

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.

FEDERAL AGENCIES FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIAL SECTION 8
531 PARK AVENUE
KING OF PRUSSIA, PA 19406

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II
MATERIAL RADIATION PROTECTION SECTION
101 MARIETTA STREET, SUITE 2900
ATLANTA, GA 30323

IF YOU ARE LOCATED IN:

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

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
MATERIAL RADIATION PROTECTION SECTION
1450 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94596

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 JURISDICTION.

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

- ☐ A. NEW LICENSE
☒ B. AMENDMENT TO LICENSE NUMBER 25-17163-02
☐ C. RENEWAL OF LICENSE NUMBER _____

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code)

Northern Rockies Regional Cancer
Treatment Center
1239 North 28th Street
Billings, MT 59101

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Same as 2 above

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

David W. Switzer, M.S.

TELEPHONE NUMBER

406 240-2212

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. See Exhibit 1

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

See Exhibit 1

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

See Exhibit 1

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

See Exhibit 1

9. FACILITIES AND EQUIPMENT.

See Exhibit 1

10. RADIATION SAFETY PROGRAM

See Exhibit 1

11. WASTE MANAGEMENT.

See Exhibit 1

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

FEE CATEGORY F.B.

AMOUNT ENCLOSED \$ 120.00

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, 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.

SIGNATURE—CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

David W. Switzer David W. Switzer, M.S. Radiation Safety Officer 5/14/87

14. VOLUNTARY ECONOMIC DATA

A. ANNUAL RECEIPTS

< \$250K	\$1M-3.5M
\$250K-500K	\$3.5M-7M
\$500K-750K	\$7M-10M
\$750K-1M	> \$10M

B. NUMBER OF EMPLOYEES (Total for entire facility excluding outside contractors)

24

C. NUMBER OF BEDS

None

D. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Costs and/or staff hours) ON THE ECONOMIC IMPACT OF CURRENT NRC REGULATIONS OR ANY FUTURE PROPOSED NRC REGULATIONS THAT MAY AFFECT YOU? (NRC regulations permit it to protect confidential commercial or financial—proprietary—information furnished to the agency in confidence)

☒ YES

☐ NO

FOR NRC USE ONLY

TYPE OF FEE

FEE LOG

FEE CATEGORY

COMMENTS

APPROVED BY

And

June 1-14

7C

H. H. H.

AMOUNT RECEIVED

CHECK NUMBER

DATE

8801220279 B70702
REQ4 LIC30
25-17163-02 PDR

DATE

461524

EXHIBIT 1

5. No change from present
6. No change from present
7. No change from present
8. No change from present
9. No change from present
10. No change from present
11. No change from present

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APPLICATION FOR BYPRODUCT MATERIAL LICENSE—MEDICAL
SUPPLEMENT A—PRECEPTOR STATEMENT

This page is to be completed by the applicant physician's preceptor. If more than one preceptor is necessary to document experience, obtain a separate statement from each. Back of page may be used for comments.

9. NAME AND ADDRESS OF APPLICANT PHYSICIAN (Include ZIP Code)

Frederick C. Lindemann, M.D.
6380 So. University Blvd.

Littleton, Colorado 80120

License No 49-14898-02

10. CLINICAL TRAINING AND EXPERIENCE OF PHYSICIAN NAMED IN ITEM 9 ABOVE

(A) ISOTOPE	(B) CONDITIONS DIAGNOSED OR TREATED	(C) No. Cases Observed (See 1 in key below)	(D) No. Cases Involving Personal Participation (See 2 in key below)
I-131	Diagnosis of thyroid function	140	120
	Dilution studies	2	4
	Excretion studies	2	2
	Brain tumor localization	1	1
	Scanning studies	98	88
	Treatment of hyperthyroidism	25	9
	Treatment of cardiac conditions	0	0
	Treatment of thyroid carcinoma	5	3
P-32 Soluble	Treatment of polycythemia	2	2
	Treatment of leukemia	1	1
	Treatment of bone metastases	3	2
	Tumor localization	0	0
	Intracavitary treatment	3	3
	Interstitial treatment	0	0
Au-198	Intracavitary treatment	4	3
	Interstitial treatment	0	0
	Scanning studies	120	105
Cr-51	Blood determinations	2	2
	Scanning studies	5	5
Co-58 or Co-60	Diagnosis of pernicious anemia	15	8
Co-60	Interstitial treatment	0	0
I-192	Intracavitary treatment	0	0
Co-60 or Cs-137	Teletherapy treatment	240	200
Sr-90	Treatment of superficial diseases of the eye	10	10
Other Isotopes Use back of page	See Item 9		

Key to Column (C) and (D) above

1. Observation should consist of observing radioisotope administration techniques and discussion with preceptor the case histories to establish most appropriate diagnostic and/or therapeutic procedure, limitation, contraindications, etc.
2. Personal participation should consist of (a) supervised examination of patients to determine the suitability for radioisotope diagnosis and/or treatment and recommendation on dosage to be prescribed; (b) collaboration in calibration of the dose and the actual administration of the dose to the patient, including calculation of the radiation dose, related measurements, and plotting of data; and (c) adequate period of training to enable the physician to manage radioactive patients and to follow patients through diagnosis and/or the course of treatment.

11. DATES AND TOTAL NUMBER OF HOURS OF CLINICAL RADIOISOTOPE TRAINING 1966 - 1970 500 hours

12. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF Wendell P. Stampfli, M.D.

Denver, Colorado
AT St. Luke's Hospital

(Institution Name and Address)

(Byproduct Material License Number)

WPS Stampfli MD
(Signature of Preceptor)

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EXPERIENCE WITH RADIATION

Initial experience with radiation included four months under Dr. Aaron Katz (Radiologist), John Moses AFH, Minot AFB, Minot No. Dakota in 1966.

I have completed three years of an approved residency in Radiology at St. Luke's Hospital, Denver, Colorado under the preceptorship of Dr. Wendell P. Stampfli. Training in radiotherapy and isotopes was under Dr. Joe Stapleton, Radiotherapist (deceased) and Dr. Glenn M. Haluska, Radiotherapist. I will be taking Board examinations June 20, 1970.

Experience included:

- (1) Co⁶⁰ - Theratron 80 - 6200 Ci source.
- (2) 250 KVP General Electric Maximar
- (3) 120 KVP 1.8 HVL Al KX-10 General Electric
- (4) I¹³¹ for therapy for hyperthyroidism and thyroid carcinoma.
- (5) P³² Intraperitoneal etc.
- (6) Cs¹³⁷ Intracavitary
- (7) Ra²²⁶ Intracavitary
- (8) Radon²²² seeds interstitial

Experience gained in isotopes with the use of:

- (1) Anger Camera (Pho Gamma III)
- (2) Nuclear Chicago Pho Dot Scanner
- (3) Nuclear Chicago Probe
- (4) Picker Omniscanner

Isotopes utilized during this time included I¹³¹, Hg¹⁹⁷, Hg²⁰³, Au¹⁹⁸, Tc^{99m}, Co⁵⁷, Cr⁵¹, P³², Sr⁸⁵ in forms appropriate for the specific diagnostic test required.

In addition I have done investigative work in the use of Au¹⁹⁸ for lymphoscintigraphy.

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