

MATERIALS LICENSE

ursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below, to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s); and to export such byproduct and source material. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee

Dexter-Edison Medical Clinic,  
Corporation

9410 Dexter  
Detroit, Michigan 48206

3. License number 21-20386-01

4. Expiration date June 30, 1988

5. Docket or  
Reference No.

6. Byproduct, source, and/or  
special nuclear material

7. Chemical and/or physical  
form

8. Maximum amount that licensee  
may possess at any one time  
under this license

Any byproduct material  
listed in Groups I and  
II of Schedule A,  
Section 35.100 of 10  
CFR 35

Any radiopharmaceutical  
listed in Groups I and  
II of Schedule A,  
Section 35.100 of 10  
CFR 35

As necessary for uses  
authorized in Subitem  
9.A.

Authorized Use:

Any diagnostic procedure listed in Groups I and II of Schedule A, Section 35.100 of Title 10, Code of Federal Regulations.

CONDITIONS

0. Licensed material shall be used only at the licensee's facilities located at 9410 Dexter, Detroit, Michigan.
1. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."

*Dexter Clinic*

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REQ3 LIC30  
21-20440-01 PDR

ATTACHMENT 11  
Item # 4  
5-9-85

03018329

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

21-20386-01

Docket or Reference number

Continued from Page 1

2. Licensed material shall be used by Quan H. Ha, M.D.
3. Licensed material shall be used in accordance with the provisions of Section 35.14(b)(c)(e) and (f) of Title 10, Code of Federal Regulations.
4. The licensee is authorized to hold radioactive material with a physical half-life of less than 65 days for decay-in-storage before disposal in ordinary trash provided:
  - A. Radioactive waste to be disposed of in this manner shall be held for decay a minimum of ten (10) half-lives.
  - B. Prior to disposal as normal waste, radioactive waste shall be monitored to determine that its radioactivity cannot be distinguished from background with typical low-level laboratory survey instruments. All radiation labels will be removed or obliterated.
  - C. Generator columns shall be segregated so that they may be monitored separately to ensure decay to background levels prior to disposal.
15. Radioactive waste that will not be held for decay-in-storage for a period of at least 10 half-lives shall be monitored with appropriate detection instrumentation to insure background levels before disposal in regular trash. The instrument must have sufficient sensitivity to detect the radionuclides being monitored.
16. The licensee shall perform an operational check on survey meters prior to each day's use to insure that the instrument is functioning properly.
17. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated May 1, 1983; and letter dated June 2, 1983 (with attachments). The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

For the U. S. Nuclear Regulatory Commission

JUN 13 1983

Date \_\_\_\_\_

By

*William J. Olson*  
Materials Licensing Section  
Region III

ATTACHMENT II

ITR # 4

5-9-85

CONTROL NO.

## APPENDIX F

### PROCEDURES FOR SAFELY OPENING PACKAGES CONTAINING RADIOACTIVE MATERIAL

1. Special requirements will be followed for packages containing quantities of radioactive material in excess of the Type A quantity limits as specified in paragraphs 20.205(a)(1) and (c)(1) of 10 CFR Part 20 (more than 20 Ci for Mo-99 and Tc-99m). They will be monitored for surface contamination and external radiation levels within 3 hours after receipt if received during working hours or within 18 hours if received after working hours, in accordance with the requirements of paragraphs 20.205(a) through (c). All shipments of liquids greater than exempt quantities will be tested for leakage. The NRC Regional Office will be notified in accordance with the regulations if removable contamination exceeds  $0.01 \mu\text{Ci}/100 \text{ cm}^2$  or if external radiation levels exceed 200 mR/hr at the package surface or 10 mR/hr at 3 feet (or 1 m).
  2. For all packages, the following additional procedures for opening packages will be carried out:
    - a. Put on gloves to prevent hand contamination.
    - b. Visually inspect package for any sign of damage (e.g., wetness, crushed). If damage is noted, stop procedure and notify Radiation Safety Officer.
    - c. Measure exposure rate at 3 feet (or 1 m) from package surface and record. If  $>10 \text{ mR/hr}$ , stop procedure and notify Radiation Safety Officer.
    - d. Measure surface exposure rate and record. If  $>200 \text{ mR/hr}$ , stop procedure and notify Radiation Safety Officer.
    - e. Open the package with the following precautionary steps:
      - (1) Open the outer package (following manufacturer's directions, if supplied) and remove packing slip.
      - (2) Open inner package and verify that contents agree with those on packing slip. Compare requisition,\* packing slip, and label on bottle.
      - (3) Check integrity of final source container (i.e., inspect for breakage of seals or vials, loss of liquid, and discoloration of packaging material).
      - (4) Check also that shipment does not exceed possession limits.
- f. WIPE EXTERNAL SURFACE OF FINAL SOURCE CONTAINER SHIELD AND REMOVE WIPE TO LOW BACKGROUND AREA. CHECK WIPES WITH A THIN-END-WINDOW G-M SURVEY METER, AND TAKE PRECAUTIONS AGAINST THE SPREAD OF CONTAMINATION AS NECESSARY.
    - g. Monitor the packing material and packages for contamination before discarding.
      - (1) If contaminated, treat as radioactive waste.
      - (2) If not contaminated, obliterate radiation labels before discarding in regular trash.
  - i. Maintain records of the results of checking each package, using "Radioactive Shipment Receipt Record" (see next page) or a form containing the same information.
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- \* In the case of special orders (e.g., therapy doses), also compare with physician's written request.

ITEM # 14

5-9-85

## APPENDIX I

### AREA SURVEY PROCEDURES

1. All elution, preparation, and injection areas will be surveyed daily with an appropriately low-range survey meter and decontaminated if necessary.\*
2. Laboratory areas where only small quantities of radioactive material are used (less than 300  $\mu\text{Ci}$ ) will be surveyed monthly.
3. Waste storage areas and all other laboratory areas will be surveyed weekly.
4. The weekly and monthly surveys will consist of
  - a. A measurement of radiation levels with a survey meter sufficiently sensitive to detect 0.1 mR/hr.
  - b. A SERIES OF WIPE TESTS TO MEASURE CONTAMINATION LEVELS. THE METHOD OF PERFORMING WIPE TESTS WILL BE SUFFICIENTLY SENSITIVE TO DETECT ANY CONTAMINATION INVOLVED. WIPES WILL BE PLACED UNDER THE CAMERA WITH NO COLLIMATOR ATTACHED AND THEN COUNTED FOR THREE MINUTES ON THE APPROPRIATE ISOPEE SETTING. A BACKGROUND READING WILL BE OBTAINED AT THE SAME SETTING FOR THE SAME TIME INTERVAL. AFTER SUBTRACTING THE BACKGROUND CPM, THE RESULTS WILL BE RECORDED IN CPM AND KEPT AS A PERMANENT RECORD. WIPES OF ELUTION AND PREP AREAS, AS WELL AS OTHER "HIGH BACKGROUND" AREAS WILL BE REMOVED TO A LOW BACKGROUND AREA FOR MEASUREMENT.
5. A permanent record will be kept of all survey results including negative results. The record will include
  - a. Location, date, and identification of equipment used, including the serial number and pertinent counting efficiencies.
  - b. Name of person conducting the survey.
  - c. Drawing of area surveyed, identifying relevant features such as active storage areas, active waste areas, etc.
  - d. Measured exposure rates, keyed to location on the drawing (point out rates that require corrective action).
  - e. Detected contamination levels, keyed to locations on drawing.
  - f. Corrective action taken in the case of contamination or excessive exposure rates, reduced contamination levels or exposure rates after corrective action, and any appropriate comments.

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AREA WILL BE CLEANED IF CONTAMINATION EXCEEDS BACKGROUND CPM LEVELS.

ITEM # 17  
5-9-65

This is to Certify that

Luan Huu Ha, M.D.

has satisfactorily completed hospital service in the capacity of

Resident In Diagnostic Radiology

from July 1, 1978 to June 30, 1982

and has honorably and proficiently carried out the duties of the position

In witness whereof we have subscribed our names

this twenty-third day of June nineteen hundred eighty-two



Maurice Datzman, M.D.  
Department Chairman

John L. Hopkins, M.D.  
Chief of Staff

John L. Hopkins  
Executive Vice President

MAILGRAM SERVICE CENTER  
MIDDLETOWN, VA. 22645  
12AM

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4-040755S102002 04/12/85 ICS IPMBNGZ CSP DETB  
1 3132923060 MGM TDRN TAYLOR MI 04-12 0448P EST

SOUTH ALLEN RADIOLOGY IN  
22031 ECORSE RD  
TAYLOR MI 48180

THIS IS A CONFIRMATION COPY OF THE FOLLOWING MESSAGE:

3132923060 TDRN TAYLOR MI 44 04-12 0448P EST  
FON 3127905625  
UNITED STATES NUCLEAR REGULATORY COMMISSION, ATTN DR BRUCE MALLET,  
FON ASAP RPT DLY MGM COPY MESSAGE, FON ASAP ASAP  
799 ROOSEVELT RD  
GLEN ELLYN IL 60137  
MATERIALS LICENSING SECTION

REQUEST AMENDMENT TO LICENSING #21-20440-01 LICENSEE: ASSOCIATED  
DECISIONS PC 24555 HAIG AVENUE TAYLOR MICHIGAN 48180 FOR USE OF  
IODINE 131 FOR TREATMENT OF HYPER-THYROIDISM AND CARDIAC DISFUNCTION  
AT ASSOCIATED DECISIONS UP TO 15 MILLICURIES IN CAPSULE FORM  
APPROPRIATE FEE WILL FOLLOW.

DR MICHAEL LALA  
22031 ECORSE RD  
TAYLOR MI 48180

IN THE EVENT OF ANY SERVICE INQUIRIES, PLEASE DIRECT CORRESPONDENCE TO:

NATIONAL CONSUMER SERVICE CENTER  
C/O WESTERN UNION TELEGRAPH COMPANY  
308 WEST ROUTE 38  
MOORESTOWN, NJ 08057

16148 EST

MGMCOMP



**SOUTH-ALLEN RADIOLOGY**  
 22031 ECORSE ROAD  
 TAYLOR, MICHIGAN 48180

EXPLANATION	AMOUNT

74 207  
724

1262

PAY  
AMOUNT  
OF

*One Hundred Twenty and 00/100*

DOLLARS

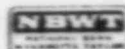
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DATE	TO THE ORDER OF	DESCRIPTION	CHECK NUMBER
4/15/85	U.S. Nuclear Regulatory Commission	Amendment to Direct License	1262

\$ 120.00

*License # 21-2440-01 (Associated Physicians)*

SOUTH-ALLEN RADIOLOGY



TAYLOR MICHIGAN 48180

*[Signature]*

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CONTROL NO.