

Veterans  
Administration


October 30, 1984

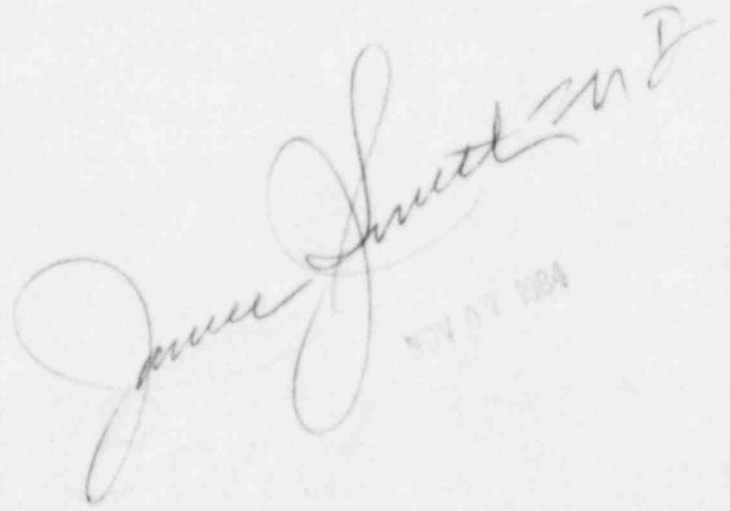
U.S. Nuclear Regulatory Commission  
Division of Fuel Cycle and Material Safety, NMSS  
Washington, D.C. 20555

SUBJECT: Request to Renew License 05-01401-05

The Denver Veterans Administration Medical Center is requesting renewal of NRC License 05-01401-05 for use of an AECL Model 220 Cobalt-60 sealed source irradiator. The attached list and enclosures detail specific changes we wish to include as part of this license.

Please contact Mr. Richard Trow in Nuclear Medicine Service (115), FTS 322-2448 for information regarding this request.

  
for JAMES R. DONACHIE  
Medical Center Director



8511070337 850826  
REQ4 LIC30  
05-01401-06 PDR

REQUESTED CHANGES: LICENSE 05-01401-05

1. Request to ammend page 1 of NRC-3131:

Change 3: From Christopher C. Kuni, M.D., to Richard S. Trow, M.S.  
and extension 322 to extension 2448

Change 6: a. From "See attachment" to Richard S. Trow, Radiation  
Safety Officer  
b. Add Membership, Radiation Safety Committee

Change 7: From William R. Hendee, Ph.D. to Richard S. Trow, M.S.

2. Request to ammend page 2 of Form NRC-3131:

Change 10: Line No. (1)

Change B from Don L. Collins to Technical Associates

Change C from GMS-5 to PUG1AB

Change F from 1 to 20 mR/hr to 4 ranges, 0-20 mR/hr

Line No. (2)

Change B from Victoreen to Technical Associates

Change C from 592-B to SML-2

Change F from 0-1000 mR/hr to 4 ranges 0-20 mR/hr

Changes reflect equipment replacement.

Change 12: Change B from Eberline to Landauer

Change C to monthly only

Changes reflects vendor change for cost reasons.

3. Request change of Item 15.a by adding a new sentence: "The licensee will control and regulate the radiation protection program in a manner consistent with the management committment to ALARA as described in the attached ALARA program".
4. Request change in License Condition 13.C from 0.005 microcuries to 0.05 microcuries to be consistent with Item 15.D.2 and 3 of previous submission and paragraph 4, page 19 of Regulatory Guide 10.9.
5. Request change in Items 16 and 17, paragraph 2, to reflect change in Radiation Safety Committee prescribed by 35.116 of the Regulations and the Radiation Safety Officer: "The representative membership of the Radiation Safety Committee is attached. The resume for the Radiation Safety Officer is attached". Committee membership list and Radiation Safety Officer's resume are enclosed.
6. Request removal of the "Emergency Procedures" attachment and insert enclosed "Emergency Procedures" to reflect changes in telephone system and personnel.

Model Program for Maintaining Occupational  
Radiation Exposures at Medical Institutions ALARA

Denver Veterans Administration Medical Center  
(Licensee's Name)

2/5/81  
(Date)

I. Management Commitment

- a. We, the management of this (medical facility, hospital, etc.) are committed to the program described in this paper for keeping exposures (individual and collective) as low as reasonably achievable (ALARA). In accord with this commitment, we hereby establish an administrative organization for radiation safety and develop the necessary written policy procedures and instructions to foster the ALARA concept within our institution. The organization will include a Radiation Safety Committee (RSC)<sup>1</sup>, and a Radiation Safety Officer (RSO). We are also committed to following the guidance provided by U.S. Nuclear Regulatory Guides 8.10 and 8.18.
- b. We will perform a formal audit annually to determine how exposures might be lowered. This shall include reviews of operating procedures and past exposure records, inspections, etc., and consultations with the radiation protection staff or outside consultants. A brief summary of the audit will be prepared covering the scope of the review and the conclusions reached.
- c. Modification to operating and maintenance procedures and to equipment and facilities will be made where they will significantly reduce exposures at reasonable costs. We will be able to demonstrate that improvements have been sought, that modifications have been considered, and that they have been implemented where practicable. Where modifications have been considered but not implemented, we will be prepared to describe the reasons for not implementing them.
- d. In addition to maintaining doses to individuals as far below the limits as is reasonably achievable, the sum of the doses received by all exposed individuals will also be maintained at the lowest practicable level. It would not be desirable, for example, to hold the highest doses to individuals to some fraction of the applicable limit if this involved exposing additional people and significantly increasing the sum of radiation doses received by all involved individuals.

<sup>1</sup> Private practice physician licenses do not include a RSC.

## II. Radiation Safety Committee (RSC)<sup>2</sup>

### a. Review of Proposed Users and Uses

1. The RSC will thoroughly review the qualifications of each potential authorized user with respect to the types and quantities of materials and uses for which he has applied to assure that the user will be able to take appropriate measures to maintain exposure ALARA.
2. When considering a new use of byproduct material, the RSC will review the efforts of the authorized user to maintain exposure ALARA. The user should have systematized procedures to ensure ALARA, and should have considered the use of special equipment such as syringe shields, rubber gloves, etc., in his proposed use.
3. The RSC will ensure that the user justifies his procedures and that they will result in ALARA doses (individual and collective).

### b. Delegation of Authority

(The judicious delegation of RSC authority is essential to the enforcement of an ALARA program.)

1. The RSC will delegate sufficient authority to the RSO for enforcement of the ALARA concept.
2. The RSC will support the RSO in those instances where it is necessary for the RSO to assert his authority. Where the RSO has been overruled, the Committee will record the basis for its action.

### c. Review of ALARA Program

The RSC of our medical facility will perform an annual review of all radiation safety programs. This review will be performed independently of that performed by management.

1. The RSC will encourage all users to review current procedures and develop new procedures as appropriate for ways to implement the ALARA concept.

<sup>2</sup> The RSO on private practice physician licenses will assume the responsibilities of the RSC under Section III.

2. The RSC will review all instances of deviations from the ALARA philosophy. Information in support of the review will normally be supplied by the RSO.
  3. The RSC will evaluate our institution's overall efforts for maintaining exposures ALARA. This review will include the efforts of the RSO, authorized users, and workers as well as those of management.
- d. Public Statement of Commitment by the RSC to ALARA

All elements of our institution will be informed of the RSC's commitment to the ALARA concept.

1. The RSC will ensure that employees are aware of the RSC's commitment to the ALARA philosophy.
2. The RSC will demonstrate its commitment to the ALARA concept through the methods employed in its review of proposed users and uses.

### III. Radiation Safety Officer (RSO)

- a. Periodic Review and Audit of the Radiation Safety Program for Compliance with ALARA Concepts. (This is the key element in any ALARA program.) Frequent reviews of procedures will be conducted.
  1. The RSO will review and audit, on a regular basis (at least annually), the effectiveness of his own radiation protection program in maintaining doses (individual and collective) ALARA.
  2. The RSO will review exposures of authorized users and occupational workers to determine that their exposures are ALARA.
  3. The RSO will review radiation levels in unrestricted and restricted areas and releases of effluents to unrestricted areas to determine that they are at ALARA level.
- b. The RSO's Education Responsibilities for an ALARA Program
  1. The RSO will schedule briefings and educational sessions to inform workers of ALARA program efforts.
  2. The RSO will assure that authorized users, occupational workers and ancillary personnel understand the ALARA philosophy and know that management, the RSC, and the RSO are committed to implementing the ALARA concept.

c. Cooperative Efforts for Development of ALARA Procedures

Individuals who must work with ALARA concepts will be given opportunities to participate in formulation of the procedures that they will be required to follow.

1. The RSO will maintain close contact with all users and workers in order to develop ALARA procedures for working with radioactive materials.
2. The RSO will establish procedures for encouraging, receiving, and evaluating the suggestions of individual workers for improving health physics practices.

d. Reporting and Reviewing Instances of Deviation from Good ALARA Practices

1. The RSO will investigate all instances of deviation from good ALARA practices; and, if possible, determine the causes. When the cause is known, the RSO will propose changes in the program to maintain exposures ALARA.
2. The RSO will report all significant instances of deviation from ALARA concepts to the RSC for review.

IV. Authorized Users

a. New Procedures Involving Potential Radiation Exposures

1. The authorized user will consult the RSO and RSC before using radioactive materials for a new procedure.
2. The authorized user will consider all procedures thoroughly before using radioactive materials to ensure that exposures will be kept ALARA. This may be enhanced through the application of trial runs.

b. Responsibility of the Authorized User to Those He Supervises

1. The authorized user will thoroughly explain the ALARA concept and his commitment to maintain exposures ALARA to all of those he supervises.
2. The authorized user will ensure that his occupational workers are trained and educated in good health physics practices and in maintaining exposures ALARA.

3. The authorized user will be responsible to the radiation safety concerns of the individuals that he supervises.
- c. Continuing Review of ALARA Concepts by the Authorized User
    1. The authorized user will continuously review his procedures to ensure that his ALARA program is optimal.
    2. The authorized user will maintain contact with the RSO to ensure that he is aware of and employs the most current methods to maintain exposures ALARA.
- V. Occupational Worker
    - a. What the Occupational Worker Must Consider about ALARA
      1. The worker will implement ALARA procedures developed by the authorized user and the RSO.
      2. The occupational worker will know what recourses are available if he feels that ALARA is not being promoted on the job.
      3. The occupational worker will understand that ALARA concept and will review his own working conditions and those of his fellow workers for the implementation of ALARA principles.
- VI. Establishment of Action Levels in Order to Achieve Reductions in Individual Occupational Exposures

This institution (or private practice) hereby establishes exposure action levels for specific kinds or classes of operations which, when exceeded, will trigger investigation by the Radiation Safety Committee and/or the Radiation Safety Officer. The exposure action levels that we have established are listed in Section VII below. These levels apply to the exposure of individual workers. The exact levels have been determined based on our institution's radiation exposure history and a thorough analysis of our current program. We will maintain on file at our institution an account of the considerations used in establishing action levels.

Written justification is appended to this program for any exposure action levels that exceed 10% of MPD (10 CFR 20.201). This justification includes details of the past exposure history at this institution for the particular kind or class of operation, a summary of efforts taken to reduce this exposure, and an explanation of why further dose reductions are not feasible.



We will investigate the causes of personnel exposures that exceed our established exposure action levels. In the event of a personnel exposure that exceeds our established action levels or 10% of MPD, whichever is higher, we will maintain accounts of our investigation for inspection by the NRC. As a minimum, these accounts will include the cause of the exposure, the action taken to correct the situation and the follow-up action taken.

## VII. Action Levels

(List the kinds or classes of operations at your institution that generate personnel exposure together with the associated exposure action levels that you have established. Be certain to include written justification for levels that exceed 10% of MPD. Include in your justification details of the past exposure history at your institution (or private practice) for the particular kind or class of operations, a summary of the efforts taken to reduce this exposure, and an explanation of why further dose reductions are not feasible. You may wish to identify such items as cost/benefit analysis and the possible increases in collective dose (man rem) as a result of proposed actions.)

The specific action levels established by this institution (or private practice), are as follows:

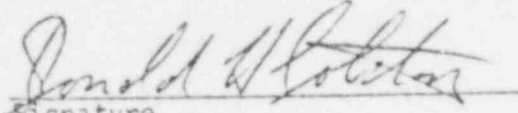
<u>Kind or Class of Operation<sup>3</sup></u>	<u>Action Level</u>
1. All occupationally exposed workers	100 mR/month, or 300 mR/quarter, or 500 mR/year
2.	
3.	
4.	
5.	
6.	

<sup>3</sup> Examples of kinds or classes of operations are: diagnostic nuclear medicine, Radioimmunoassay procedures, teletherapy, etc.



VIII Signature of Certifying Official<sup>4</sup>

I hereby certify that this institution (or private practice), is committed to the ALARA Program set forth above.

  
Signature

Donald H Colston  
Name (print or type)

Acting Medical Center Director  
Title

Institution (or Private Practice) Name and Address:

Veterans Administration Medical Center  
1055 Clermont  
Denver, CO 80220

<sup>4</sup> The individual who is authorized to make commitments for the administration of the institution (e.g., hospital administrator, etc.) or, in the case of a private practice, the licensed physician.

MEDICAL CENTER POLICY  
MEMORANDUM 00-3  
SECTION C-14  
Attachment 1

(115)

1. MEMBERSHIP:

Chief, Nuclear Medicine Service - Chairman  
Assistant Medical Center Director  
Representative, 10CFR 33  
Representative, 10CFR 31  
Representative, Nursing Service  
Consulting Physicist, University of Colorado Health Sciences Center  
Radiation Safety Officer

TRAINING AND EXPERIENCE  
[REDACTED] RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER

RICHARD S. TROW, M.S.

2. STATE OR TERRITORY IN  
WHICH LICENSED TO  
PRACTICE MEDICINE

## 3. CERTIFICATION

SPECIALTY BOARD  
ACATEGORY  
BMONTH AND YEAR CERTIFIED  
C

## 4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES

FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING	TYPE AND LENGTH OF TRAINING	
		LECTURE/ LABORATORY COURSES (Hours) C	SUPERVISED LABORATORY EXPERIENCE (Hours) D
Radiation Health Physics	Graduate School @ University of Colo. Health Sciences Center, Colo. State University		
a. RADIATION PHYSICS AND INSTRUMENTATION	UCHSC - 1967-70 CSU - 1970-71	162 class room hours (CHR)	
b. RADIATION PROTECTION	CSU	120 class room hours (CHR)	
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	UCHSC	18 CRH	
	CSU	96 CRH	
d. RADIATION BIOLOGY	UCHSC	36 CRH	
	CSU	48 CRH	
e. RADIOPHARMACEUTICAL CHEMISTRY	UCHSC	60 CHR	
	CSU	60 CHR	

## 5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Mo-99/Tc-99m	2 Ci	UCHSC and VAMC	16 yrs	Radio pharmacy/ research/rad. safety
I-125/I-131	200 mCi	" "	16 yrs	" " "
Xe-133	2 Ci	" "	16 yrs	" " "
H-3, C-14, Less than S-35, P-32 100 mCi Sn-113, I-113, etc.		" "	16 yrs	" " "

October, 1984

## CURRICULUM VITAE

NAME: Richard S. Trow, M.S.

DATE OF BIRTH: August 1, 1941

PLACE OF BIRTH: Delphos, Kansas

MARITAL STATUS: Married, three children

PRESENT POSITION: Radiation Safety Officer  
Veterans Administration Medical Center  
Denver, Colorado

Instructor in Radiology  
University of Colorado Health Sciences Center  
Denver, Colorado

EDUCATION: Colorado State University, Ft. Collins, Colorado  
B.S. Degree in Physical Sciences, 1964

University of Colorado Medical Center, Denver, Colorado  
Pharmacology and Radiology Graduate Work (concurrent with  
employment), 1965-1970

Colorado State University, Ft. Collins, Colorado  
M.S. Degree in Radiation Biology (Radiation Health Physics),  
1970-1971

EXPERIENCE: June, 1983 - Present

VA Medical Center. Primary responsibility as Radiation Safety Officer for Medical Center including safety assessment, surveillance, and regulatory compliance for all types and sources of ionizing radiation. Retained responsibilities as Administrative Assistant, Nuclear Medicine and research activities.

August, 1981 - June, 1983

VA Medical Center. Assigned operational responsibilities for radiation safety program under the supervision of the Radiation Safety Officer. Retained responsibilities as Research Chemist and Administrative Assistant, Nuclear Medicine Service.

June, 1971 - August, 1981

VA Medical Center, Nuclear Medicine Service. Duties involved clinical and research functions. As Administrative Assistant, functioned as administrator and clinical supervisor for the Service. As Research Chemist, involved in both original and collaborative research and development of new radiopharmaceuticals and mechanisms of localization. Trained radiation safety technologists employed by the Medical Center in health physics methodologies

March, 1967 - June, 1970

University of Colorado Medical Center, Department of Radiology, Division of Nuclear Medicine. Research and development of radiopharmaceuticals, teaching, research assistance, regulatory licensing and compliance and radiopharmaceutical radiation dosimetry.

May, 1964 - March, 1967

University of Colorado Medical Center, Department of Pharmacology. Basic medical research.

PROFESSIONAL SOCIETIES: Society of Nuclear Medicine -  
Radiopharmaceutical Sciences Council  
Computer Sciences Council  
Vice President, Rocky Mtn. Chapter, 1976-1977  
Board of Trustees, Society of Nuclear Medicine, 1979-1980  
President elect, Rocky Mtn. Chapter, 1979-1980  
President, Rocky Mtn. Chapter, 1980-1981

Sigma Xi

Health Physics Society -  
Treasurer, Rocky Mtn. Chapter, 1973-1974  
Secretary, Rocky Mtn. Chapter, 1974-1975  
Councilman, Rocky Mtn. Chapter, 1975-1976

American Association of Physicists in Medicine

## PUBLICATIONS:

1. Brown DW, Groth CT, Brettschneider L, Cordes D, Cleaveland JD, Trow RS, Starzl TE:  $^{99m}\text{Tc}$  sulfide scanning in clinical and experimental orthotopic liver homotransplantation. J NUCL MED 9(6): 306, 1968. (ABSTRACT)
2. Trow RS, Brown DW, Ahrens CR, Cleaveland JD, Lee JI: Albuminum ( $^{113}\text{In}$ ) hydroxide particles for perfusion lung scanning. J NUCL MED 10(6): 377, 1969 (ABSTRACT)
3. Trow RS, Brown DW, Ahrens CR, Cleaveland JD, Lee JI:  $^{113}\text{In}$  (albuminum) hydroxide particles for lung scanning. RADIOLOGY 93(3): 611-614, 1969.
4. Brown DW, Groome DS, Cleaveland JD, Trow RS, Lee JI: An on-line computer system for the nuclear medicine laboratory. J NUCL MED 11: 203-207, 1970.
5. Brown DW, Trow RS, Cleaveland JD, Ryerson TW:  $^{99m}\text{Tc}$  and  $^{113m}\text{In}$  in nuclear medicine. S DAKOTA MED J 23(7): 29-31, 1970.
6. Alfrey A, Miller N, Trow RS, Contiguglia SR: Bone magnesium pools in magnesium excess and depletion. CLINICAL RES (Feb) 1973. (Abstract)
7. Brown DW, Kirch DL, Trow RS: Non-linear frequency domain techniques for smoothing and enhancement of radionuclide images. APPLICATION OF OPTICAL INSTRUMENTATION IN MEDICINE. Volume 35 (July) 1973. Proceedings of the SPIE National Seminar held November 29-30, 1972, Chicago, Illinois.
8. Brown DW, Kirch DL, Trow RS, Stern D: Quantification of the radionuclide image. SEMINARS NUCL MED 3: 311-326, 1973.
9. Rutherford RB, Trow RS: The pathophysiology of irreversible hemorrhagic shock in monkeys. J SURG RES 14: 538-550, 1973
10. Brown DW, Kirch DL, Trow RS: Optical image enhancement in nuclear medicine. Vol. 43 APPLICATIONS OF OPTICAL INSTRUMENTATION IN MEDICINE - II. Proceedings of the SPIE seminar held November 21-30, 1973, Chicago, Illinois.
11. Steele PP, Van Dyke D, Trow RS, Anger HO, Davies H: A simple and safe bedside method for serial measurement of left ventricular ejection fraction, cardiac output, and pulmonary blood volume. B HEART J 38: 122-131, 1974.
12. Brown DW, Kirch DL, Trow RS, LeFree MT: Optical image enhancement in nuclear medicine. PROCEEDINGS OF ROCKY MOUNTAIN BIOENGINEERING SYMPOSIUM and ELEVENTH INTERNATIONAL ISA BIOMEDICAL SCIENCES INSTRUMENTATION SYMPOSIUM April 15-17, 1974. BIOMEDICAL SCIENCES INSTRUMENTATION - Volume 10, pp, 161-164.
13. Kirch DL, LeFree MT, Trow RS, Steele PP, Brown DW: A systems approach to the implementation of a dynamic radionuclide phantom for evaluation of the high count rate performance of camera/computer devices. PROCEEDINGS OF THE FOURTH SYMPOSIUM ON THE SHARING OF COMPUTER PROGRAMS AND TECHNOLOGY IN NUCLEAR MEDICINE, Oak Ridge, Tenn., May 10-11, 1974.
14. Kirch DL, Steele PP, Trow RS, LeFree MT, Brown DW: Digitization of the output of an image intensifier camera using a silicon diode array (ABSTRACT). J NUCL MED 15: 509, 1974.

15. Steele PP, Van Dyke DC, Ellis JH, Trow RS, Anger HO, Davies: Evaluation of central circulatory dynamics with the scintillation probe. PROCEEDINGS OF IAEA-SM-185 ON DYNAMIC STUDIES WITH RADIOISOTOPES IN CLINICAL MEDICINE AND RESEARCH, July 15-19, 1974.
16. Alfrey AC, Miller NL, Trow RS: Effect of age and magnesium depletion on bone magnesium pools in rats. J CLINICAL INVEST 54: 1074-1081, Nov. 1974.
17. Kirch D, Steele PP, Trow RS, LeFree MT, Brown DW: A high count-rate dynamic imaging system using a silicone diode array. MEDICAL PHYSICS, 1: 106, 1974 (ABSTRACT)
18. Maddous G, Pappas G, Jenkins M, Baddock D, Trow R, Smith S, Steele P: Effects of pulsatile and nonpulsatile flow during cardiopulmonary bypass on left ventricular ejection fraction early after aortocoronary bypass surgery. AMER J CARDIOLOGY 37: 1000-1006, June 1976.
19. LaForce FM, Hopkins J, Trow RS, Wang WLL: Human oral defenses against gram-negative rods. ANN REV RESP DIS 114: 929-935, 1976.
20. Rutherford RB, Balis JV, Trow RS, Graves GM: Comparison of equivalent stages of endotoxin and hemorrhagic shock. J TRAUMA 16: 886-897, 1976.
21. Gordon AB, Trow RS, Norton LW: Gastric ulcers following vagotomy in piglets. WORLD J SURG 2: 843-848, 1978,
22. Thompson B, Trow R, LaForce FM: Effect of atropine on oral clearance of technetium radiolabeled sulfur colloid. AM FED CLIN RES Sept, 1981 (ABSTRACT)
23. Trow RS, Klingensmith GJ, Klingensmith WC, Huffer WE, Schalch DS: Effect of hypophysectomy and hormonal replacement on the uptake of Tc-99m methylene diphosphonate in metaphysis and shaft of the rat femur. J NUCL MED 24: 224-227, 1983.
24. Van Duzee BF, Schaefer JA, Ball JD, Cowan RJ, Kuni C, Trow R, Watson NE: Relative lesion detection ability of Tc-99m HMDP and Tc-99m MDP. J NUCL MED 25: 166-169, 1984.
25. LaForce FM, Thompson B, Trow R: Effect of atropine on the oral clearance of a radiolabeled sulfur colloid. J LAB CLIN MED, in press.



EMERGENCY PROCEDURES  
FOR GAMMACELL 220

1. In the event of an electrical or mechanical failure of the working parts of the unit, notify the Radiation Safety Office to have the unit restored to working order.
2. Report any FIRE in the area on extension 2222, and then notify the Radiation Safety Office.
3. In the event of any emergency involving the structure or shielding of the Gammacell 220:
  - a. Turn off the power to the unit.
  - b. Tear off a copy of these instructions and vacate the area immediately
  - c. Notify the Radiation Safety Office and the Engineering Division of the emergency.
  - d. See that all other personnel are out of the sub-basement and basements of Building 19 and 21.
4. If you and/or any other persons may possibly have been overexposed to radiation as a result of a situation as described in the paragraph above, report to the Personnel Service for medical evaluation and accident reports.
5. In the event that any of the engineering equipment in other parts of the sub-basement appears to be malfunctioning, notify the Engineering Division.

Telephone Numbers:

Fire: 222

Radiation Safety Office: 2448, 2447

Radiation Safety Officer: 2447, 2448      Home: 755-3584

Engineering Division: 2604

18366

Medical Center

1055 Clermont Street  
Denver, CO 80220



Veterans  
Administration

MS

OCT 2 1979

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Director, Nuclear Medicine Service (115)  
Veterans Administration Central Office  
Washington, D.C. 20420



SUBJ: Application for renewal of NRC License

Enclosed you will find an original and one copy of our application  
for renewal of NRC License Number 05-01401-05 for your concurrence.  
Please forward these documents to:

Director of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20420

JAMES G. MARTIN  
Medical Center Director

Attachments

RECEIVED

OCT 9 1979

NUCLEAR MEDICINE SERVICE  
(115)

FEE EXEMPT

OCT 12 1979

JAMES J. SMITH, M. D. (115)  
Director, Nuclear Medicine Service  
VA Central Office  
Washington, D.C. 20420

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In Reply Refer To: 554/115