical Testing Systems, Inc.
d.b.a. The Imaging Center
Phone: 314-837-5489
Fax: 314-831-5728

DATE: November 12, 2004

RE: NRC Material License # 24-25953-01
Following is the complete copy of the Illinois Radioactive Materials License for St. Anthony's Health Center. I hope this will assist you in processing our amendment request to add Ronald Levy, D.O. to our license. I apologize for the delay in obtaining this for you. We will include a complete copy of this license when requesting future amendments. Please do not hesitate to call me if you require any other information or documentation.

IMPORTANT: The information contained in the transmission accompanying this notice is confidential. If the reader of this facsimile is not the intended recipient or the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that any disclosure, copying, distribution or taking of any action in reliance on or regarding the content of this faxed information is strictly prohibited.

If you have received this facsimile in error, please immediately notify us by telephone at 314-837-5489 to arrange for the return or destruction of the information and all copies.

THIS FACILITY IS CERTIFIED BY THE AMERICAN COLLEGE OF RADIOLOGY (ACR) IN MAMMOGRAPHY, ULTRASOUND, AND MAGNETIC RESONANCE IMAGING.

Number of pages including cover sheet: 7

TDNS.FLM.00C-01 (8/01)

STATE OF ILLINOIS
ILLINOIS EMERGENCY MANAGEMENT AGENCY
DIVISION OF NUCLEAR SAFETY

RADIOACTIVE MATERIAL LICENSE

1035 OUTER PARK DRIVE
SPRINGFIELD, ILLINOIS 62704

Permit to the Illinois Radiation Protection Act and the rules and regulations in 22 Illinois Administrative Code promulgated thereunder, and in reliance on the 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 in the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the Agency now or hereafter in effect and to any conditions specified in the license.

LICENSEE	LICENSE NUMBER	EXPIRATION DATE
Saint Anthony's Health Center Saint Anthony's Hospital/Saint Anthony's Way P.O. Box 340 Alton, IL 62002-0340	IL-01509-01	March 31, 2005
	AMENDMENT NUMBER	
	21	

Attention: William E. Kessler
President

In accordance with letter July 16, 2004, License Number IL-01509-01 is amended in its entirety. 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,		As needed
D.	Any in 32 Ill. Adm. Code 335.5010	Any radiopharmaceutical identified in 32 Ill. Adm. Code 335.5010.		As needed
E.	Any in 32 Ill. Adm. Code 335.7010	Any sealed source identified in 32 Ill. Adm. Code 335.7010, including Ir-192 seeds encased in nylon ribbon for intracavitary and intraluminal treatment of cancer.	1 Ci	As needed

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

APPROVED BY:	DATE	PAGE of PAGES
 Charles G. Vinson, Supervisor of Materials Licensing IL 473-0059	August 5, 2004	1 6

LONS.FL34-004-02 (8/01)

**STATE OF ILLINOIS
IEMA DIVISION OF NUCLEAR SAFETY
RADIOACTIVE MATERIAL LICENSE**

licensee	LICENSE NUMBER	AMENDMENT NUMBER	EXPIRATION DATE
Saint Anthony's Health Center	IL-01509-01	21	March 31, 2005

ITEM	RADIONUCLIDE	CHEMICAL and/or PHYSICAL FORM	MAXIMUM ACTIVITY* PER SOURCE	MAXIMUM POSSESSION LIMIT
F.	Any in 32 Ill. Adm. Code 330.220(f)(1)	Prepackaged kits.		200 uCi

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 335.5010.
- E. Any medical use identified in 32 Ill. Adm. Code 335.7010, also includes Ir-192 as seeds encased in nylon ribbon for intracavitary and intraluminal treatment of cancer.
- F. *In vitro* testing.

CONDITIONS

- 1. A. Radioactive material in License Schedule Items A., B., C. and D. shall be used at the licensee's facilities located at Saint Anthony's Hospital, Saint Anthony's Way, Alton, Illinois in accordance with statements, representations and procedures listed in other conditions of this license.
- B. Radioactive material in License Schedule Items A., B., C. excluding gases, D., E. and F. shall be used at the licensee's facilities located at Saint Clare's Hospital, 915 East Fifth Street, Alton, Illinois in accordance with statements, representations and procedures listed in other conditions of this license.

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

APPROVED BY:

DATE

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Charles G. Vinson, Supervisor of Materials Licensing
IL 473-0059

August 5, 2004

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SDNS.FLM-004-02 (0/1)

STATE OF ILLINOIS
IEMA DIVISION OF NUCLEAR SAFETY
RADIOACTIVE MATERIAL LICENSE

LICENSEE	LICENSE NUMBER	AMENDMENT NUMBER	EXPIRATION DATE
Saint Anthony's Health Center	IL-01509-01	21	March 31, 2005

2. Radioactive material is authorized for use by, or under the supervision of, the following individual(s) for the materials and uses indicated:

Jeffrey T. Dardinger, M.D.	B. and C.
Gino Dilorio, Ph.D., M.D.	B. and C.
Vincent Q. Joe, M.D.	D. and E.
Anil Khosla, M.D.	B. and C.
Ronald P. Levy, D.O.	B., C. and D., no hospitalization
Oscar Lin, M.D.	B. and C.
Banti Mahanta, M.D.	B. and C.
Archie R. McGowan, M.D.	B. and C.
James Piephoff, M.D.	D. and E.
Larry Reed, M.D.	B. and C.
Paul Stromsdorfer, M.D.	B.
John L. Zabrowski, M.D.	B. and C.

In addition, radioactive material listed in License Schedule Items A. and F. are authorized for use by or under the supervision of any one of the individuals listed in this condition.

The Radiation Safety Officer for this license is Larry Reed 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. This monitoring must be performed to ensure that decontamination was effective or decay reduced the levels adequately. Records of monitoring must contain the information specified in 32 Ill. Adm. Code 335.2080(f).
5. A. Each sealed source possessed under this license shall be tested for leakage and/or contamination as specified in 32 Ill. Adm. Code 340.410. Tests for leakage and/or contamination shall be performed by persons specifically licensed to provide such services.
- B. This license does not authorize analysis of leak test samples. However, the licensee is authorized to collect leak test samples for analysis by persons specifically authorized by the Agency, an Agreement State, a Licensing State, or the U.S. Nuclear Regulatory Commission to perform such services.
6. 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.

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

APPROVED BY:

DATE

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Charles G. Vinson, Supervisor of Materials Licensing

August 5, 2004

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IL 472-0032

DNIS.FLM-004-02 (8/91)

STATE OF ILLINOIS
IEMA DIVISION OF NUCLEAR SAFETY
RADIOACTIVE MATERIAL LICENSE

LICENSEE	LICENSE NUMBER	AMENDMENT NUMBER	EXPIRATION DATE
Saint Anthony's Health Center	IL-01509-01	21	March 31, 2005

7. Except as otherwise specifically provided by this license, radioactive material to be administered to humans shall be procured in prepackaged, pre-calibrated form from a supplier who manufactures, labels, packages, or repackages the product in accordance with all applicable state and federal laws and rules related to appropriate pharmaceutical controls for assay, identity, quality, purity, sterility and nonpyrogenicity.
8. The licensee is authorized to receive, possess and transfer depleted uranium in amounts not greater than 999 kg for use as shielding material.
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 340.510(a) and (b), radiation surveys shall be performed prior to disposal of the waste to ensure that the waste's radioactivity cannot be distinguished from background radiation levels. The package/container surface shall be surveyed with an appropriate 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 shall be maintained to include: date of disposal; date placed in storage; manufacturer, model and serial number of the survey instrument used; background radiation levels; measured radiation levels; and identity of the individual performing the monitoring. All radiation labels shall be removed or obliterated.
 - C. Generator columns shall be segregated from their shields and other waste and monitored separately to ensure decay to background levels prior to disposal.

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

APPROVED BY: _____ DATE: August 5, 2004 PAGE OF PAGES: 4 6

Charles G. Vinson, Supervisor of Materials Licensing
IL 673-0055

FDNS.FLM-004-02 (2/91)

STATE OF ILLINOIS
IEMA DIVISION OF NUCLEAR SAFETY
RADIOACTIVE MATERIAL LICENSE

INSEE	LICENSE NUMBER	AMENDMENT NUMBER	EXPIRATION DATE
Saint Anthony's Health Center	IL-01509-01	21	March 31, 2005

(Condition 12. continued)

- D. 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. Notwithstanding the requirements of 32 Ill. Adm. Code 340.1010, waste material generated as a result of *in vitro* testing, for the radioactive material and activities listed in 32 Ill. Adm. Code 330.220(f)(1), may be discarded without regard to its radioactivity. All radiation symbols must be removed or obliterated prior to disposal of these materials.
14. The licensee shall maintain, for inspection by the Agency, a log showing the receipt, transfer and disposal of all radioactive material. The log shall indicate the physician to whom such transfers were made, the location of the transfers, the form and activity of the radioactive material transferred, and the purpose for which such transfers were made.
15. The licensee shall maintain records for the measurements of ventilation rates described in 32 Ill. Adm. Code 335.4030(f). The records must include: the date of measurement; the results of measurements taken; confirmation that rooms are at negative pressure, under the same conditions which radioactive gases will be administered, compared to contiguous areas; the manufacturer, model and serial number of the measurement instrument used; and the identity of the individual who performed the measurements.
16. In addition to the possession limits stated in License Schedule Item E., the licensee shall further restrict the possession of licensed material to quantities not to exceed the applicable limits referenced in Appendix A to 32 Ill. Adm. Code 326. For combinations of nuclides, the licensee must maintain a record for Agency inspection demonstrating for all possessed nuclides that the sum of the ratios of the quantity authorized and the limit established in Appendix A is not greater than one.

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

APPROVED BY:

DATE

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Charles G. Vinson, Supervisor of Materials Licensing
IL 073-0059

August 5, 2004

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IDMS.F.M-004-02 (8/91)

STATE OF ILLINOIS
IEMA DIVISION OF NUCLEAR SAFETY
RADIOACTIVE MATERIAL LICENSE

LICENSEE	LICENSE NUMBER	AMENDMENT NUMBER	EXPIRATION DATE
Saint Anthony's Health Center	IL-01509-01	21	March 31, 2005

17. 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. Applications dated February 25, 1995 and February 18, 2000.
- B. Letters, with attachments, dated September 28, 1995, January 6, 1997, July 16, 2002, August 28, 2002, March 18, 2003, April 22, 2003 and July 16, 2004.
- C. Telefacsimiles dated February 8, 1996 and September 7, 2000.
- D. Letter dated May 14, 1997.

CGV:TLN

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

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TOTAL P.07