



January 17, 2007

UNITED STATES NUCLEAR REGULATORY COMMISSION

Region III, Office of Materials Licensing
2443 Warrenville Road
Suite 210
Lisle, IL 60532-4352

RE: License Application

Dear Sir/Madam:

Please find the enclosed NRC Byproduct materials license application for the following location. Please note that we wish to use Tc99m in limited quantities for the testing and calibration of gamma cameras.

Creative Technology Services

7444 Haggerty Road
Canton, Mi. 48187

We have enclosed a check for \$1200.

If you have any questions or require additional information, please contact our physicist, James Botti at 734-662-3197 or by e-mail at jbotti@mpcphysics.com

Sincerely,

A handwritten signature in black ink, appearing to read 'Don Leith', with a long horizontal stroke extending to the right.

Don Leith
President
Executive Management

RECEIVED JAN 24 2007

(10-2005)
10 CFR 30, 32, 33,
34, 35, 36, 39, and 40

Estimated burden per response to comply with this mandatory collection request: 4 4 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001 or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

IF YOU ARE LOCATED IN:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

NUCLEAR MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-4005

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

A. NEW LICENSE

B. AMENDMENT TO LICENSE NUMBER

C. RENEWAL OF LICENSE NUMBER

2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

Creative Technology Services
7444 Haggerty Road
Canton, MI 48187

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Creative Technology Services
7444 Haggerty Road
Canton, MI 48187

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

James M. Botti, M.S., Medical Physics Consultants, Inc.

TELEPHONE NUMBER

(734) 662-3197

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE

5. RADIOACTIVE MATERIAL

a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY 3P AMOUNT ENCLOSED \$ 1,200.00

13. CERTIFICATION: (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 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.

CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE

Donaldo A. Leith

SIGNATURE

DATE

1-23-07

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		

APPROVED BY

DATE

Applicability Table

8.1	License Action Type	Enclosed
8.2	Applicant's Name and Mailing Address	Enclosed
8.3	Address where Material Used or Possessed	Enclosed
8.4	Person to Be Contacted	Enclosed
8.5	Radioactive Material	Enclosed
8.6	Sealed Sources and Devices	N/A
8.7	Recordkeeping for Decommissioning	N/A
8.8	Purpose for which Licensed Material is Used	Enclosed
8.9	Responsibility for Radiation Safety Program	Enclosed
8.10	Radiation Safety Officer	Enclosed
8.11	Authorized Users	Enclosed
8.12	Authorized Nuclear Pharmacist	N/A
8.13	Authorized Medical Physicist	N/A
8.14	Facilities and Equipment	Enclosed
8.15	Facility Diagram	Enclosed
8.16	Radiation Monitoring Instruments	Enclosed
8.17	Equipment to Measure Dosages	Enclosed
8.18	Dosimetry Equipment Calibration and Use	N/A
8.19	Other Equipment and Facilities	N/A
8.20	Radiation Protection Program	Enclosed
8.21	Safety Procedures and Instructions	N/A
8.22	Occupational Dose	Enclosed
8.23	Area Survey Procedures	Enclosed
8.24	Safe Use of Unsealed Licensed Material	Enclosed
8.25	Spill Procedures	Enclosed
8.26	Therapy Devices With Sealed Sources	N/A
8.27	Minimization of Contamination	Enclosed
8.28	Waste Management	Enclosed
8.29	Fees	Enclosed
8.30	Certification	Enclosed

Creative Technology Services
NRC License Application
January, 2007

LICENSE ACTION TYPE

8.1 Item 1

NRC License Application:

APPLICANT'S NAME AND MAILING ADDRESS

8.2 Item 2

Creative Technology Services
7444 Haggerty Road
Canton, Mi. 48187

ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

8.3 Item 3

Creative Technology Services
7444 Haggerty Road
Canton, Mi. 48187

PERSON TO BE CONTACTED ABOUT THIS APPLICATION

8.4 Item 4

James Botti, MS, Medical Physics Consultants
Phone: 734-662-3197
Cell: 810-599-8817
Fax: 734-662-9224
E-Mail: jbotti@mpcphysics.com

Creative Technology Services
NRC License Application
January, 2007

RADIOACTIVE MATERIAL AND USE

8.5 Item 5

8.8 Item 6

Byproduct Material	Amount	Chemical Physical Form
Tc99m	100 mCi	Any
Cs-137	>5 mCi	Sealed Dose Calibrator Reference Source

RADIATION SAFETY PROGRAM RESPONSIBILITY

8.10 Item 7

James M. Botti, MS

We have enclosed a copy of Mr. Botti's board certification certificates for your review.

8.11 Item 7

Authorized Users

Materials

Jack E. Juni, MD Dr. Juni is an authorized user for 35.100 And 35.200 on NRC license #21-32096-01.

We have enclosed a copy of Mr. Botti's board certification certificates for your review.

Creative Technology Services
NRC License Application
January, 2007

FACILITIES AND EQUIPMENT LIST

8.14 Item 9

Well Counters

Caprac Well Counter

Dose Calibrator

CRC 5 Dose Calibrator

Survey Meters

GM Survey Meter

High Range (0-2000 mR/hr)

Low Range (0-0.02 mR/hr)

Other

Lead Glass Face Shields

Leaded Syringe Shields

Remote Handling Tools

Lead Bricks

RadiacWash

Absorbent Pads

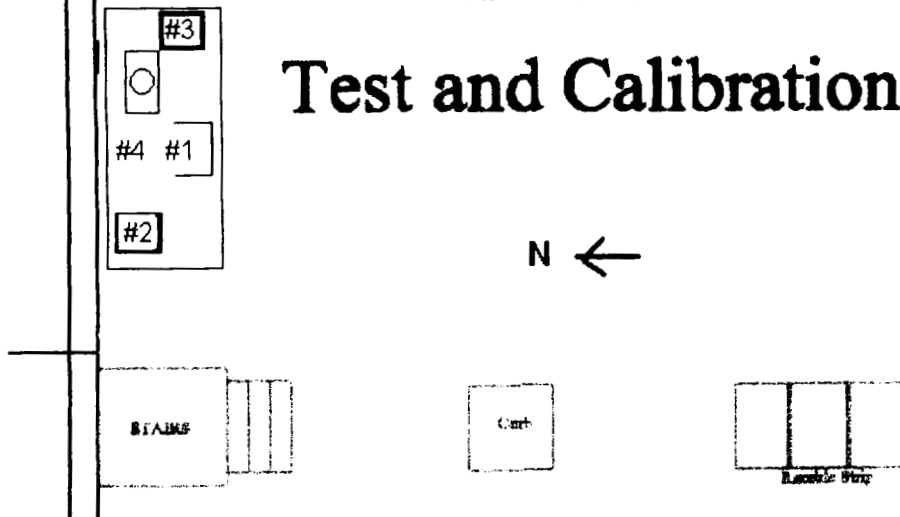
Pack

Inbox
Stagi



AREA OF USE

Test and Calibration



- 1. = Dose Prep Area
- 2. = Sealed Source Storage Area
- 3. = Shielded Waste Storage
- 4. = Package Receipt

5. = Well Counter

Access to all radioactive materials is secured by lock and key. Access is restricted to authorize personnel only.

RADIATION MONITORING INSTRUMENTS

8.16 Item 9

The licensee shall possess calibrated radiation detection and measuring instruments that will be used for radiation protection, including survey and monitoring instruments and quantitative measuring instruments needed to monitor the adequacy of radioactive materials containment and contamination control.

“Radiation monitoring instruments will be calibrated by a person qualified to perform survey meter calibrations.”

1. The manufacturer:
2. Medical Physics Consultants: (NRC License # 21-20153-01)
3. Any authorized user licensed to perform survey meter calibrations as a service.

DOSE CALIBRATOR AND OTHER EQUIPMENT USED TO MEASURE DOSAGES OF UNSEALED BYPRODUCT MATERIAL

8.17 Item 9

Equipment used to measure dosages will be calibrated in accordance with nationally recognized standards (e.g., ANSI) or the manufacturer's instructions.

RADIATION PROTECTION PROGRAM

8.20 Item 10

1. The RSO or delegate will promptly review all film or TLD exposure reports to look for workers or groups of workers whose reported exposures are unusual.
2. All individuals who are occupationally exposed to radiation on a regular basis will be issued a film or TLD whole body monitor.
3. All individuals who handle radioactive material on a regular basis will be issued a film or TLD finger monitor.
4. All individuals who are occupationally exposed to significant radiation levels on an occasional basis, such as nurses caring for radiopharmaceutical therapy or implant patients, will be issued a whole body monitor when caring for those patients.
5. Other individuals who are exposed to radiation on an occasional basis such as security personnel who deliver packages, secretarial personnel who work in the nuclear medicine clinic but do not work with patients, and nurses who occasionally care for patients who have received diagnostic dosages will not normally be issued exposure monitors.
6. All film and TLD badges will be changed on a monthly basis.
7. We will use a NVLAP accredited dosimetry processor.

OCCUPATIONAL DOSE

8.22 Item 10

"We will perform a prospective evaluation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20.

AREA SURVEYS

8.23 Item 10

"We have developed and will implement and maintain written procedures for area surveys in accordance with 10 CFR 20.1101 that meet the requirements of 10 CFR 20.1501 and 10 CFR 35.70"

SAFE USE OF UNSEALED LICENSED MATERIAL

8.24 Item 10

"We have developed and will implement and maintain procedures for safe use of unsealed byproduct material that meet the requirements of 10 CFR 20.1101 and 10 CFR 20.1301"

SPILL PROCEDURES

8.25 Item 10

"We have developed and will implement and maintain written procedures for safe response to spills of licensed material in accordance with 10 CFR 20.1101"

MINIMIZATION OF CONTAMINATION

8.27 Item 10

WASTE MANAGEMENT

8.28 Item 11

"We have developed and will implement and maintain written waste disposal procedures for licensed material in accordance with 10 CFR 20.1101, that also meet the requirements of the applicable section of Subpart K to 10 CFR Part 20 and 10 CFR 35.92."

FEES

8.29 Item 12

Refer to NRC Form 313

CERTIFICATION

8.30 Item 13

Refer to NRC Form 313

The American Board of Radiology

*Organized through the cooperation of the
American College of Radiology, the American Roentgen Ray Society,
the American Radium Society, the Radiological Society of North America,
the Section on Radiology of the American Medical Association,
the American Society for Therapeutic Radiology and Oncology, the Association of
University Radiologists, and American Association of Physicists in Medicine*
Hereby certifies that

James Martin Botti, MS

*Has pursued an accepted course of graduate study
and clinical work, has met certain standards and qualifications and
has passed the examinations conducted under the authority of
The American Board of Radiology*

*On this eighteenth day of May, 1999
Thereby demonstrating to the satisfaction of the Board
that he is qualified to practice the specialty of*

Medical Nuclear Physics



Willy J. Smellie
President

[Signature]
Secretary-Treasurer

M. Paul Cogg, M.D.
Executive Director



Certificate No. P2317

The American Board of Radiology

*Organized through the cooperation of the
American College of Radiology, the American Roentgen Ray Society,
the American Radium Society, the Radiological Society of North America,
the Section on Radiology of the American Medical Association,
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On this eighteenth day of May, 1999

*Thereby demonstrating to the satisfaction of the Board
that he is qualified to practice the specialty of*

Diagnostic Radiologic Physics



Walter J. ...
President

...
Secretary

... M. Paul ... M.D.
Executive Director



Certificate No. P2317

The American Board of Medical Physics

Hereby certifies that

James M. Botti, M.S.

Has satisfactorily met the professional standards
and clinical experience requirements
in medical physics to qualify for

Certification in Medical Physics

with special competence in

Medical Health Physics



May 16, 1996
DATE

Jair M. Khan
CHAIRPERSON

Ann E. Wright
SECRETARY



January 15, 2007

James M. Botti, MS
Radiation Safety Officer
Medical Physics Consultants, Inc.
2309 Shelby Avenue.
Ann Arbor, MI 48103

Re: Radiation Safety Officer / Executive Management
Letter of Understanding

Dear Mr. Botti:

You have been appointed the Radiation Safety Officer (RSO) of this facility. This "Letter of Understanding" has been prepared to demonstrate that you willingly have accepted the duties and responsibilities of this position. I understand that my duties in this position include the following:

- Assume responsibility for implementing the Radiation Protection Program
- Ensure that radiation safety activities are being performed in accordance with our own approved procedures and all regulatory requirements.

The executive management of this facility agrees to provide you as RSO:

- Specific written notation of your authority, duties and responsibilities.
- Sufficient authority, organizational freedom, time, resources and management prerogative to:
 1. Identify radiation safety problems;
 2. Initiate, recommend, or provide corrective actions;
 3. Stop unsafe operations; and,
 4. Verify implementation of corrective actions.

Sincerely,

Executive Management
Don Leith

Radiation Safety Officer
James M. Botti, MS

UNITED STATES

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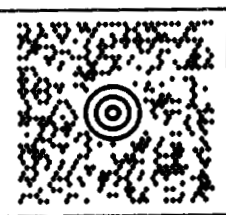
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NUCLEAR REGULATORY COMMISSION
2443 WARRENVILLE RD
STE 210
LISLE IL 60532-3673

BRIAN YOUNG
(734) 207-3441
C T S
7444 HAGGERTY RD
CANTON MI 48187

LTR 1 OF 1

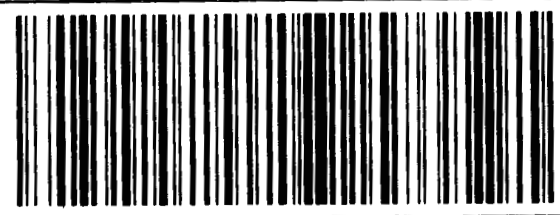
SHIP TO:
REGION III, OFFICE OF MAT'L LICENSE
U.S. NUCLEAR REGULATORY COMMISSION
SUITE 210
2443 WARRENVILLE ROAD
LISLE IL 60532



IL 603 9-03



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