

LINDELL RADIOLOGY, P.A.

LINDELL SQUARE PROFESSIONAL PLAZA

1601 MILLTOWN ROAD - SUITE 11

WILMINGTON, DELAWARE 19808

(302) 995-2037

JOSEPH R. PEACOCK, M.D.

June 24, 1987

Gentlemen:

I am requesting authorization for iodine-125 to be used in an OSTEO ANALYZER. The iodine-125 will be a sealed source used in the unit which is manufactured by AECL of Canada.

Model Number of Sealed Source 235

Source Holder Model 236

The Osteo Analyzer is sold by Siemens Medical Systems, Inc.

The Source exchange will be performed by Joseph Peacock, M.D., at intervals of approximately five (5) months. The location of the Unit will be:

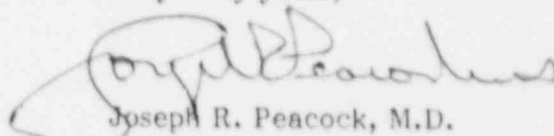
Lindell Radiology, P.A.
Suite 12
1601 Milltown Road
Wilmington, DE 19808

The specific location of this unit within this facility is denoted on the enclosed floor plan. There is no basement or occupied spaces above this room.

The old Iodine-125 source will be returned to the AECL of Canada in the same package as the new source was sent. The manufacturer's instructions as to labeling and handling the return source will be followed.

In addition to the above equipment, the seller of this equipment is also furnishing a survey instrument with a sodium iodide detector calibrated for iodine-125. This survey instrument has sufficient sensitivity to detect 200 dpm (has detection efficiency of approximately 90 percent), and is manufactured by Bicron (Model 50).

Very truly yours,


Joseph R. Peacock, M.D.

License Fee Information
on application.

JRP/da

8801220686 870806
REG1 LIC30
07-20884-01 PDR

"OFFICIAL RECORD COPY"

00 & WJ SZ JUN 25 1987

RECEIVED-REGION 1

6-29-87
107467

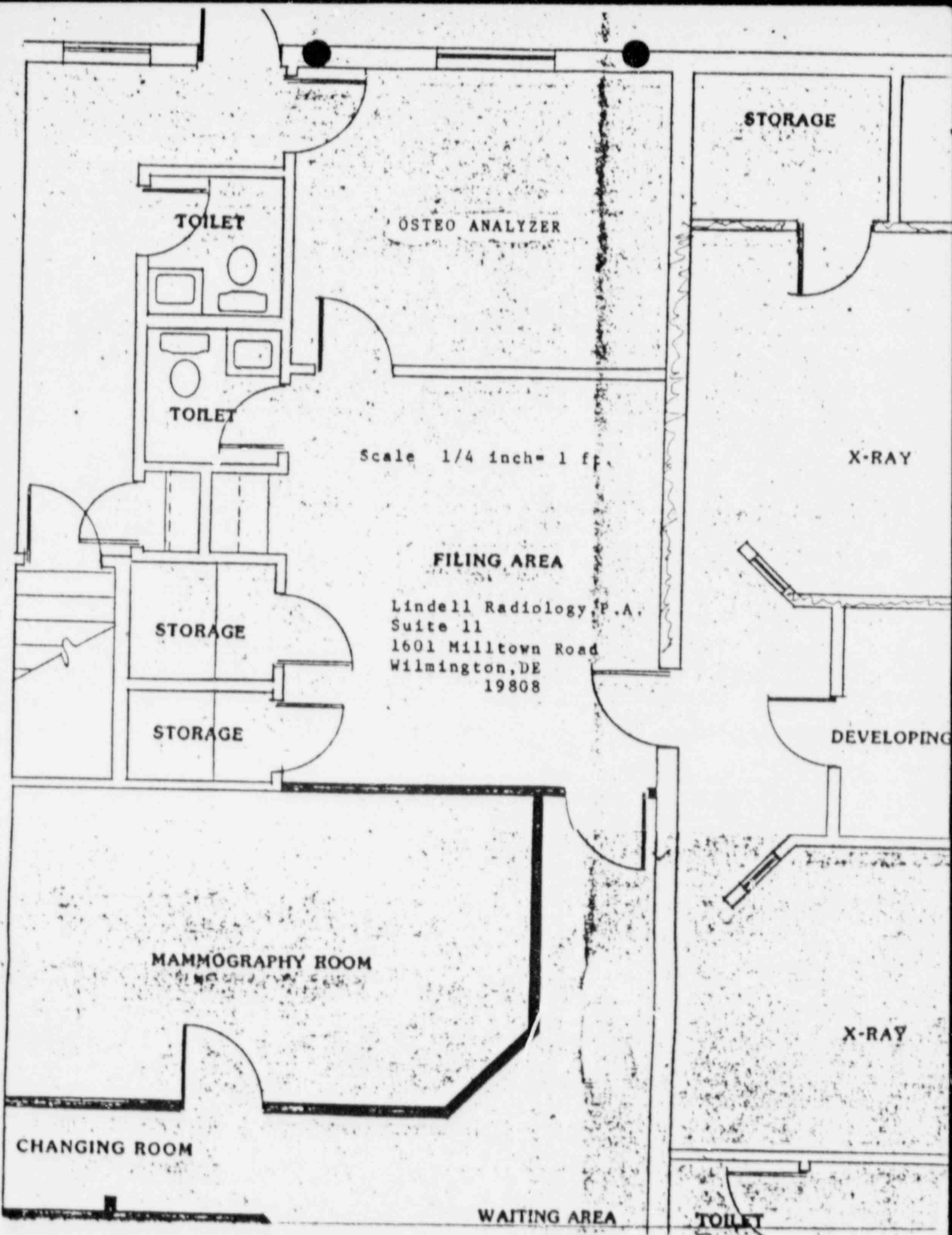
ML18

EXHIBIT A

FORM NRC-313M (8-78) 10 CFR 35	U.S. NUCLEAR REGULATORY COMMISSION APPLICATION FOR MATERIALS LICENSE - MEDICAL	Approved GAO R0557
INSTRUCTIONS - Complete Items 1 through 26 if this is an initial application or an application for renewal of a license. Use supplemental sheets where necessary. Item 26 must be completed on all applications and signed. Retain one copy. Submit original and one copy of entire application to: Director, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555. Upon approval of this application, the applicant will receive a Materials License. An NRC Materials License is issued in accord with the general requirements contained in Title 10, Code of Federal Regulations, Part 30, and the License is subject to Title 10, Code of Federal Regulations, Parts 19, 20 and 35 and the license fee provision of Title 10, Code of Federal Regulations, Part 170. The license fee category should be stated in Item 26 and the appropriate fee enclosed.		
1. a. NAME AND MAILING ADDRESS OF APPLICANT (Institution, firm, clinic, physician, etc.) INCLUDE ZIP CODE J.R. Peacock, M.D. Lindell Radiology, P.A. 1601 Milltown Rd., Suite 11 Wilmington, DE 19808 TELEPHONE NO. AREA CODE: 302 995-2037		1. b. STREET ADDRESS(ES) AT WHICH RADIOACTIVE MATERIAL WILL BE USED (If different from 1. a.) INCLUDE ZIP CODE 2700 Silverside Rd Wilmington, DE 19810
2. PERSON TO CONTACT REGARDING THIS APPLICATION Edward Torvik, Sc.D., Physicist TELEPHONE NO. AREA CODE: 302 733-1453		3. THIS IS AN APPLICATION FOR (Check appropriate item) a. <input type="checkbox"/> NEW LICENSE b. <input checked="" type="checkbox"/> AMENDMENT TO LICENSE NO. 07-20884-01 c. <input type="checkbox"/> RENEWAL OF LICENSE NO.
4. INDIVIDUAL USERS (Name individuals who will use or directly supervise use of radioactive material. Complete Supplements A and B for each individual.) J.R. Peacock, M.D.		5. RADIATION SAFETY OFFICER (RSO) (Name of person designated as radiation safety officer. If other than individual user, complete resume of training and experience as in Supplement A.) J. R. Peacock, M.D.
6. a. RADIOACTIVE MATERIAL FOR MEDICAL USE		
RADIOACTIVE MATERIAL LISTED IN	ITEMS DESIRED "X"	MAXIMUM POSSESSION LIMITS (In millicuries)
10 CFR 31.11 FOR IN VITRO STUDIES		
10 CFR 35.100, SCHEDULE A, GROUP I		AS NEEDED
10 CFR 35.100, SCHEDULE A, GROUP II		AS NEEDED
10 CFR 35.100, SCHEDULE A, GROUP III		
10 CFR 35.100, SCHEDULE A, GROUP IV		AS NEEDED
10 CFR 35.100, SCHEDULE A, GROUP V		AS NEEDED
10 CFR 35.100, SCHEDULE A, GROUP VI		
ADDITIONAL ITEMS	MARK ITEMS DESIRED "X"	MAXIMUM POSSESSION LIMITS (In millicuries)
IODINE 131 AS IODIDE FOR TREATMENT OF HYPERTHYROIDISM		
PHOSPHORUS 32 AS SOLUBLE PHOSPHATE FOR TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA AND BONE METASTASES		
PHOSPHORUS 32 AS COLLOIDAL CHROMIC PHOSPHATE FOR INTRACAVITARY TREATMENT OF MALIGNANT EFFUSIONS		
GOLD 198 AS COLLOID FOR INTRACAVITARY TREATMENT OF MALIGNANT EFFUSIONS		
IODINE 131 AS IODIDE FOR TREATMENT OF THYROID CARCINOMA		
XENON 133 AS GAS OR GAS IN SALINE FOR BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES		
6. b. RADIOACTIVE MATERIAL FOR USES NOT LISTED IN ITEM 6. a. (Sealed source up to 3 mCi used for calibration and reference standards are authorized under Section 35.14(d), 10 CFR Part 35, and NEED NOT BE LISTED.)		
ELEMENT AND MASS NUMBER	CHEMICAL AND/OR PHYSICAL FORM	MAXIMUM NUMBER OF MILLCURIES OF EACH FORM
SEE ATTACHED INFORMATION		
DESCRIBE PURPOSE OF USE		
I		

Log
 Remitter: Lindell Radiology
 Check No. 4138
 Amount: \$120
 Fee Category: 2C
 Type of Fee: Amendment
 Date Check Rec'd.: 7/13/87
 Date Completed: 7/13/87
 By: S. Remick

107467





Atomic Energy
Of Canada Limited

Radiochemical Company

413 March Road,
P.O. Box 13500
Kanata, Ontario,
Canada,
K2K 1X8

L'Énergie Atomique
du Canada, Limitée

Société radiochimique

413 Chemin March,
C.P. 13500
Kanata, Ontario,
Canada,
K2K 1X8

M. Bishop
J. Domnarevich
E. Ellenberger
Ind. Sales Reps
D.M.'s (Sales & Service)
A.M.S. FYI
Tel. (613) 592-2790
Telex. 053-4162

1986 September 04

RECEIVED

SEP 10 1986

SIEMENS-SAN DIEGO

SEP 1986
RECEIVED

Osteon Inc.
410 Kilani Avenue, Suite 202
Wahaiawa, Hawaii 96786-1805

Dear Customer:

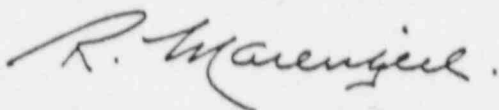
As part of an ongoing commitment to improve service to our customers, RCC has put together the attached Instruction Sheet and Package Insert that will allow you to return depleted Iodine-125 sources to AECL-RCC by any qualified carrier servicing North America. This draft copy that I am sending to you is in the final approval process with our Regulatory Affairs department. Once approved, hopefully within a few weeks, this information package will accompany all future Iodine-125 shipments that you will receive.

Depleted sources, measuring less than 70 mCi of Iodine-125, are classified as an "Excepted Radioactive Material-Limited Quantity" and need not be marked as a radioactive package for shipping purposes. In short, if you package the decayed source as per the enclosed instruction sheet and fill out the package insert for placement inside the carton, you can ship the spent source back to us using any convenient and inexpensive carrier servicing your area.

AECL-RCC greatly appreciates your continuing business. Many of the improvements made to our products and services result from the comments and ideas received from our customers.

Your feedback is essential to our operation and I would welcome the opportunity to answer any questions that you may have regarding the proposed package insert being sent to you.

Yours sincerely,

A handwritten signature in cursive script, reading "R. Marengère".

R. Marengère
Marketing
Isotope Division

encl.

/jk
1125-1

IODINE-125 SOURCE PACKAGE INSERT

Consignor: Company/Institute Name: _____
Street/P.O. Box : _____
City, Province/State : _____
Name of Shipper : _____

"THIS PACKAGE CONFORMS TO THE CONDITIONS AND LIMITATIONS SPECIFIED IN
49CFR 173.421 FOR EXCEPTED RADIOACTIVE MATERIAL-LIMITED QUANTITY,
N.O.S., UN 2910"

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INSTRUCTIONS FOR THE RETURN OF DECAYED IODINE-125 SOURCES

FOR DISPOSAL

1. If activity of source being returned is less than 70 mCi, then:
 - a) Ensure that depleted source is properly shielded prior to packaging.
 - b) The source holder is to be securely packed into a strong, unmarked carton that will:
 - i) Survive normal conditions of transport;
 - ii) Have no surface contamination;
 - iii) Not exceed 0.5 mrem/h (5µSv/h) on the package surface.
 - c) Complete the attached Package Insert, and place inside of the package.
 - d) Do not make reference to radioactivity on the outside of the package.
 - e) Include the following documents on the outside of the package:
 - i) A Customs Declaration stating:

"No commercial value.
Cdn. goods being returned to supplier for disposal."
 - ii) Carriers waybill must state:

"Excepted Radioactive Material-Limited Quantity. UN 2910."
 - f) Consign the package, freight charges prepaid to:

Atomic Energy of Canada Limited
Radiochemical Company
413 March Road, KIPF Building
Kanata, Ontario Canada
K2K 1X8

ATTENTION: KIPF Source Production

03028798
02200
10/90

BETWEEN: C. James Holloway, Chief
License Fee Management Branch
Office of Resource Management

John E. Glenn, Chief
Nuclear Materials Safety & Safeguards Section B
Division of Radiation Safety and Safeguards

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: Lindell Radiology

Application Dated: 6-24-87

Control No.: 107467

License No.: 07-20884-01

2. FEE ATTACHED

Amount: \$ 120.00

Check No.: 4138

3. COMMENTS

Signed SLJ

Date 6-30-87

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: 7c \$120

2. Correct Fee Paid. Application may be processed for:

Amendment ✓

Renewal _____

License _____

Signed S. Kimberley

Date 7/13/87