



Teaneck Radiology Center, LLC

RECEIVED
REGION 1

699 Teaneck Road, Teaneck, New Jersey 07666
Tel (201) 836-2500 • Fax (201) 836-7921

'05 JAN 19 8:06

Adrienne Masin Greenblatt, M.D.
Howard Kirzner, M.D.

M 8 16
.L 4

January 13, 2005

Steven Courtemanche
Health Physicist
Division of Nuclear Materials Safety
Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia, PA 19406-1415

RE: License No. 29-28428-01 03031289

Dear Mr. Courtemanche:

The following is in reference to Mail Control No. 135895 and the license renewal application for Teaneck Radiology Center, LLC:

- Dr. Adrienne M. Greenblatt, M.D. is the medical director for the facility and the management representative.
- As Radiation Safety Officer, Michael Teters will have the ability to modify the Radiation Safety Program as required or as he deems necessary to maintain the safe use of radioactive materials. He may also make any changes in policy or procedure in order to keep personnel exposures as low as reasonable achievable.
- The authorized users on the license have agreed to his authority over the Radiation Safety Program.
- The management of the facility has agreed to reasonable expenditure of funds to facilitate the objectives of the Radiation Safety Program.

135895

NMSS/RGNI MATERIALS-002

Page 2

- Michael Teters will be on site a minimum of one day per month and will be available by phone to answer questions regarding the radiation safety program and regulatory requirements. In case of emergency, Mr. Teters can normally be on site within one hour of notification.
- Paul Check, CNMT has been appointed the in-house representative who will serve as the point of contact during the RSO's absence. This person will be allowed to assist the consultant RSO with limited authority.
- Enclosed is a record of an in-service conducted for Dr. Greenblatt and Dr. Kirzner the authorized users identified in the license application. I have enclosed a copy of the NJ Radioactive Materials License, which list these physicians as approved users of radioactive material. Also see additional certificates of continuing education from Dr. Greenblatt.

If you require any additional information do not hesitate to contact me.

Sincerely,



Dr. Adrienne M. Greenblatt
Medical Director

Certificate of Achievement

The Edumed Corporation Certifies that

ADRIENNE GREENBLATT



PARTICIPATED IN THE FOLLOWING ACTIVITY:

9834 - Fundamentals of Radiation Safety

Credit Hours: 1

Reference Number: MNZ0058004

Accrediting Body: ASRT

Certificate ID: 130418

Completed On: 11-Jan-05

Approval Date: 12-Jul-02

Expiration Date: 01-Aug-05

Participant, Sign Here
Maintain for Your Records

Leonard Lieberman, Ph.D.
Director of Medical Education
The Edumed Corporation
6280 Ensign Avenue South, Suite 100
Minneapolis, MN 55438
952.932.9922 Fax 952.932.9993



EduMed

Connecting the Medical World Through Education

Certificate of Achievement

The Edumed Corporation Certifies that

ADRIENNE GREENBLATT



PARTICIPATED IN THE FOLLOWING ACTIVITY:

9839 - Biological Effects of Radiation

Credit Hours: 1

Reference Number: MNZ0058009

Accrediting Body:ASRT

Certificate ID: 130421

Completed On: 12-Jan-05

Approval Date: 01-Jun-02

Expiration Date: 01-Jun-05

Participant, Sign Here
Maintain for Your Records

Leonard Lichtblau, Ph.D.
Director of Medical Education
The Edumed Corporation
9280 Ensign Avenue South, Suite 180
Minneapolis, MN 55431
952.932.8922, Fax 952.932.8953



EduMed

Connecting the Medical World Through Education

Michael Teters, MS, DABR
Medical Physicist

1127 Gresham Rd., Plainfield, NJ 07062
Phone 908-889-2449
Email- tetersms@umdnj.edu

RECORD OF INSERVICE

JANUARY 5, 2005

Topic: Radiation Safety in Radiology & Nuclear Medicine

Presenter: Michael Teters, MS

Attendance: See attached

OUTLINE

a. Background radiation

- sources
- average annual exposure

b. Sources of Occupational Exposure

- X-ray
- Remote fluoro
- Nuclear Medicine, Sealed sources vs. unsealed sources
- Bone densitometry
- CT

c. Film and Ring badges

- Proper Use
- Interpretation of exposure reports
- Annual occupational dose limits

d. Patient Radiation Dose

- average exposure from typical exams
- Methods for limiting patient dose

e. Methods of Lowering Occupational Dose

- Exposure time
- Distance
- Shielding, aprons, thyroid shields, gloves, glasses

- f. NRC regulations**
 - a. package receipt and return**
 - b. surveys and wipe tests**
 - c. patient dose logs**
 - d. dose calibrator requirements and QA testing**
 - e. licensing**
 - f. required signs and postings**

State of New Jersey

Department of Environmental Protection
 Bureau of Environmental Radiation
 Radioactive Materials Section
 PO Box 415, Trenton, NJ 08625-0415
 Phone (609) 984-5462

New Jersey Radioactive Materials License

Pursuant to the New Jersey Radiation Code, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive or use the naturally occurring and/or accelerator produced material(s) (NARM) designated below; and to such radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations, and orders of the State Department of Environmental Protection, now or hereafter in effect, and to any conditions specified below.

1. License No. NJSL-20354/01/013	2. Expiration Date 09/31/2006
3. Licensee: TEANECK RADIOLOGY CENTER, LLC	Address: 699 Teaneck Road Teaneck NJ 07666-0000
Radiation Safety Officer: Michael Teters, M.S., DABR	County: Bergen Telephone: (201) 836-2500
Administrator: Aurienne M. Greehlant, M.D.	5. Reference No.: 190

RADIOACTIVE MATERIALS DATA (A)

6. Material	7. Limit (mCi)	8. Form
A. Any NARM included under Group I, Section 4.7 of NJAC 7:28-4.	2.0000	Any radiopharmaceutical included under Group I, Section 4.7 of NJAC 7:28-4.
B. Any NARM included under Group II, Section 4.7 of NJAC 7:28-4.	100.0000	Any radiopharmaceutical included under Group II, Section 4.7 of NJAC 7:28-4.
C. CO-57	30.0000	Sealed Source

RADIOACTIVE MATERIALS DATA (B)

9. Authorized Use
A. Any diagnostic procedure under Group I of NJAC 7:28-4, Section 4.7
B. Any diagnostic procedure under Group II of NJAC 7:28-4, Section 4.7
C. Reference and/or calibration source.

Conditions begin on the following page.

New Jersey Radioactive Materials License

10. Radioactive material shall only be used at 699 Teaneck Road, Teaneck, New Jersey 07666.
11. Radioactive material listed in Conditions 6, 7 and 8 shall be used by or under the supervision of the following: Howard Kirzner, M.D. and Adrienne M. Greenblatt, M.D.
12. Compliance with other U.S. Agencies having jurisdiction and regulations for radiopharmaceuticals must be maintained.
13. The licensee shall retain records of misadministrations in the use of the licensed radioactive materials. Misadministrations being defined as a radiopharmaceutical or radiation from a sealed source which is improperly used as follows:
 - A. Administration of the wrong radiopharmaceutical or sealed source.
 - B. Administration to the wrong patient.
 - C. Administration by a route other than that intended by the prescribing physician.
 - D. Administered diagnostic dose differing by more than 50 percent of the prescribed dose.
 - E. Administered therapeutic dose differing by more than 10 percent of the prescribed dose.Records of misadministrations are to include the following information: name of the referring physician, description of the event, the effect on the patient and the action taken to prevent recurrence.
14. Radioactive material with a physical half life of less than 300 days may be disposed of as non-radioactive waste provided that (a) the radioactive waste is stored behind adequate shielding to meet the requirements of New Jersey Radiation Code 28-6, (b) the radioactive waste is held for ten half-lives of the longest lived radioisotope to be disposed of, (c) the radioactive waste is monitored with a GM meter prior to disposal to insure background levels, (d) all radiation labels are removed or obliterated and (e) a log shall be maintained to include the results of the radiation survey and date of disposal.
15. The licensee shall make the following items available to their staff:
 - A. Copy of the New Jersey Radiation Protection Code.
 - B. Copy of the New Jersey State Radioactive Material License.
16. The licensee shall post the following items in an area frequented by employees engaged in the use of licensed materials:
 - A. Notice to Employees – RPP-14.
 - B. Emergency procedures involving major, minor spills including the names and phone numbers of people to contact.
 - C. Appropriate signs and labels in areas and/or containers and equipment in which radiation and/or radioactive material are contained. These postings are to conform to Subchapter 10 of the Code.
17. The following tests shall be performed as a minimum:
 - A. Surveys of:
 1. All radioactive materials received.
 2. All radioactive waste decayed to background levels prior to release.

New Jersey Radioactive Materials License

3. Controlled areas, where licensed materials are used on days they are used.
4. Uncontrolled areas, where licensed materials are used on days they are used.
5. Personnel who handle radioactive materials when radioactive materials are used.

B. Wipe tests of:

1. Controlled areas, weekly, where unsealed sources of licensed materials are used during weeks the material is used.

18. The following records shall be maintained:

- A. Radioactive materials received including but not necessarily limited to date of receipt, radionuclide, activity, mass or volume of material, results of package survey, instrument used for surveys and surveyor's initials.
 - B. Radioactive materials administered to patients including but not necessarily limited to date of administration, radionuclide, calibrated activity administered, quantity, patient name, administrator's signature.
 - C. Radioactive material disposals including but not necessarily limited to:
 1. Disposals to Vendor: nuclide, activity, vendor name, quantity, date of disposal.
 2. Disposal by Decay: Results of survey of the waste, date of survey, date of waste disposal, instrument used, and surveyor's initials.
 3. Disposal to Sanitary Sewer: nuclide, activity, volume of dilution waste per day, date of disposal.
 - D. Survey instrument calibration performed annually and after instrument repair.
 - E. Sealed source leak tests at intervals not to exceed six months. Results are to be reported in microcuries.
 - F. Surveys performed in controlled and uncontrolled areas including but not necessarily limited to: test results in mR/hr, date performed, instrument used and surveyor's initials.
 - G. Wipe tests performed in controlled areas including but not necessarily limited to: test results in dpm, date performed, instrument used and surveyor's initials.
 - H. Personnel dosimetry records including but not necessarily limited to: name, social security number, and prior employment exposure history.
 - I. Daily personnel monitoring results including but not necessarily limited to: instrument used, date performed and initials.
19. Protective equipment and clothing including but not necessarily limited to syringe shields, remote handling equipment, adequate shielding, laboratory coats and disposable gloves shall be used by personnel while utilizing radioactive material.
20. Eating, drinking, smoking and applying cosmetics shall not be permitted in controlled areas.

New Jersey Radioactive Materials License

21. Except as specifically provided by this license, the licensee may possess and use radioactive material described in this license only in accordance with statements, representations and procedures contained in the radioactive material license application dated July 12, 2001 signed by David V. Habif, Jr., M.D. and letters dated December 2, 2003, April 23, 2004 and November 15, 2004.

New Jersey Department of Environmental Protection Signature

Date:

11/27/04

By:

William T. Cooney

For the NJ Department of Environmental Protection

