MATERIALS LICENSE

Amendment No. 80

Pursuant 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, 36, 39, 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). 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.

302143

Licensee	
1. Oakwood Hospital and Medical Center	In accordance with letter dated December 18, 1996
2. 18101 Oakwood Boulevard Dearborn, MI 48123-2500	3. License Number 21-04515-01 is amended in its entirety to read as follows:
	4. Expiration Date August 31, 2001
	5. Docket or Reference No. 030-02051

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
A. Any byproduct material identified in 10 CFR 35.100	A. Any radiopharmaceutical identified in 10 CFR 35.100	A. As needed
B. Any byproduct material identified in 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200	B. As needed
C. Any byproduct material identified in 10 CFR 35.300	C. Any radiopharmaceutical identified in 10 CFR 35.300	C. As needed (not to exceed 1 curie of Iodine-131)
D. Any byproduct material identified in 10 CFR 35.400	D. Any brachytherapy source identified in 10 CFR 35.400	D. As needed
E. Any byproduct material identified in 10 CFR 31.11	E. Prepackaged Kits	E. As needed
F. Iridium-192	F. Sealed sources (BYK Mallinckrodt Model CI LBV)	F. Two sources not to exceed 12 curies each
G. Cesium-137 090086	G. Sealed sources (ORIS/CBI Model CSL-15)	G. Three sources not to exceed 1700 curies each

MATERIALS LICENSE
SUPPLEMENTARY SHEET

9. Authorized Use:

A. Medical use described in 10 CFR 35.100.

B. Medical use described in 10 CFR 35.200.

C. Medical use described in 10 CFR 35.300.

D. Medical use described in 10 CFR 35.400.

E. In vitro studies.

F. One source to be used in a Nucletron Corporation MicroSelectron-HDR remote afterloading brachytherapy unit for interstitial, intracavitary, and bronchial radiotherapy. One source in its shipping container to be in possession of the licensee as necessary for replacement of the source in the irradiation device.

G. Three sources to be used in an International CIS self shielded blood irradiator, Model IBL-437C for the irradiation of biologic matter excluding materials that are flammable and/or explosive.

CONDITIONS

10. Location of Use: 18101 Oakwood Boulevard, Dearborn, Michigan.

11. A. Radiation Safety Officer: David S. Yates, M.D.

B. The high dose rate afterloading brachytherapy physicist is Taljit S. Sandhu, Ph.D., Barbara G. Orton, M.S., and Lisa A. Langenstein, M.S.

12. A. Licensed material listed in Item 6. above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:

Authorized Users	Material and Use
A. Alan R. Hennessey, M.D.	10 CFR 35.100, 35.200, 35.300, and 35.400.
B. Arthur J. Bady, M.D.	10 CFR 35.100, 35.200, 35.300, and 35.400.
C. John B. Junker, M.D.	10 CFR 35.100, 35.200, and 31.11.

License Number 21-04515-01

Docket or Reference Number 030-02051

Amendment No. 80

MATERIALS LICENSE
SUPPLEMENTARY SHEET

Authorized Users	Material and Use
D. Choon K. Lee, M.D.	10 CFR 35.400, and iridium-192 in remote afterloading brachytherapy unit.
E. James I. Breckenfeld, M.D.	10 CFR 35.100, 35.200, 35.300, (excluding iodine-131 for thyroid carcinoma), and 31.11.
F. Jung H. Chang, M.D.	10 CFR 35.400, and iridium-192 in remote afterloading brachytherapy unit.
G. Reza Abghari, M.D.	10 CFR 35.100, 35.200, 35.300, and 31.11.
H. David S. Yates, M.D.	10 CFR 35.100, 35.200, 35.300 (excluding iodine-131 for treatment of hyperthyroidism and cardiac dysfunction), and 31.11.
I. Kyriakos C. Demetropoulos, M.D.	10 CFR 35.100, 35.200, 35.300, and 31.11.
J. Jerry W. Drake, M.D.	10 CFR 35.100, 35.200, and 35.300.
K. Sharon Helmer, M.D.	10 CFR 35.100, 35.200 (excluding generators), and 35.300.
L. Kenneth D. Bartold, M.D.	10 CFR 35.100, 35.200, and 35.300.
M. Arnold Herskovic, M.D.	10 CFR 35.400 and iridium-192 in remote afterloading brachytherapy unit.
N. Dong Hyuck Kim, M.D.	10 CFR 35.100, 35.200, and 31.11.
O John H. Finger, M.D.	10 CFR 35.100, 35.200, and 35.300.
P. Eric J. Groskind, M.D.	10 CFR 35.100, 35.200 and 35.300.
Q. Daniel B. Schumaker, M.D.	10 CFR 35.100, 35.200, 35.300, and 31.11.
R. Sophia Roumanis, M.D.	10 CFR 35.100, 35.200, and 35.300.

Authorized Users	Material and Use
S. T. G. McDonald, M.D.	10 CFR 35.100, 35.200 and 35.300.
T. Paul B. Lattin M.D.,	10 CFR 35.400 and iridium-192 in remote afterloading brachytherapy unit.
U. Donald J. Conn, M.D.,	10 CFR 35.100, 35.200 and 35.300.

B. Licensed material listed in subitem 6.G. shall be used by or under the supervision of Cheryl Starbuck upon completion of training by the vendor at installation in accordance with letters dated April 15, 1996, and May 15, 1996.

13. Notwithstanding the provisions of 10 CFR 35.400(d), the licensee may use iridium-192 seeds encased in nylon ribbon as described in letter dated February 7, 1992, for intracavitary/intraluminal treatment of cancer.

14. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.

15. A. (1) The source(s) specified in Item 7.G. shall be tested for leakage and/or contamination at intervals not to exceed six months. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within six months before the transfer shall not be put into use until tested.

(2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.

16. A. Access to the room housing the MicroSelectron-HDR irradiation device shall be controlled by a door at each entrance.

B. The entrance to the irradiation room shall be equipped with an electrical interlock system that will cause the source to return to the shielded position immediately upon opening of the entrance door. The interlock system shall be connected in such a manner that the source cannot be placed in the irradiation position until the entrance door is closed and the source "on-off" control is reset at the control panel.

C. Electrical interlocks on the entrance door to the irradiator room shall be tested for proper operation at least once a month. Records of test results shall be maintained for inspection by the Commission.

D. In the event of malfunction of the door interlock, the irradiation device shall be locked in the "off" condition and not used, except as may be necessary for repair or replacement of the interlock system, until the interlock system is shown to be functioning properly.

17. Prior to initiation of a treatment program, and subsequent to each source exchange for the MicroSelectron-HDR, radiation surveys and tests shall be performed in accordance with the following:

A. A radiation survey shall be made of:

(1) The irradiator source housing, with the source in the shielded position. The maximum radiation levels at 100 centimeters from the surface of the source head shall not exceed 0.25 milliroentgens per hour.

(2) All areas adjacent to the treatment room with the source in the "irradiation" position. The survey shall clearly establish:

(a) That radiation levels in restricted areas are not likely to cause personnel exposure in excess of the limits specified in Section 20.1201, Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standard for Protection Against Radiation" (10 CFR 20).

(b) That quantities of radiation in unrestricted areas do not exceed the limits specified in Section 20.1301(b) 10 CFR 20.

B. Records of survey results shall be maintained for inspection by the Commission.

18. The following shall be performed only by persons specifically authorized by the Commission or an Agreement State to perform such services:

A. Installation and replacement of sources contained in the MicroSelectron-HDR irradiation device.

B. Any maintenance or repair operations on the irradiator involving work on the source head, the source driving unit, or other mechanism that could expose the source, reduce the shielding around the source, or compromise the safety of the unit and result in increased radiation levels.

19. The licensee may possess 24 curies of iridium-192 (not to exceed 12 curies per source) for use in the Nucletron Corporation MicroSelectron HDR remote afterloading brachytherapy device, provided the individual source activity does not exceed 10 curies at the time of installation, and the source is installed by an authorized individual.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
21-04515-01

Docket or Reference Number
030-02051

Amendment No. 80

20. In lieu of 10 CFR 35.404(a), immediately after retracting the source from the patient into its shielded position in the remote afterloading device, a radiation survey shall be made of the patient and the remote afterloading device with a portable radiation detection survey instrument to confirm that the source has been removed from the patient. Records of the survey shall be maintained in lieu of the record required in 10 CFR 35.404(b).

21. In lieu of the source inventory required in 10 CFR 35.406, the licensee shall:

    A. Promptly determine that all sources have returned to the safe, shielded position at the conclusion of each remote afterloading brachytherapy procedure.

    B. Promptly make a survey of the area of use to confirm that no sources have been misplaced.

    C. Make a record of the survey including the survey instrument used, dose rate expressed in mrem/hr (μSieverts/hr), time, date and name of the individual making the survey.

    D. Retain the record of the survey in lieu of the record required in 10 35.406(d).

22. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

    A. Application dated May 24, 1995 (excluding the Quality Management Program); and

    B. Letters dated July 18, 1995, March 27, 1996 (excluding the Quality Management Program), April 15, 1996, May 15, 1996, June 19, 1996, August 5, 1996, and letter dated December 18, 1996 (with attachments).

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date December 30, 1996

By Patricia J. Pelke
Nuclear Materials Licensing Branch, Region III

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 02230
Status Code: 0
Fee Category: 7C 3E 2B
Exp. Date: 20010831
Fee Comments: 3E ADDED 6/18/96
Decom Fin Assur Reqd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
   Applicant/Licensee: OAKWOOD HOSP. & MED. CNTR-DEARBORN
   Received Date: 961219
   Docket No: 3002051
   Control No.: 302143
   License No.: 21-04515-01
   Action Type: Amendment

2. FEE ATTACHED
   Amount: ~~X~~ 2 checks
   Check No.: ~~X~~ 5 actions

3. COMMENTS

   Signed S. Hersey
   Date ~~12-23-96~~

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /)

1. Fee Category and Amount: (7C) 3E 2B $440

2. Correct Fee Paid. Application may be processed for:
   Amendment ✓
   Renewal
   License

3. OTHER

   Signed SC
   Date ~~12/20/96~~ 12/27/96

Log Dec 4 III
Remitter
Check No. 190441
Amount ($1760) $440
Fee Category 7C
Type of Fee AMD
Date Check Rec'd 12/27/96
Date Completed
By: SC

JAN 0 2 1997

1996 DEC 27 PM 2:05

LAW OFFICES
DYKEMA GOSSETT
PROFESSIONAL LIMITED LIABILITY COMPANY
400 RENAISSANCE CENTER
DETROIT, MICHIGAN 48243-1668
TELEPHONE (313) 568-6800

ANN ARBOR, MICHIGAN
BLOOMFIELD HILLS, MICHIGAN
CHICAGO, ILLINOIS

GRAND RAPIDS, MICHIGAN
LANSING, MICHIGAN
WASHINGTON, D.C.

Telecopier: (313) 568-6915

Steven C. Tyshka

Direct Dial
(313) 568-6585

030-02051

December 18, 1996

21-04515-01

VIA FEDERAL EXPRESS

Ms. Patty Pelke
U.S. Nuclear Regulatory Commission
Materials Licensing Section
801 Warrenville Road
Lisle, Illinois 60532

Re: Oakwood System Reorganization

Dear Ms. Pelke:

As we notified you previously, the Oakwood System is undergoing a corporate reorganization scheduled to be effective on January 1, 1997. However, the plans have changed a bit since our previous correspondence to you. Oakwood Hospital Beyer Center - Ypsilanti will not be changing ownership at this time. It will remain owned by Oakwood United Hospitals, Inc. Accordingly, we are not submitting the information needed for a change of ownership under IN 89-25, Rev. 1 for the Beyer facility. Thus, we are enclosing the information requested for the following facilities:

Oakwood Hospital - Annapolis Center

Oakwood Downriver Medical Center

Oakwood Hospital - Heritage Center

Oakwood Hospital and Medical Center

Oakwood Hospital - Seaway Center

302143

To reiterate the changes, Oakwood Hospital and Medical Center will change its name to Oakwood Healthcare, Inc. d/b/a Oakwood Healthcare System, and will undergo a change in its governing body. It will become the owner of the remaining facilities through several corporate mechanisms. Oakwood Downriver Medical Center will actually merge into Oakwood Healthcare, Inc. d/b/a Oakwood Healthcare System. The remaining facilities, which are currently owned and operated by Oakwood United Hospitals, Inc., will be leased to Oakwood Healthcare, Inc. d/b/a Oakwood Healthcare System. In addition, Oakwood United Hospitals, Inc. will undergo corporate changes to become a wholly-owned subsidiary of Oakwood Healthcare, Inc., and will change its own governing body.

We have also enclosed the licensure fees for the five facilities with the information provided by Shirley Crutchfield.

Obviously, it is imperative that no gap occur in the licensure of these facilities once the transaction becomes effective. We understand that it will not be possible for the facilities to physically have the new licensure documentation on January 1, or perhaps even for several weeks thereafter. We will need, however, assurance from your office that the facilities are considered fully licensed during the time that it takes to prepare and receive the new licenses.

Thank you for your prompt attention to this matter. If you have any questions, or need additional information, please do not hesitate to call me at the number above, or you may contact Joanne Lax, who is also working on this matter. Joanne can be reached at (313) 568-6794.

Sincerely,

DYKEMA GOSSETT PLLC

Steven C. Tyshka

Steven C. Tyshka

SCT126
Enclosures

cc: Pam Bem
Valerie Hendricks

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS
WASHINGTON, D.C. 20555

INFORMATION NEEDED FOR CHANGE OF OWNERSHIP APPLICATION
IN 89-25, Rev. 1

The following information is provided for all 5 of the facilities involved in the Oakwood Hospital Reorganization. The responses to the other questions which require specific information from each facility are enclosed.

1. The new name of the licensed organizations will be:

Oakwood Healthcare, Inc. d/b/a Oakwood Healthcare System; Oakwood Hospital - Annapolis Center
Current License No.: 21-11457-02

Oakwood Healthcare, Inc. d/b/a Oakwood Healthcare System; Oakwood Downriver Medical Center
Current License No.: 21-18752-01

Oakwood Healthcare, Inc. d/b/a Oakwood Healthcare System; Oakwood Hospital - Heritage Center
Current License No.: 21-17789-01

Oakwood Healthcare, Inc. d/b/a Oakwood Healthcare System; Oakwood Hospital and Medical Center
Current License No.: 21-04515-01

Oakwood Healthcare, Inc. d/b/a Oakwood Healthcare System; Oakwood Hospital - Seaway Center
Current License No.: 21-16656-01

4. Oakwood United Hospitals, Inc. will retain its current status with regard to Beyer Memorial Hospital (License No. 21-15147-01).

5. The hospitals comprising the Oakwood system will be re-organized effective January 1, 1997. The hospitals involved are:

Oakwood Hospital and Medical Center -- Dearborn

Oakwood Hospital Downriver Center -- Lincoln Park

Oakwood Hospital Heritage Center -- Taylor

Oakwood Hospital Seaway Center -- Trenton

Oakwood Hospital Annapolis Center -- Wayne/ Oakwood Hospital Merriman Center -- Westland (consolidated state hospital licensure and Medicare certification)

The changes resulting from the re-organization are as follows. Oakwood Hospital and Medical Center will change its name to Oakwood Healthcare, Inc. d/b/a Oakwood Healthcare System, and will undergo a change in its governing body. It will become the owner of the remaining facilities through several corporate mechanisms. Oakwood Hospital Downriver Center -- Lincoln Park will actually merge into Oakwood Healthcare Inc. d/b/a Oakwood Healthcare System. The remaining facilities, which are currently owned and operated by Oakwood United Hospitals, Inc., will be leased to Oakwood Healthcare Inc. d/b/a Oakwood Healthcare System. In addition, Oakwood United Hospitals, Inc. will undergo corporate changes to become a wholly-owned subsidiary of Oakwood Healthcare Inc., and will change its own governing body.

Oakwood Hospital - Annapolis Center

Oakwood Hospital
Annapolis Center

33155 Annapolis Ave.
Wayne, Michigan
48184-2403

313.467.4000

Oakwood
Healthcare System

December 13, 1996

US Nuclear Regulatory Commission
Region III
Materials Licensing
801 Warrenville Road
Lisle, Illinois 60532

Re: Change of Ownership 21-11457-02

Dear Sirs:

We wish to advise you of the change of ownership within our organization concerning our Material's License Number 21-11457-02. The information that follows is presented as requested in NRC Information Notice 89-25 dated 12/7/94.

1. _____

2. The contact person for this licensee is Fred Wallon, CNMT, Manager, Special Imaging Services. (313)467-4143

3. There will be no change in personnel having control over licensed activities.

4. _____

5. _____

6. There will be no planned changes in organization, location, facility, equipment or operating or emergency procedures.

7. There will be no changes in the use, possession, location or storage of licensed materials.

8. There are no changes that would require a license amendment even without a change in ownership.

9. All surveillance items and records will be current at the time of transfer and maintained at the licensee address.

10. We confirm that all records of decommissioning of the facility, public dose, waste disposal, radioactive material spills will be transferred to the new licensee. We have not and will not bury or incinerate radioactive waste.

11. The facility is as indicated with our license application and is free of radioactive contamination.

12. Responsibility and division of transferor's assets for cleanup at the time of transfer are not applicable. We confirm that the possession limits noted in our Materials License 21-11457-02 will be restricted to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.

13. We confirm that the transferee will abide by all commitments and representations previously made to the NRC by the transferor. Contamination of the facility or open inspection items are not applicable.

14. We confirm that the transferor and transferee agree to the change in ownership or control of licensed activities and materials, the conditions of transfer. There are no open inspection items that could result in enforcement action.

15. We confirm to abide by all constraints, conditions, requirements, representations and commitments in the existing license.

If you have any questions regarding this issue, please contact us.

Sincerely,

Mark R. Anthony

Mark R. Anthony, Vice President/Administrator
Oakwood Hospital-Annapolis Center-Wayne

Oakwood Downriver
Medical Center

CHANGE OF OWNERSHIP
PER INFORMATION NOTICE 89-25 REV.1

1. License No. 21-18752-01
   Current Name: Oakwood Hospital Downriver Center

   The new name will be _____

2. The license contact name is Tom Kochis313/3826003 and Dr Moon,M.D.,RSO 313/3826777

3. There are no changes in personnel having control over licensed activities.

6. There are no changes planned.

7. There are no changes planned.

8. There are no changes planned.

9. All required records regarding the use and possession of licensed materials will be current at the time of the transfer. The status of compliance will be maintained before, during and after the merger. All of these records are maintained on site. NO records regarding licensed material will be removed from the licensed site.

   All required documents and records are currently kept in accordance with the NRC license conditions. These include but are not limited to the annual calibration of survey instruments, semi-annual leaktesting of non-exempt sealed radioactive sources, radiation monitoring, and personnel exposure monitoring reports. Radiation monitoring is performed as required by the NRC licensees on a daily basis for acceptable radiation levels and weekly for removable contamination.

10. We confirm that all records concerning the safe and effective decommissioning of the facility, public dose, waste disposal by release to severs, and radioactive material spills will remain at the licensed site and will be maintained after the transfer. Oakwood Hospital Downriver Center does not bury or incinerate radioactive materials.

    Please note: due to the small quantities and short half-lives of the unsealed radioactive materials which we use we are exempt from showing financial assurance for decommissioning. We do not use any unsealed radioactive material with a half-life greater than 60 days.

11. The areas of storage, preparation, handling and administration of radioactive materials are surveyed daily for acceptable radiation levels and weekly for removable contamination. If contamination of these areas is detected during these daily or weekly surveys, decontamination is undertaken and completed at that time. The unsealed radionuclides in use at these locations are all short-lived (i.e. half-lives less than 65 days.

most less than 10 days.) Therefore, radioactive contamination is highly unlikely at this facility. If contamination were present, it would be discovered prior to the transfer. Records will be maintained on site of inventories of sealed sources and spills of radioactive materials.

12. As stated above, long-term decommissioning plans are not applicable to this facility. This facility is not subject to the financial assurance for decommissioning requirements.

13. Oakwood Hospital Downriver Center agrees to abide by all commitments and representations previously made to the NRC by Oakwood Hospital Downriver Center

Oakwood Hospital Downriver Center accepts full responsibility for the site. This facility is exempt from providing financial assurance for decommissioning because of the type of radioactive materials used (i.e. short-lived, unsealed sources in small quantities only). Routine radiation monitoring of the facility ensures that contamination will not be transferred during any subsequent change of ownership.

There are no open inspection items.

14. Since there is no planned change in either the individuals responsible for the licensed activities or the overall Hospital Administration, it is understood that all parties involved are aware and agree to the planned transfer of the license.

15. Oakwood Hospital Downriver Center agrees to abide by all constraints, conditions, requirements, representations, and commitments identified in the existing license.

COMMITMENT OF NRC LICENSE CONDITIONS FOR LICENSE NO.

We hereby commit, as the management of the future Oakwood Downriver Medical Center to abide by all of the constraints, conditions, requirements, representations, and commitments identified in the existing Nuclear Regulatory Commission license no. 21-18752-01 which is currently known as Oakwood Hospital Downriver Center.

Signed:

Mary Kochis Administrator
CEO

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

May 6, 1996

OAKWOOD HOSPITAL DOWNRIVER CENTER -
ATTN: DR. KYUNG-WOONG MOON, M.D.
Radiation Safety Officer
LINCOLN PARK
25750 W. OUTER DRIVE
LINCOLN PARK, MI 48146

SUBJECT: ONE-TIME EXTENSION OF LICENSE EXPIRATION DATE
LICENSE NUMBER 21-18752-01, DOCKET NUMBER 3014129

Dear DR. KYUNG-WOONG MOON, M.D.

On January 16, 1996, the Nuclear Regulatory Commission (NRC) amended its regulations in 10 CFR 30, 40, and 70 to extend the expiration date of certain byproduct, source, and special nuclear material licenses by five years (61 FR 1109). The above referenced license was extended by this rulemaking and will now expire on December 31, 2000. Your license will not be amended to show this extended date until the next routine licensing action. Until then, you may provide copies of this letter to vendors and other interested parties as evidence that the license has been extended as a result of the rule.

The extended license authorizes the same activities and contains the same limitations as it previously did. There will be no change in the frequency that the NRC inspects activities authorized by this license.

The amended rules state that in the case of licensees who are granted extensions and who have a currently pending renewal application for that extended license, the application will be considered withdrawn by the licensee and any renewal fees paid by the licensee for that application will be refunded. This will apply to licenses with expiration dates after July 1, 1995, for which renewal applications and the appropriate fees have been submitted and the renewal is still pending. Refunds will be mailed to licensees under separate cover.

All licensees, including those whose renewal applications were withdrawn by this rulemaking, who wish to change their radiation safety programs must request amendment of their licenses to reflect these changes. Amendment requests must include the correct amendment fee since the NRC cannot apply pending renewal refund balances toward amendment fees.

If you have any questions regarding this letter, please contact the individual below.

John R. Madera, Division of Nuclear Materials Safety - (708) 829-9834

Thank you for your cooperation in this matter.

Sincerely,

Donald A. Cool, Director
Division of Industrial and Medical Nuclear Safety
Office of Nuclear Materials Safety and Safeguards

(10-89) U.S. NUCLEAR REGULATORY COMMISSION PAGE 1 OF 2 PAGES

MATERIALS LICENSE

Amendment No. 04

Pursuant 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, 39, 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). 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	
1. Oakwood Downriver Medical Center 2. 25750 W. Outer Drive Lincoln Park, MI 48146	In accordance with application dated August 1, 1990 3. License number 21-18752-01 is renewed in its entirety to read as follows:
	4. Expiration date: December 31, 1995
	5. Docket or Reference No: 030-14129

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
A. Any byproduct material identified in 10 CFR 35.100	A. Any radiopharmaceutical identified in 10 CFR 35.100	A. As needed
B. Any byproduct material identified in 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200 (excluding Xenon-133)	B. As needed

9. Authorized Use:

A. Medical use described in 10 CFR 35.100.

B. Medical use described in 10 CFR 35.200 (excluding Xenon-133).

CONDITIONS

10. Location of Use: 25750 West Outer Drive, Lincoln Park, Michigan.

11. Radiation Safety Officer: Kyung-Woong Moon, M.D.

12. Authorized Users:

A. Kyung-Woong Moon, M.D., for material in 10 CFR 35.100 and 35.200 (excluding Xenon-133).

13. The licensee shall maintain records of information important to safe and effective decommissioning at the address in Condition 10. per the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number 21-18752-01
Docket or Reference number 030-14129
Amendment No. 04

14. Leak tests shall be performed by persons specifically authorized by the Commission or an Agreement State to perform such services.

15. This license is based on the licensee's statements and representations listed below:

A. Application dated August 1, 1990; and

B. Letter dated October 2, 1990.

For the U.S. Nuclear Regulatory Commission

Date: October 15, 1996

By Robert D. Gattis Jr.
Materials Licensing Section, Region III

Oakwood Hospital
Heritage Center

10000 Telegraph Rd.
Taylor, Michigan
48180-3349
313.296.5000

Oakwood
Healthcare System

December 13, 1996

U.S. Nuclear Regulatory Commission
Region III
Materials Licensing
801 Warrenville Road
Lisle, Illinois 60532

Re: Change of Ownership 21-17789-01

Dear Sirs:

We wish to advise you of the change of ownership within our organization concerning our Material's License Number 21-17789-01. The information that follows is presented as requested in NRC Information Notice 89-25 dated 12/7/94.

2. The contact person for this licensee is Sherrill B. Tedford, Administrative Director, Radiology. (313) 295-5140.

3. There will be no change in personnel having control over licensed activities.

6. There will be no planned changes in organization, location, facility, equipment or operating or emergency procedures.

7. There will be no changes in the use, possession, location or storage of licensed materials.

8. There are no changes that would require a license amendment even without a change of ownership.

9. All surveillance items and records will be current at the time of transfer and maintained at the licensee address.

10. We confirm that all records of decommissioning of the facility, public dose, waste disposal, radioactive material spills will be transferred to the new licensee. We have not and will not bury or incinerate radioactive waste.

11. The facility is as indicated with our license application and is free of radioactive contamination.

12. Responsibility and division of transferor's assets for cleanup at the time of transfer are not applicable. We confirm that the possession limits noted in our Materials License 21-17789-01 will be restricted to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.

Continued:

December 13, 1996

U.S. Nuclear Regulatory Commission

Re: Change of Ownership 21-17789-01

13. We confirm that the transferee will abide by all committments and representations previously made to the NRC by the transferor. Contamination of the facility or open inspection items are not applicable.

14. We confirm that the transferor and transferee agree to the change in ownership or control of licensed activities and materials, the conditions of transfer. There are no open inspection items that could result in enforcement action.

15. We confirm to abide by all constraints, conditions, requirements, representations and committments in the existing license.

If you have any questions regarding this issue, please contact us.

Sincerely,

/Tom Johnson

Thomas Johnson
Vice President, Administrator

NRC FORM 374
(10-88)

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 14

MATERIALS LICENSE

Pursuant 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, 39, 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). 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	
1. Oakwood United Hospitals, Inc. d/b/a Heritage Hospital Department of Radiology 2. 10000 Telegraph Rd. Taylor, MI 48180	In accordance with letter dated September 26, 1994 3. License number 21-17789-01 is amended in its entirety to read as follows: 4. Expiration date May 31, 1999 5. Docket or Reference No. 030-13321

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
A. Any byproduct material identified in 10 CFR 35.100	A. Any radiopharmaceutical identified in 10 CFR 35.100	A. As needed
B. Any byproduct material identified in 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200	B. As needed
C. Any byproduct material identified in 10 CFR 31.11	C. Prepackaged Kits	C. As needed

9. Authorized Use:

A. Medical use described in 10 CFR 35.100.

B. Medical use described in 10 CFR 35.200.

C. In vitro studies.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 10000 Telegraph Rd., Taylor, Michigan.

11. Radiation Safety Officer: Jerry W. Drake, M.D.

NRC Form 374A (5-84) U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number: 21-17789-01

Docket or Reference number: 030-13321

Amendment No. 14

12. Licensed material listed in Item 6 above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:

Authorized Users	Material and Use
A. Arthur J. Bady, M.D.	For material in 10 CFR 35.100, 35.200, and 10 CFR 31.11.
B. Thomas G. McDonald, M.D.	For material in 10 CFR 35.100, 35.200, and 10 CFR 31.11.
C. Alan T. Hennessey, M.D.	For material in 10 CFR 35.100, 35.200, and 10 CFR 31.11.
D. Robert A. Songe, M.D.	For material in 10 CFR 35.100, 35.200, and 10 CFR 31.11.
E. James I. Breckenfield, M.D.	For material in 10 CFR 35.100, 35.200, and 10 CFR 31.11.
F. Sharon Helmer, M.D.	For material in 10 CFR 35.100, 35.200, and 31.11.
G. Jerry Drake, M.D.	For material in 10 CFR 35.100, 35.200, and 31.11.
H. Kenneth Bartold, M.D.	For material in 10 CFR 35.100, 35.200, and 31.11.
I. David S. Yates, M.D.	For material in 10 CFR 35.100, 35.200, and 31.11.
J. Doug Hyuck Kim, M.D.	For material in 10 CFR 35.100, 35.200, and 31.11.
K. James J. Kochkodan, M.D.	For material in 10 CFR 35.100, 35.200, and 31.11.

NRC Form 374A (5-94)

U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number: 21-17789-01

Docket or Reference number: 030-13321

Amendment No. 14

13. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. Application dated April 5, 1994; and

B. Letters dated May 12, 1994 and September 26, 1994.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date 11/17/94

By _____
Materials Licensing Section, Region III

STATE OF MICHIGAN

JOHN ENGLER, Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

HOLLISTER BUILDING, PO BOX 30473, LANSING MI 48909-7973

RUSSELL J. HARDING, Director

REPLY TO:

DRINKING WATER & RADIOLOGICAL PROTECTION DIVISION
3423 N MARTIN L KING JR BLVD
PO BOX 30630
LANSING MI 48909-8130

May 28, 1996

TO: Correction:
~~Cheryl Pickford, Administrator~~
~~Heritage Hospital~~
10000 Telegraph Road
Taylor, Michigan 48180

Sherrill Tedford, Administrative Director, Radiology
Oakwood Hospital- Heritage Center

Pursuant to a recent communication with your office, we are enclosing the following document(s):

X Form RH-20 (Radioactive Material Registration). Please complete and return. ***Receipted copy will be returned to you.***

___ Form RH-837 (Companies Providing Accredited Personnel Monitoring Services).

___ Form RH-852 (Plan Review Sheet).

___ Form RH-864 (Radioactive Materials Temporary Job Site Notification).

___ Form RH-876 (Radiation Safety for Lead Paint Analyzers).

___ Form RH-1000 (*Ionizing Radiation Rules).*

___ Companies Having Registered Lead-in-Paint Analyzers.

___ Companies Providing Radiation Survey Meters For Field Use.

___ Cleanup and Disposal Guidelines for Sites Contaminated with Radium-226.

___ RHN-94-1 (Potential Radium Contamination From Aircraft Instruments, Instrument Faces (Dials), and Instrument Pointers).

___ RHN-95-1 (Potential for Thallium-201 Contamination of Treadmills and Rooms Used for Thallium Cardiac Stress Tests).

If you have any questions, please call 517-335-8204.

By authority: Part 135, Act 368 P.A. 1978, as amended.

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

May 6, 1996

OAKWOOD UNITED HOSPITALS, INC.
ATTN: DR. JERRY W. DRAKE, M.D.
Radiation Safety Officer
D/B/A HERITAGE HOSPITAL / DEPT OF RADIOLOGY
10000 TELEGRAPH RD.
TAYLOR, MI 48180

SUBJECT: ONE-TIME EXTENSION OF LICENSE EXPIRATION DATE
LICENSE NUMBER 21-17789-01, DOCKET NUMBER 3013321

Dear DR. JERRY W. DRAKE, M.D.

On January 16, 1996, the Nuclear Regulatory Commission (NRC) amended its regulations in 10 CFR 30, 40, and 70 to extend the expiration date of certain byproduct, source, and special nuclear material licenses by five years (61 FR 1109). The above referenced license was extended by this rulemaking and will now expire on May 31, 2004. Your license will not be amended to show this extended date until the next routine licensing action. Until then, you may provide copies of this letter to vendors and other interested parties as evidence that the license has been extended as a result of the rule.

The extended license authorizes the same activities and contains the same limitations as it previously did. There will be no change in the frequency that the NRC inspects activities authorized by this license.

The amended rules state that in the case of licensees who are granted extensions and who have a currently pending renewal application for that extended license, the application will be considered withdrawn by the licensee and any renewal fees paid by the licensee for that application will be refunded. This will apply to licenses with expiration dates after July 1, 1995, for which renewal applications and the appropriate fees have been submitted and the renewal is still pending. Refunds will be mailed to licensees under separate cover.

All licensees, including those whose renewal applications were withdrawn by this rulemaking, who wish to change their radiation safety programs must request amendment of their licenses to reflect these changes. Amendment requests must include the correct amendment fee since the NRC cannot apply pending renewal refund balances toward amendment fees.

If you have any questions regarding this letter, please contact the individual below.

John R. Madera, Division of Nuclear Materials Safety - (708) 829-9834

Thank you for your cooperation in this matter.

Sincerely,

Donald A. Cool, Director
Division of Industrial and Medical Nuclear Safety
Office of Nuclear Materials Safety and Safeguards

Oakwood Hospital and
Medical Center

CHANGE OF OWNERSHIP
PER INFORMATION NOTICE 89-25 REV.1

License No. 21-04515-01
Current Name: OAKWOOD HOSPITAL AND MEDICAL CENTER- DEARBORN

2. The license contact name is SAME.

3. There are no changes in personnel having control over licensed activities.

6. There are no changes planned.

7. There are no changes planned.

8. There are no changes planned.

9. All required records regarding the use and possession of licensed materials will be current at the time of the transfer. The status of compliance will be maintained before, during and after the merger. All of these records are maintained on site. NO records regarding licensed material will be removed from the licensed site.

   All required documents and records are currently kept in accordance with the NRC license conditions. These include but are not limited to the annual calibration of survey instruments, semi-annual leaktesting of non-exempt sealed radioactive sources, radiation monitoring, and personnel exposure monitoring reports. Radiation monitoring is performed as required by the NRC licensees on a daily basis for acceptable radiation levels and weekly for removable contamination.

10. We confirm that all records concerning the safe and effective decommissioning of the facility, public dose, waste disposal by release to severs, and radioactive material spills will remain at the licensed site and will be maintained after the transfer. OAKWOOD HOSPITAL AND MEDICAL CENTER-DEARBORN does not bury or incinerate radioactive materials.

    Please note: due to the small quantities and short half-lives of the unsealed radioactive materials which we use we are exempt from showing financial assurance for decommissioning. We do not use any unsealed radioactive material with a half-life greater than 60 days.

11. The areas of storage, preparation, handling and administration of radioactive materials are surveyed daily for acceptable radiation levels and weekly for removable contamination. If contamination of these areas is detected during these daily or weekly surveys, decontamination is undertaken and completed at that time. The unsealed radionuclides in use at these locations are all short-lived (i.e. half-lives less than 65 days, most less than 10 days.) Therefore, radioactive contamination is highly unlikely at this facility. If contamination were present, it would be discovered prior to the transfer. Records will be maintained on site of inventories of sealed sources and spills of radioactive materials.

12. As stated above, long-term decommissioning plans are not applicable to this facility. This facility is not subject to the financial assurance for decommissioning requirements.

13. OAKWOOD HOSPITAL AND MEDICAL CENTER- DEARBORN agrees to abide by all commitments and representations previously made to the NRC by OAKWOOD HOSPITAL AND MEDICAL CENTER- DEARBORN.

    OAKWOOD HOSPITAL AND MEDICAL CENTER- DEARBORN accepts responsibility for the site. This facility is exempt from providing financial assurance for decommissioning because of the type of radioactive materials used (i.e. short-lived, unsealed sources in small quantities only). Routine radiation monitoring of the facility ensures that contamination will not be transferred during any subsequent change of ownership.

    There are no open inspection items.

14. Since there is no planned change in either the individuals responsible for the licensed activities or the overall Hospital Administration, it is understood that all parties involved are aware and agree to the planned transfer of the license.

15. OAKWOOD HOSPITAL AND MEDICAL CENTER- DEARBORN agrees to abide by all constraints, conditions, requirements, representations, and commitments identified in the existing license.

UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
801 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4351

OCT 18 1996

Loretta L. Lee
Senior Vice President,
Acute Care
Oakwood Hospital and Medical
Center - Dearborn
18101 Oakwood Boulevard
Dearborn, MI 48123-2500

Dear Ms. Lee:

It has come to our attention through your consultant, Tracy King, that Amendment Number 79 to License Number 21-04515-01 issued on August 22, 1996 contain errors.

Enclosed is a corrected copy reflecting the areas noted to be in error. Specifically, the following 4 changes were made to your NRC license: (1) the amendment No. was changed from 78 to 79; (2) Subitems 6.G., 7.G., 8.G. and 9.G. were added to your NRC license authorizing the use of your International CIS self shielded blood irradiator; (3) License Condition No. 12.B. was added to your NRC license authorizing the use of the blood irradiator by or under the supervision of Cheryl Starbuck and (4) letters dated April 15, 1996, and May 15, 1996 were added to License Condition 22.B. These letters were provided to the NRC in support of your request for the blood irradiator. We apologize for any inconvenience this may have caused you.

Sincerely,

James R. Mullauer, M.H.S.
Health Physicist
Nuclear Materials Licensing Branch

License No.: 21-04515-01
Docket No.: 030-02051

Enclosure: Corrected Copy of
Amendment No. 79

NRC FORM 374
(7-94)

U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

Amendment No. 79
CORRECTED COPY

Pursuant 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, 36, 39, 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). 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	
1. Oakwood Hospital and Medical Center - Dearborn 2. 18101 Oakwood Boulevard Dearborn, MI 48123-2500	In accordance with application dated May 24, 1995 3. License Number 21-04515-01 is renewed in its entirety to read as follows: 4. Expiration Date August 31, 2001 5. Docket or Reference No. 030-02051

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
A. Any byproduct material identified in 10 CFR 35.100	A. Any radiopharmaceutical identified in 10 CFR 35.100	A. As needed
B. Any byproduct material identified in 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200	B. As needed
C. Any byproduct material identified in 10 CFR 35.300	C. Any radiopharmaceutical identified in 10 CFR 35.300	C. As needed (not to exceed 1 curie of Iodine-131)
D. Any byproduct material identified in 10 CFR 35.400	D. Any brachytherapy source identified in 10 CFR 35.400	D. As needed
E. Any byproduct material identified in 10 CFR 31.11	E. Prepackaged Kits	E. As needed
F. Iridium-192	F. Sealed sources (BYK Mallinckrodt Model CI LBV)	F. Two sources not to exceed 12 curies each
G. Cesium-137	G. Sealed sources (ORIS/CBI Model CSL-15)	G. Three sources not to exceed 1700 curies each

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number 21-04515-01

Docket or Reference Number 030-02051

Amendment No. 79

CORRECTED COPY

9. Authorized Use:

A. Medical use described in 10 CFR 35.100.

B. Medical use described in 10 CFR 35.200.

C. Medical use described in 10 CFR 35.300.

D. Medical use described in 10 CFR 35.400.

E. In vitro studies.

F. One source to be used in a Nucletron Corporation MicroSelectron-HDR remote afterloading brachytherapy unit for interstitial, intracavitary, and bronchial radiotherapy. One source in its shipping container to be in possession of the licensee as necessary for replacement of the source in the irradiation device.

G. Three sources to be used in an International CIS self shielded blood irradiator, Model IBL-437C for the irradiation of biologic matter excluding materials that are flammable and/or explosive.

CONDITIONS

10. Location of Use: 18101 Oakwood Boulevard, Dearborn, Michigan.

11. A. Radiation Safety Officer: David S. Yates, M.D.

B. The high dose rate afterloading brachytherapy physicist is Taljit S. Sandhu, Ph.D., Barbara G. Orton, M.S., and Lisa A. Langenstein, M.S.

12. A. Licensed material listed in Item 6. above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:

Authorized Users	Material and Use
A. Alan R. Hennessey, M.D.	10 CFR 35.100, 35.200, 35.300, and 35.400.
B. Arthur J. Bady, M.D.	10 CFR 35.100, 35.200, 35.300, and 35.400.
C. John B. Junker, M.D.	10 CFR 35.100, 35.200, and 31.11.

License Number 21-04515-01

Docket or Reference Number 030-02051

MATERIALS LICENSE
SUPPLEMENTARY SHEET

Amendment No. 79

CORRECTED COPY

Authorized Users	Material and Use
D. Choon K. Lee, M.D.	10 CFR 35.400, and iridium-192 in remote afterloading brachytherapy unit.
E. James I. Breckenfeld, M.D.	10 CFR 35.100, 35.200, 35.300, (excluding iodine-131 for thyroid carcinoma), and 31.11.
F. Jung H. Chang, M.D.	10 CFR 35.400, and iridium-192 in remote afterloading brachytherapy unit.
G. Reza Abghari, M.D.	10 CFR 35.100, 35.200, 35.300, and 31.11.
H. David S. Yates, M.D.	10 CFR 35.100, 35.200, 35.300 (excluding iodine-131 for treatment of hyperthyroidism and cardiac dysfunction), and 31.11.
I. Kyriakos C. Demetropoulos, M.D.	10 CFR 35.100, 35.200, 35.300, and 31.11.
J. Jerry W. Drake, M.D.	10 CFR 35.100, 35.200, and 35.300.
K. Sharon Helmer, M.D.	10 CFR 35.100, 35.200 (excluding generators), and 35.300.
L. Kenneth D. Bartold, M.D.	10 CFR 35.100, 35.200, and 35.300.
M. Arnold Herskovic, M.D.	10 CFR 35.400 and iridium-192 in remote afterloading brachytherapy unit.
N. Dong Hyuck Kim, M.D.	10 CFR 35.100, 35.200, and 31.11.
O John H. Finger, M.D.	10 CFR 35.100, 35.200, and 35.300.
P. Eric J. Groskind, M.D.	10 CFR 35.100, 35.200 and 35.300.
Q. Daniel B. Schumaker, M.D.	10 CFR 35.100, 35.200, 35.300, and 31.11.
R. Sophia Roumanis, M.D.	10 CFR 35.100, 35.200, and 35.300.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number 21-04515-01

Docket or Reference Number 030-02051

Amendment No. 79

CORRECTED COPY

Authorized Users	Material and Use
S. T. G. McDonald, M.D.	10 CFR 35.100, 35.200 and 35.300.
T. Paul B. Lattin M.D.,	10 CFR 35.400 and iridium-192 in remote afterloading brachytherapy unit.
U. Donald J. Conn, M.D.,	10 CFR 35.100, 35.200 and 35.300.

B. Licensed material listed in subitem 6.G. shall be used by or under the supervision of Cheryl Starbuck upon completion of training by the vendor at installation in accordance with letters dated April 15, 1996, and May 15, 1996.

13. Notwithstanding the provisions of 10 CFR 35.400(d), the licensee may use iridium-192 seeds encased in nylon ribbon as described in letter dated February 7, 1992, for intracavitary/intraluminal treatment of cancer.

14. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.

15. A. (1) The source(s) specified in Item 7.G. shall be tested for leakage and/or contamination at intervals not to exceed six months. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within six months before the transfer shall not be put into use until tested.

(2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.

16. A. Access to the room housing the MicroSelectron-HDR irradiation device shall be controlled by a door at each entrance.

B. The entrance to the irradiation room shall be equipped with an electrical interlock system that will cause the source to return to the shielded position immediately upon opening of the entrance door. The interlock system shall be connected in such a manner that the source cannot be placed in the irradiation position until the entrance door is closed and the source "on-off" control is reset at the control panel.

C. Electrical interlocks on the entrance door to the irradiator room shall be tested for proper operation at least once a month. Records of test results shall be maintained for inspection by the Commission.

D. In the event of malfunction of the door interlock, the irradiation device shall be locked in the "off" condition and not used, except as may be necessary for repair or replacement of the interlock system, until the interlock system is shown to be functioning properly.

17. Prior to initiation of a treatment program, and subsequent to each source exchange for the MicroSelectron-HDR, radiation surveys and tests shall be performed in accordance with the following:

A. A radiation survey shall be made of:

(1) The irradiator source housing, with the source in the shielded position. The maximum radiation levels at 100 centimeters from the surface of the source head shall not exceed 0.25 milliroentgens per hour.

(2) All areas adjacent to the treatment room with the source in the "irradiation" position. The survey shall clearly establish:

(a) That radiation levels in restricted areas are not likely to cause personnel exposure in excess of the limits specified in Section 20.1201, Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standard for Protection Against Radiation" (10 CFR 20).

(b) That quantities of radiation in unrestricted areas do not exceed the limits specified in Section 20.1301(b) 10 CFR 20.

B. Records of survey results shall be maintained for inspection by the Commission.

18. The following shall be performed only by persons specifically authorized by the Commission or an Agreement State to perform such services:

A. Installation and replacement of sources contained in the MicroSelectron-HDR irradiation device.

B. Any maintenance or repair operations on the irradiator involving work on the source head, the source driving unit, or other mechanism that could expose the source, reduce the shielding around the source, or compromise the safety of the unit and result in increased radiation levels.

19. The licensee may possess 24 curies of iridium-192 (not to exceed 12 curies per source) for use in the Nucletron Corporation MicroSelectron HDR remote afterloading brachytherapy device, provided the individual source activity does not exceed 10 curies at the time of installation, and the source is installed by an authorized individual.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number 21-04515-01

Docket or Reference Number 030-02051

Amendment No. 79

CORRECTED COPY

20. In lieu of 10 CFR 35.404(a), immediately after retracting the source from the patient into its shielded position in the remote afterloading device, a radiation survey shall be made of the patient and the remote afterloading device with a portable radiation detection survey instrument to confirm that the source has been removed from the patient. Records of the survey shall be maintained in lieu of the record required in 10 CFR 35.404(b).

21. In lieu of the source inventory required in 10 CFR 35.406, the licensee shall:

    A. Promptly determine that all sources have returned to the safe, shielded position at the conclusion of each remote afterloading brachytherapy procedure.

    B. Promptly make a survey of the area of use to confirm that no sources have been misplaced.

    C. Make a record of the survey including the survey instrument used, dose rate expressed in mrem/hr (μSieverts/hr), time, date and name of the individual making the survey.

    D. Retain the record of the survey in lieu of the record required in 10 35.406(d).

22. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

    A. Application dated May 24, 1995 (excluding the Quality Management Program); and

    B. Letters dated July 18, 1995, March 27, 1996 (excluding the Quality Management Program), April 15, 1996, May 15, 1996, June 19, 1996 and August 5, 1996.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date 10/17/96

By James Bullard
Nuclear Materials Licensing Branch, Region III

Oakwood Hospital - Seaway Center

Oakwood Hospital
Seaway Center

5450 Fort Street
Trenton, Michigan
48183-4625

313.671.3600

Oakwood
Healthcare System

December 13, 1996

US Nuclear Regulatory Commission
Region III
Materials Licensing
801 Warrenville Road
Lisle, Illinois 60532

Re: Change of Ownership 21-16656-01

Dear Sirs:

We wish to advise you of the change of ownership within our organization concerning our Material's License Number 21-16656-01. The information that follows is presented as requested in NRC information Notice 89-25 dated 12/7/94.

2. The contact person for this licensee is Fran Cassell, Director Diagnotic Imaging. (313) 671-3877.

3. There will be no change in personnel having control over licensed activities.

6. There will be no planned changes in organization, location, facility, equipment or operating or emergency procedures.

7. There will be no change in the use, possession, location or storage of licensed materials.

8. There are no changes that would require a license amendment even without a change in ownership.

9. All surveillance items and records will be current at the time of transfer and maintained at the licensee address.

10. We confirm that all records of decommissioning of the facility, public dose, waste disposal, radioactive material spills will be transferred to the new licensee. We have not and will not bury or incinerate radioactive waste.

11. The facility is as indicated with our license application and is free of radioactive contamination.

12. Responsibility and division of transferor's assets for cleanup at the time of transfer are not applicable. We confirm that the possession limits noted in our Materials License 21-16656-01 will be restricted to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.

13. We confirm that the transferee will abide by all commitments and representations previously made to the NRC by the transferor. Contamination of the facility or open inspection items are not applicable.

14. We confirm that the transferor and transferee agree to the change in ownership or control of licensed activities and materials, the conditions of transfer. There are no open inspection items that could result in enforcement action.

15. We confirm to abide by all constraints, conditions, requirements, representations and commitments in the existing license.

If you have any questions regarding this issue, please contact us.

Sincerely,

Edward E. Freupinger / Kas

Administration

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

May 6, 1996

OAKWOOD UNITED HOSPITALS-SEAWAY
ATTN: DR. SCHUNK, HERBERT ,M.D.
Radiation Safety Officer

5450 FORT STREET
TRENTON, MI 48183

SUBJECT: ONE-TIME EXTENSION OF LICENSE EXPIRATION DATE
LICENSE NUMBER 21-16656-01, DOCKET NUMBER 3011427

Dear DR. SCHUNK, HERBERT ,M.D.

On January 16, 1996, the Nuclear Regulatory Commission (NRC) amended its regulations in 10 CFR 30, 40, and 70 to extend the expiration date of certain byproduct, source, and special nuclear material licenses by five years (61 FR 1109). The above referenced license was extended by this rulemaking and will now expire on June 30, 2001. Your license will not be amended to show this extended date until the next routine licensing action. Until then, you may provide copies of this letter to vendors and other interested parties as evidence that the license has been extended as a result of the rule.

The extended license authorizes the same activities and contains the same limitations as it previously did. There will be no change in the frequency that the NRC inspects activities authorized by this license.

The amended rules state that in the case of licensees who are granted extensions and who have a currently pending renewal application for that extended license, the application will be considered withdrawn by the licensee and any renewal fees paid by the licensee for that application will be refunded. This will apply to licenses with expiration dates after July 1, 1995, for which renewal applications and the appropriate fees have been submitted and the renewal is still pending. Refunds will be mailed to licensees under separate cover.

All licensees, including those whose renewal applications were withdrawn by this rulemaking, who wish to change their radiation safety programs must request amendment of their licenses to reflect these changes. Amendment requests must include the correct amendment fee since the NRC cannot apply pending renewal refund balances toward amendment fees.

If you have any questions regarding this letter, please contact the individual below.

John R. Madera, Division of Nuclear Materials Safety - (708) 829-9834

Thank you for your cooperation in this matter.

Sincerely,

Donald A. Cool, Director
Division of Industrial and Medical Nuclear Safety
Office of Nuclear Materials Safety and Safeguards

NRC FORM 374
(10-89)

U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

Amendment No. 07

Pursuant 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, 39, 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). 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	
1. Oakwood United Hospitals-Seaway 2. 5450 Fort Street Trenton, MI 48183	In accordance with letter dated April 15, 1992 3. License number 21-16656-01 is amended in its entirety to read as follows:
	4. Expiration date: June 30, 1996
	5. Docket or Reference No: 030-11427

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
A. Any byproduct material identified in 10 CFR 35.100	A. Any radiopharmaceutical identified in 10 CFR 35.100	A. As needed
B. Any byproduct material identified in 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200 (excluding generators)	B. As needed
C. Any byproduct material identified in 10 CFR 31.11	F. Prepackaged Kits	F. As needed

9. Authorized Use:

A. Medical use described in 10 CFR 35.100.

B. Medical use described in 10 CFR 35.200 (excluding generators).

C. In vitro studies.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 5450 Fort Street, Trenton, Michigan.

11. Radiation Safety Officer: Herbert Schunk, M.D.

NRC Form 374A (5-84) U.S. NUCLEAR REGULATORY COMMISSION

PAGE 2 OF 2 PAGES

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number: 21-16656-01

Docket or Reference number: 030-11427

Amendment No. 07

12. Authorized Users:

A. Herbert Schunk, M.D., for material in 10 CFR 35.100, 35.200 (excluding generators) and 31.11.

B. Chang Y. Han, M.D., for material in 10 CFR 35.100, 35.200 (excluding generators) and 31.11.

C. Tai S. Kang, M.D., for material in 10 CFR 35.100, 35.200 (excluding generator) and 31.11.

13. The licensee shall maintain records of information important to safe and effective decommissioning at the address specified in Condition 10. of this license per the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.

14. This license is based on the licensee's statements and representations listed below:

A. Application dated March 1, 1991; and

B. Letter dated April 15, 1992.

For the U. Nuclear Regulatory Commission

Date: JUN 04 1992

By Lorm J. Hunter
Materials Licensing Section, Region III

Return Application To: Michigan Dept. of Public Health, Division of Radiological Health, 3500 N. Logan, P.O. Box 30035, Lansing, MI 48909

FORM RH-20 (1/85)

Michigan Department of Public Health

Radioactive Material

REGISTRATION FORM

If currently registered, please provide current x-ray or radioactive material registration no.

004508-01-L01

By Authority of Part 135 of Act 368 P.A. 1978. Radioactive Material Registration will not be acknowledged by this Department by return of a receipted copy of this form unless form is properly completed, signed and returned to the address above.

1. REGISTRANT NAME & MAILING ADDRESS (The individual or legal entity to whom receipted registration is to be returned)

Name: SEAWAY HOSPITAL

Street: 5450 FORT STREET

City: TRENTON State: MI Zip: 48183

2. FACILITY NAME & ADDRESS (Location of radioactive sources. If same as Registrant write SAME.) ☐

Name: SAME

Street:

City: State: Zip:

3. RADIATION PROTECTION SUPERVISOR (RPS)

Name: HERBERT SCHUNK, M.D.

Street: DIRECTOR OF RADIOLOGY - SEAWAY HOSPITAL

5450 FORT STREET

City: TRENTON State: MI Zip: 48183

4. RPS SIGNATURE

x Herbert Schunk MD

Date: 1/2/90 Telephone: (313) 671-3800

5. RADIOACTIVE MATERIAL

Nuclide	Sealed or Unsealed	Maximum Quantity on Hand (curies)	Date of Measurement (Sealed Source)	Est. Quantity Used Annually (Unsealed or case-leased)
Thallium-201	Unsealed	0.040	NA	5.0
Gallium-67	Unsealed	0.030	NA	1.5
Indium-111	Unsealed	0.030	NA	1.5
Iodine-123	Unsealed	0.020	NA	2.5
Cobalt-57	Sealed	0.040	NA	NA
NRC Materials License 21-16656-01 attached for reference to Byproduct Material used				

USE ADDITIONAL PAGES IF NECESSARY

MDPH USE ONLY

Comp [X] C Sign I Sign

Registration No 011851-03--L01 County 82 - WAYNE Sign No 18

1 Initial 2 Change 3 Amend 4 Renewal 5 Delete

*If radium-226 for brachytherapy, indicate if case-leased.

REGISTRATION DOES NOT IMPLY APPROVAL OF THE INSTALLATION BY THE MICHIGAN DEPARTMENT OF PUBLIC HEALTH

RECEIVED
Michigan Department of Public Health
JAN 08 1990
BUREAU OF ENVIROMENTAL & OCCUPATIONAL HEALTH-DRH

Do Not Print in This Space

GENERAL ACCOUNT

190441

Oakwood Hospital

OAKWOOD HOSPITAL CORPORATION

18101 OAKWOOD BOULEVARD • DEARBORN, MICHIGAN 48124

74 04786
724

PAY TO THE ORDER OF

OAKWOOD HOSPITAL

	VENDOR NUMBER	CHECK NO.	DATE	AMOUNT
U.S. Nuclear Regulatory Commission	990218	190441	12/16/96	$ 1,760.00

COMERICA BANK

"00190441" :072404786: 2176950786"

DATE AND INVOICE NUMBER	VENDOR NUMBER	INVOICE	DISCOUNT MEMO ONLY	DEDUCTIONS	BALANCE DUE
Nuclear Regulatory Licensure:		Downriver Center Heritage Center Oakwood Hospital & Medical Center Seaway Center			
				DISCOUNT	
				NET AMOUNT	

Oakwood Hospital

OAKWOOD HOSPITAL CORPORATION

DEARBORN, MICHIGAN 48124

F 2 24

GENERAL ACCOUNT

190498

Oakwood Hospital 18101 OAKWOOD BOULEVARD • DEARBORN, MICHIGAN 48124

OAKWOOD HOSPITAL CORPORATION

74-04786
724

PAY TO THE ORDER OF

OAKWOOD HOSPITAL

VENDOR NO.	CHECK NO.	DATE	AMOUNT
U.S. Nuclear Regulatory Commission 990218	190498	12/16/96	$440.00

COMERICA BANK

"00190498" :072404786: 2176950786"

DATE AND INVOICE NUMBER	VENDOR NUMBER	INVOICE	DISCOUNT MEMO ONLY	DEDUCTIONS	BALANCE DUE
Nuclear Regulatory Licensure - Annapolis					

Oakwood Hospital
OAKWOOD HOSPITAL CORPORATION
DEARBORN, MICHIGAN 48124

DISCOUNT	
NET AMOUNT	

JAN 0 2 1997

Oakwood Hospital and Medical Center
ATTN: Loretta Lee, Senior Vice President,
Acute Care
18101 Oakwood Blvd.
Dearborn, MI 48123-2500

Dear Ms. Lee:

Enclosed is Amendment No. 80 to your NRC Material License No. 21-04515-01 in accordance with your request.

Please note that this amendment reflects the changes that have occurred as a result of the ownership change at your institution.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Sincerely,

Patricia Pelke
Nuclear Materials Licensing Branch

License No. 21-04515-01
Docket No. 030-02051

Enclosure: Amendment No. 80

DOCUMENT NAME: M:\03002051.cl6
To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	DNMS/RIII									
NAME	PELKE:sjd									
DATE	12/30/96									

OFFICIAL RECORD COPY

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