



Our Lady of Mercy Hospital

U.S. Highway 30 Dyer, Indiana 46311-1799 (219) 865-2141

January 8, 1986

U. S. Regulatory Commission
Medical Licensing
799 Roosevelt Road
Glen Ellyn, Illinois 60127

RE: NRC # 12-12914-01

To whom it may concern:

Please ammend our byproduct material license to reflect the following changes:

1. New facilities diagram attached.
2. New facilities description diagram and revised radiation survey form attached.
3. Radiation Safety Committee - delete Ann Coppage/Nursing Service and add Ann Piper in her place.
4. Add the name of James Dreyfus, M.D. as an authorized physician, user of the Lunar Model DP3 Spine/Femur Scanner, as indicated in our current license application. Dr. Dreyfus has successfully completed an eight (8) hour training course entitled "Medical Users Training for Bone Mineral Analyzer Diagnostic Device". The course was presented by Standard Nuclear Consultants LTD. Please refer to the attached certificate documenting Dr. Dreyfus' participation.
5. Delete Charles Frahm, M.D. as a user of or a supervisor of licensed material at our institution.

Our \$120.00 hospital check, payable to the U.S. Nuclear Regulatory Commission is enclosed.

Sincerely,

J. Donald Manchak/President/CEO

Suk S. Lee, M.D./Chairperson
Radiation Safety Committee

JDM:hgs

Enc.

RECEIVED
86 JAN 30 AM 1:33
U.S. N.R.C.
12. FEE HONOLULU

Applicant	Jaw. 2.7.86
Check No.	020283
Amount/Fee Category	\$120
Type of Fee	7c. amnd
Date Check Rec'd	1/30/86
Received By	[Signature]

RECEIVED
JAN 27 1986
REGION III

JAN 27 1986

CONTROL NO 00570
8604070171 860205
REG3 LIC30
13-12914-01 PDR

**Standard
Nuclear
Consultants, Ltd.**

Nuclear Medicine • Radiology • Industrial Specialists

STAN BUHR
JIM MIKOWSKI
(312) 344-7308

P.O. Box 362, Manhattan, IL 60442 □ 1340 Balmoral Avenue, Westchester, IL 60153

November 6, 1985

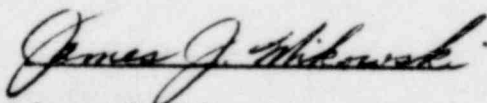
To Whom It May Concern:

This is to certify that James Dreyfus, M.D. has participated in and satisfactorily completed an eight (8) hour course, "Medical Users Training for Bone Mineral Analyzer Diagnostic Devices." The content outline of this course is attached and follows the outline of the November 10, 1983 Nuclear Regulatory Commission Policy and Guidance Directive FC 83-24, "Licensing the Lixiscope and Bone Mineral Analyzer for Human Use." The training was specific for radiation safety aspects of use and handling of Iodine-125 and Gadolinium-153 sealed sources used in Lunar bone mineral analyzer devices.

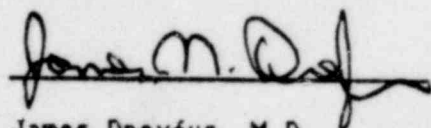
This course was taught at Munster, IN by Jim Mikowski and Stan Buhr of Standard Nuclear Consultants, Ltd., Westchester, Illinois. These individuals' credentials are on file with the Nuclear Regulatory Commission (license no. 12-20362-01). They have also received device-specific training for the Lunar SP-2 (I-125 sources) and the Lunar DP-3 (Gd-153 sources) bone mineral analyzer devices, as documented in their NRC license file.

A 25 question examination was given at the completion of the course and James Dreyfus, M.D. scored 100%. A passing grade is a minimum 75%.

Date of training: November 6, 1985



James J. Mikowski



James Dreyfus, M.D.



OUR LADY OF MERCY HOSPITAL
NUCLEAR MEDICINE DEPARTMENT
RADIATION SURVEY

Date: _____

Area Background: _____ MR/HR

Survey No.: _____

Background Location: _____

Counts per Minute of Background: cpm dpm

Contamination Level = _____

% Efficiency = $\frac{\text{cpm}}{\text{dpm}} \times 100$ or $\frac{\text{cpm}}{\% E} \times 100 = \text{DPM}$

EXAMPLE: cpm = 65
% Efficiency = 59

WHERE:

CPM = Sample Changer Background

% Efficiency - 59 for Autologic

$\frac{65}{59} = 1.10 \times 100 = 110 \text{ dpm (+ 200)}$

Any count > 310 would be contaminated

ITEM OR LOCATION	INST. USED	MR/HR	(Gross CPM \div % E) =	X 100 =	Gross DPM
1. WAITING ROOM					
2. DEPARTMENT ENTRANCE					
3. OSTEOPOROSIS SCANNER					
4. CAMERA ROOM I					
5. RESTROOM					
6. RESTROOM					
7. PATIENT LOCKERS					
8. STRESS LAB					
9. CAMERA 4					
10. CAMERA 2					
11. CAMERA 3					
12. IN-VITRO FUME HOOD					
13. IN-VITRO WORK SURFACE					
14. IN-VITRO FLOOR					
15. FUME HOOD					
16. QUALITY ASSURANCE WORK SURFACE					
17. RECEIPT MODULE					
18. DECAY STORAGE					

CONTROL NO. 80570

RADIATION SURVEY - PAGE 2

DATE _____

ITEM OR LOCATION	INST. USED	MR/HR	(Gross CPM ÷ % E) =	X 100 =	Gross DPM
19. INVENTORY MODULE					
20. "HOT" SINK					
21. GENERATOR STORAGE					
22. RADIOPHARMACY FLOOR					
23. MAIN CORRIDOR					
24. MAIN CORRIDOR					
25. MAIN CORRIDOR					
26. THYROID UPTAKE					

REMARKS:

Max. Radiation Measurement Obtained _____

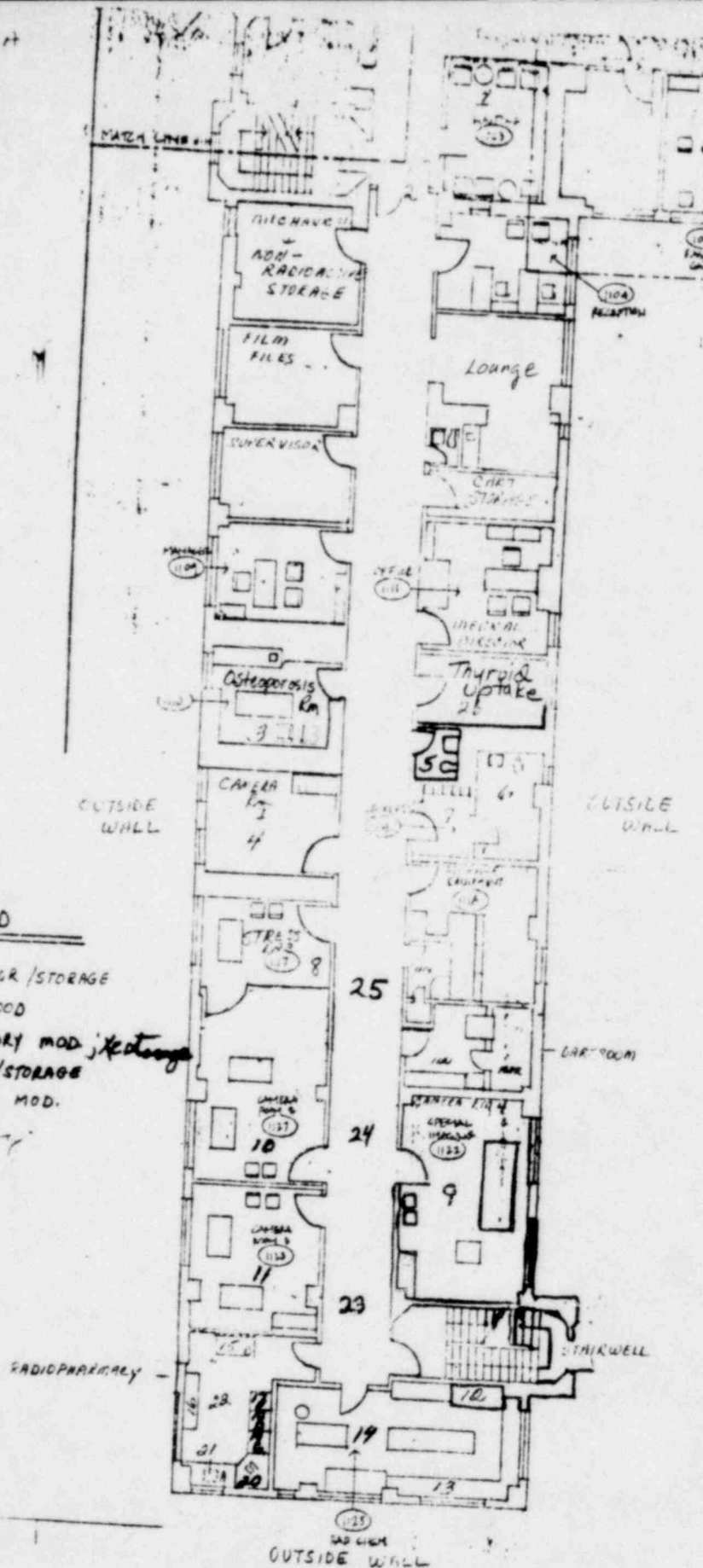
LICENSE # _____

TECHNOLOGISTS SIGNATURE: _____

CONSULTANT SIGNATURE: _____

LEGEND

- H. GENERATOR / STORAGE
- B. FUME HOOD
- C. INVENTORY MOD. *extending*
- D. DECAY / STORAGE
- E. RECEIPT MOD.
- F. *refig.*



CONTROL NO. 80570

DEPT. OF NUCLEAR MEDICINE
OUR LADY OF MERCY HOSPITAL
DYER, INDIANA