NRC FORM 374
(7-94)

U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

Amendment No. 41

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.

301708

Licensee	
1. Mt. Carmel Health System	In accordance with letter dated July 26, 1996 3. License Number 34-00774-04 is amended in its entirety to read as follows:
2. 793 West State Street Columbus, OH 43222	4. Expiration Date October 31, 2001
	5. Docket or Reference No. 030-02653

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 ofI-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 35.500	E. Sealed sources identified in 10 CFR 35.500	E. As needed
F. Any byproduct material identified in 10 CFR 31.11	F. Prepackaged Kits	F. As needed
G. Uranium depleted in Uranium-235	G. Cadmium plated metal	G. As needed

030007

9612030217 961120
PDR ADOCK 03002653
C PDR

COPY

License Number
34-00774-04

Docket or Reference Number
030-02653

Amendment No. 41

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. Medical use described in 10 CFR 35.500 in devices which have been evaluated and approved for licensing purposes by the U.S. Nuclear Regulatory Commission or an Agreement State.

F. In vitro studies.

G. Shielding in a linear accelerator.

CONDITIONS

10. A. Licensed material shall be used at the licensee's facilities located at Mt. Carmel Health System d/b/a Mt. Carmel Medical Center, 793 West State Street, Columbus, Ohio and at Mt. Carmel Health System d/b/a Mt. Carmel East Hospital, 6001 East Broad Street, Columbus, Ohio.

B. Licensed material identified in license items 6.A., 6.B. (excluding xenon-133), 6.C. and 6.E., may also be used at the licensee's facilities located at Mt. Carmel Health System d/b/a St. Ann's Hospital, 500 South Cleveland Avenue, Westerville, Ohio.

11. A. Radiation Safety Officer: Charles Baker

B. Assistant Radiation Safety Officer: Glen Linder, M.S.

C. Assistant Radiation Safety Officer: L. C. Linn, M.D. PH.D. for licensed operations conducted at Mt. Carmel Health System d/b/a Mount Carmel East Hospital only during absence of the primary RSO, Charles Baker.

12. Authorized Users:

A. C. David Schloss, M.D., for material in 10 CFR 35.100, 35.200, 35.300, 35.400, 35.500, 31.11, and depleted uranium.

COPY

License Number
34-00774-04

Docket or Reference Number
030-02653

Amendment No. 41

MATERIALS LICENSE
SUPPLEMENTARY SHEET

12. Authorized Users (Continued)

B. James R. Rothe, M.D., for material in 10 CFR 35.100, 35.200, 35.300, 35.400, 35.500, 31.11, and depleted uranium.

C. J. D. Morris, M.D., for material in 10 CFR 35.100, 35.200, 35.500 and 31.11.

D. Lawrence R. Fulmer, M.D., for material in 10 CFR 35.100, 35.200, 35.300, 35.500 and 31.11.

E. John F. Dotter, M.D., for material in 10 CFR 35.100, 35.200, 35.400, 35.500, 31.11, and depleted uranium.

F. A. Z. Filiatraut, M.D., for material in 10 CFR 35.100, 35.200, 35.500, and 31.11.

G. S. F. Probst, M.D., for material in 10 CFR 35.100, 35.200, 35.500, and 31.11.

H. W. C. Conrad, M.D., for material in 10 CFR 35.100, 35.200, 35.500, and 31.11.

I. G. P. Cain, M.D., for material in 10 CFR 35.100, 35.200, 35.500, and 31.11.

J. E. S. Carducci, M.D., for material in 10 CFR 35.100, 35.200, 35.500, and 31.11.

K. Chung K. Yin, M.D., for material in 10 CFR 35.100, 35.200, 35.300, 35.400, 35.500, and 31.11.

L. Chien Yi Wang, M.D., for material in 10 CFR 35.100, 35.200, 35.300, 35.500, and 31.11.

M. Craig Mills, M.D., for material in 10 CFR 35.100, 35.200, 35.500, and 31.11.

N. Louis J. Rivello, M.D., for material in 10 CFR 35.300, 35.400, and 35.500.

O. L. C. Lin, Ph.D., M.D., for material in 10 CFR 35.100, 35.200, 35.300, 35.500, and 31.11.

P. Glenn P. Carney, M.D., for material in 10 CFR 35.100, 35.200, 35.300 and 31.11.

Q. Richard Fuchs, M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-133) and 35.500.

COPY

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
34-00774-04

Docket or Reference Number
030-02653

Amendment No. 41

12. Authorized Users (Continued)

R. Timothy Frye, M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-133) and 35.500.

S. Beverly Nahman, M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-133) and 35.500.

T. Seong Koo Cho, M.D., for material in 10 CFR 35.100, 35.200 and 31.11.

U. Leigh Lay Herman, M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-13) and 35.500.

V. David Michael Drees, M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-133) and 35.500.

W. Robert B. McGhee, Jr., M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-133), 35.500 and 31.11.

X. Kathryn Gladys Gardner, M.D., for material in 10 CFR 35.100, 35.200 (excluding xenon-133), 35.500 and 31.11.

13. Pursuant to Title 10, Chapter 1, Code of Federal Regulations, Part 40, "Domestic Licensing of Source Material," the licensee is authorized to possess, use, transfer, and import up to 999 kilograms of depleted uranium contained as shielding material in the molybdenum-99/technetium-99m generators authorized by this license.

14. The licensee shall maintain records of information important to safe and effective decommissioning at 793 West State Street, Columbus, Ohio per the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.

15. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

16. This license does not authorize commercial distribution of licensed material.

17. The licensee shall perform ambient dose rate surveys and surveys for removable contamination in the vehicle used to transport radioactive material once each calendar week in which the vehicle was used.

COPY

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
34-00774-04

Docket or Reference Number
030-02653

Amendment No. 41

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

A. Applications dated June 9, 1992 (with attachments) April 7, 1993, January 10, 1995 (with attachments), August 9, 1995 (with attachments), and December 18, 1995;

B. Letters dated July 2, 1991 (with attachments), July 26, 1996 and October 4, 1996; and

C. Letters received May 24, 1996.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date November 20, 1996 By Richard Walton
Nuclear Materials Licensing Branch, Region III

COPY

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 02120
STATUS CODE: 0
FEE CATEGORY: 7C 2B
EXP. DATE: 20011031
FEE COMMENTS:
DECOM FIN ASSUR REQD: N

SS

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
   APPLICANT/LICENSEE: MOUNT CARMEL HEALTH SYSTEM
   RECEIVED DATE: 960809
   DOCKET NO: 3002653
   CONTROL NO.: 301708
   LICENSE NO.: 34-00774-04
   ACTION TYPE: AMENDMENT

2. FEE ATTACHED
   AMOUNT: 440
   CHECK NO.: 600978

3. COMMENTS

SIGNED Marcia V Pearson
DATE 8/13/96

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED) ✓

1. FEE CATEGORY AND AMOUNT: 7C $440

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:
   AMENDMENT ✓
   RENEWAL
   LICENSE

3. OTHER

SIGNED SC
DATE 8/23/96

Log Aug 7 III
Remitter
Check No. 600978
Amount $440
Fee Category 7C 2B
Type of Fee AMD
Date Check Rec'd 8/15/96
Date Completed 8/23/96
By SC

w/c/w 301708

AUG 26 1996

MOUNT CARMEL
HEALTH SYSTEM
"The Spirit of Life"

793 West State Street • Columbus, Ohio 43222-1560 • (614) 234-5000

July 26, 1996

USNRC
Region III
801 Warrenville Road
Lisle, IL 60532-4351

Re: License Number 34-00774-04

To Whom It May Concern,

Please allow this license amendment to reflect the following changes:

1. Remove Fayette County Memorial Hospital, 1430 Columbus Avenue, Washington Court House, OH as a location of use on our license. Services were never initiated at this location, thus a close-out survey is not required.

2. Add Mt. Carmel Health System d/b/a St. Ann's Hospital, 500 South Cleveland Avenue, Westerville, OH as a location of use on our license. Please reference license number 34-17355-01 for the following information:

   a. Map of area of use.
   b. List of authorized users and their authorizations. Please add all authorized users to our license.
   c. Also please add a new camera room to the St. Ann's location. A diagram of this new location is enclosed.

   A copy of license number 34-17355-01 is attached. Upon issuance of this amendment, we request that license number 34-17355-01 be terminated. A separate termination request including additional required termination information has been sent to the commission under a separate cover.

   The addresses of our areas of use are;

   a. Mt. Carmel Health System
      d/b/a Mt. Carmel Medical Center
      793 West State Street
      Columbus, OH 43222

   b. Mt. Carmel Health System
      d/b/a Mt. Carmel East Hospital
      6001 East Broad Street
      Columbus, OH 43213

RECEIVED
AUG 09 1996
REGION III

PM 8/5/96

AUG 09 1996

MOUNT CARMEL
HEALTH SYSTEM
"The Spirit of Life"

793 West State Street • Columbus, Ohio 43222-1560 • (614) 234-5000

c. Mt. Carmel Health System
d/b/a St. Ann's Hospital
500 South Cleveland Avenue
Westerville, OH 43081

3. Move the Nuclear Medicine Department at Mount Carmel Medical Center to a new location. A map of the new department is attached. Close-out surveys will be performed in the old location prior to it's release for unrestricted use. A sample copy of the close-out survey form is attached. All survey information will be kept on file for NRC review. The anticipated move date is May 1, 1997.

4. We request approval for our Radiation Safety Committee to name physician authorized users thus, all licensed material would be used by or under the supervision of individuals designated by the Radiation Safety Committee.

We request that the above items receive prompt attention so that our construction and move plans may proceed on schedule.

Thank you for your attention to these matters.

Sincerely,

Dale St. Arnold
President & Chief Executive Officer

DSA/CB/kmg

NRC FORM 313 (6-93)
10 CFR 30, 32, 33
34, 35, 36, 39 and 40

U. S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR MATERIAL LICENSE

APPROVED BY OMB: NO. 3150-0120
EXPIRES 6-30-96

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 9 HOURS. SUBMITTAL OF THE APPLICATION IS NECESSARY TO DETERMINE THAT THE APPLICANT IS QUALIFIED AND THAT ADEQUATE PROCEDURES EXIST TO PROTECT THE PUBLIC HEALTH AND SAFETY. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0120), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

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

LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

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

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION II
101 MARIETTA STREET, NW, SUITE 2900
ATLANTA, GA 30323-0199

IF YOU ARE LOCATED IN:

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

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION
REGION III
801 WARRENVILLE ROAD
LISLE, IL 60532-4351

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

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-8064

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

RADIOACTIVE MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION V
1450 MARIA LANE
WALNUT CREEK, CA 94596-5368

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATOY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

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

___ A. NEW LICENSE
X B. AMENDMENT TO LICENSE NUMBER 34-00774-04
___ C. RENEWAL OF LICENSE NUMBER ___

2. NAME AND MAILING ADDRESS OF APPLICANT *(Include ZIP code)*

Mt. Carmel Health Systems
793 West State Street
Columbus, OH 43222

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

See Att:

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Sharon L. Long, National Physics

TELEPHONE NUMBER
330-966-7548

SUBMIT ITEMS 6 THROUGH 11 ON 8-1/2" X 11" PAPER. THE TYPE AND SCOPE OF INFOMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5.	RADIOACTIVE MATERIAL a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.	6.	PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.
7.	INDIVIDUALS RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.	8.	TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.
9.	FACILITIES AND EQUIPMENT.	10.	RADIATION SAFETY PROGRAM.
11.	WASTE MANAGEMENT.	12.	LICENSE FEES FEE CATAGORY 7 C AMOUNT ENCLOSED $440.00

13. CERTIFICATION. *(Must be completed by applicant)* THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39 AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

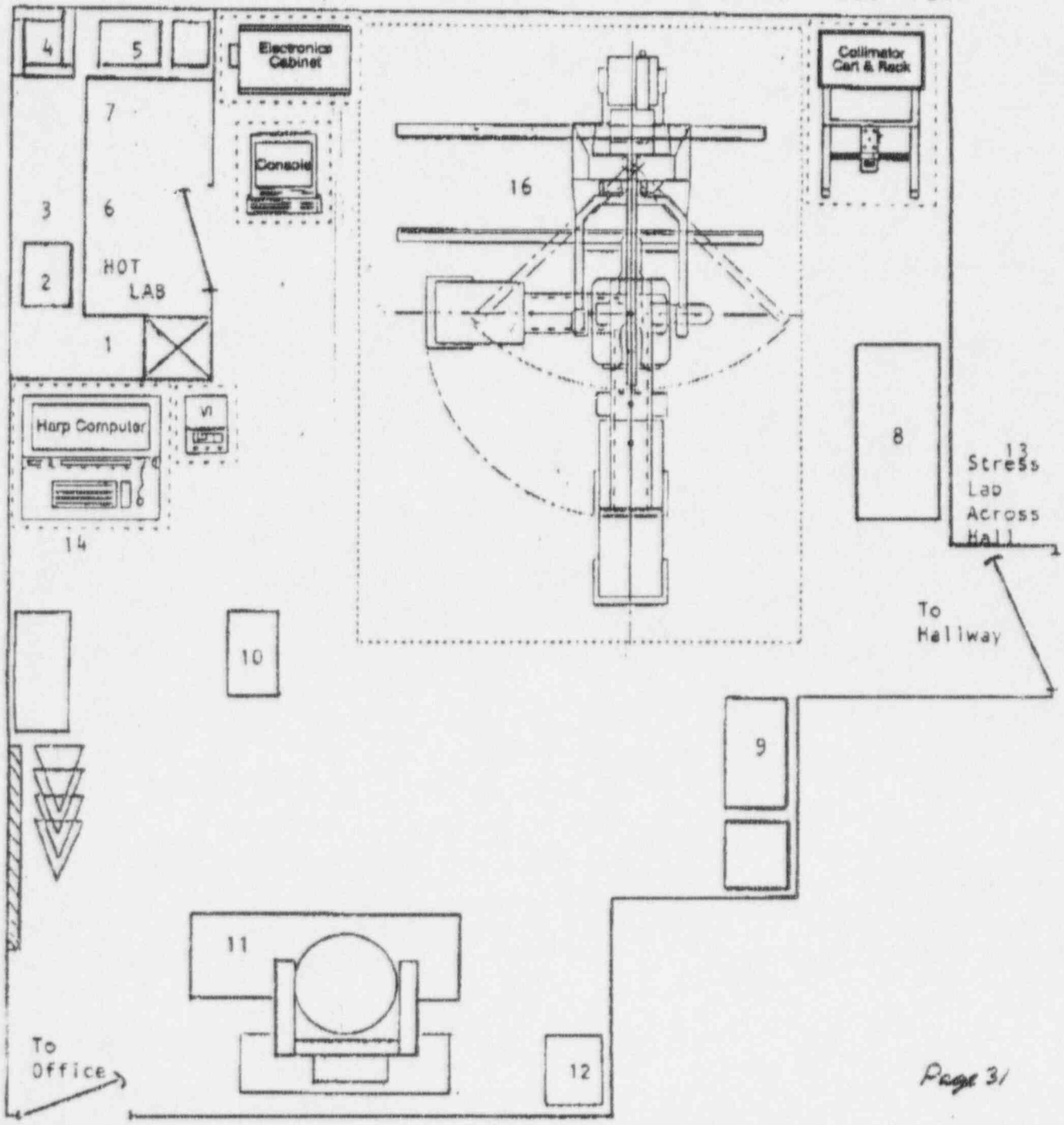
CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE	SIGNATURE	DATE
Dale St. Arnold, President & CEO		7/26/96

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED $	CHECK NUMBER	COMMENTS
APPROVED BY				DATE	

1. RETURNS
2. HOT SINK
3. RECEIVING
4. LEADED STORAGE
5. DOSE CALIBRATOR & L-SHIELD
6. TRASH CONTAINER
7. DECAY STORAGE(UNDER COUNTER)
8. WORK DESK
9. UPTAKE PROBE & WELL COUNTER
10. INJECTION CART
11. PLANAR CAMERA & TABLE
12. PLANAR CONSOLE
13. STRESS LAB
14. COMPUTER
15. SPECT CONSOLE
16. SPECT CAMERA & TABLE

ST. ANN'S HOSPTIAL--DEPARTMENT OF NUCLEAR MEDICINE--FLOOR PLAN



NRC FORM 374
(10-88)

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 11
CORRECTED COPY

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. St. Ann's Hospital

2. 500 Cleveland Avenue
Westerville, OH 43801

In accordance with letter dated May 17, 1994

3. License number 34-17355-01 is amended in its entirety to read as follows:

4. Expiration date June 30, 1998

5. Docket or Reference No 030-12618

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
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 I-131)
D. Any byproduct material identified in 10 CFR 35.500	D. Sealed sources identified in 10 CFR 35.500	D. 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).

C. Medical use described in 10 CFR 35.300.

D. Medical use described in 10 CFR 35.500 in devices which have been evaluated and approved for licensing purposes by the U.S. Nuclear Regulatory Commission or an Agreement State.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number: 34-17355-01
Docket or Reference number: 030-12618

Amendment No. 11

CORRECTED COPY

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 500 Cleveland Avenue, Westerville, OH.

11. Radiation Safety Officer: Glenn P. Carney, M.D.

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
Lawrence F. Fulmer, M.D.	35.100, 35.200 (excluding Xenon-133), 35.300, 35.500
Chien (Steve) Wang, M.D.	35.100, 35.200 (excluding Xenon-133), 35.300, 35.500
James R. Rothe, M.D.	35.100, 35.200 (excluding Xenon-133), 35.300, 35.500
C. David Schloss, M.D.	35.100, 35.200 (excluding Xenon-133), 35.300, 35.500
Richard Fuchs, M.D.	35.100, 35.200 (excluding Xenon-133), 35.500
Timothy Frye, M.D.	35.100, 35.200 (excluding Xenon-133), 35.500
Craig Mills, M.D.	35.100, 35.200 (excluding Xenon-133), 35.500
Beverly Nahman, M.D.	35.100, 35.200 (excluding Xenon-133), 35.500
G. Patrick Cain, M.D.	35.100, 35.200 (excluding Xenon-133), 35.500
Ernest S. Carducci, M.D.	35.100, 35.200 (excluding Xenon-133), 35.500
William Conrad, III, M.D.	35.100, 35.200 (excluding Xenon-133), 35.500
John Dotter, M.D.	35.100, 35.200 (excluding Xenon-133), 35.500
Arthur E. Filiatraut, M.D.	35.100, 35.200 (excluding Xenon-133), 35.500
Stephen F. Probst, M.D.	35.100, 35.200 (excluding Xenon-133), 35.500
J. Douglas Morris, M.D.	35.100, 35.200 (excluding Xenon-133), 35.500

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number: 34-17355-01
Docket or Reference number: 030-12618
Amendment No. 11

CORRECTED COPY

12. (Continued)

Authorized Users	Material and Use
Leigh Lay Herman, M.D.	35.100, 35.200 (excluding Xenon-133), 35.500
David Michael Drees, M.D.	35.100, 35.200 (excluding Xenon-133), 35.500
Robert B. McGhee, Jr., M.D.	35.100, 35.200 (excluding Xenon-133), 35.500
Kathryn Gladys Gardner, M.D.	35.100, 35.200 (excluding Xenon-133), 35.500
Glenn P. Carney, M.D.	35.100, 35.200 (excluding Xenon-133), 35.300

13. The licensee shall maintain records of information related to decommissioning at the location listed in item 2 of this license as specified in 10 CFR 30.35(g) until this license is terminated by the Commission.

14. 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 U.S. 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 March 16, 1993; and

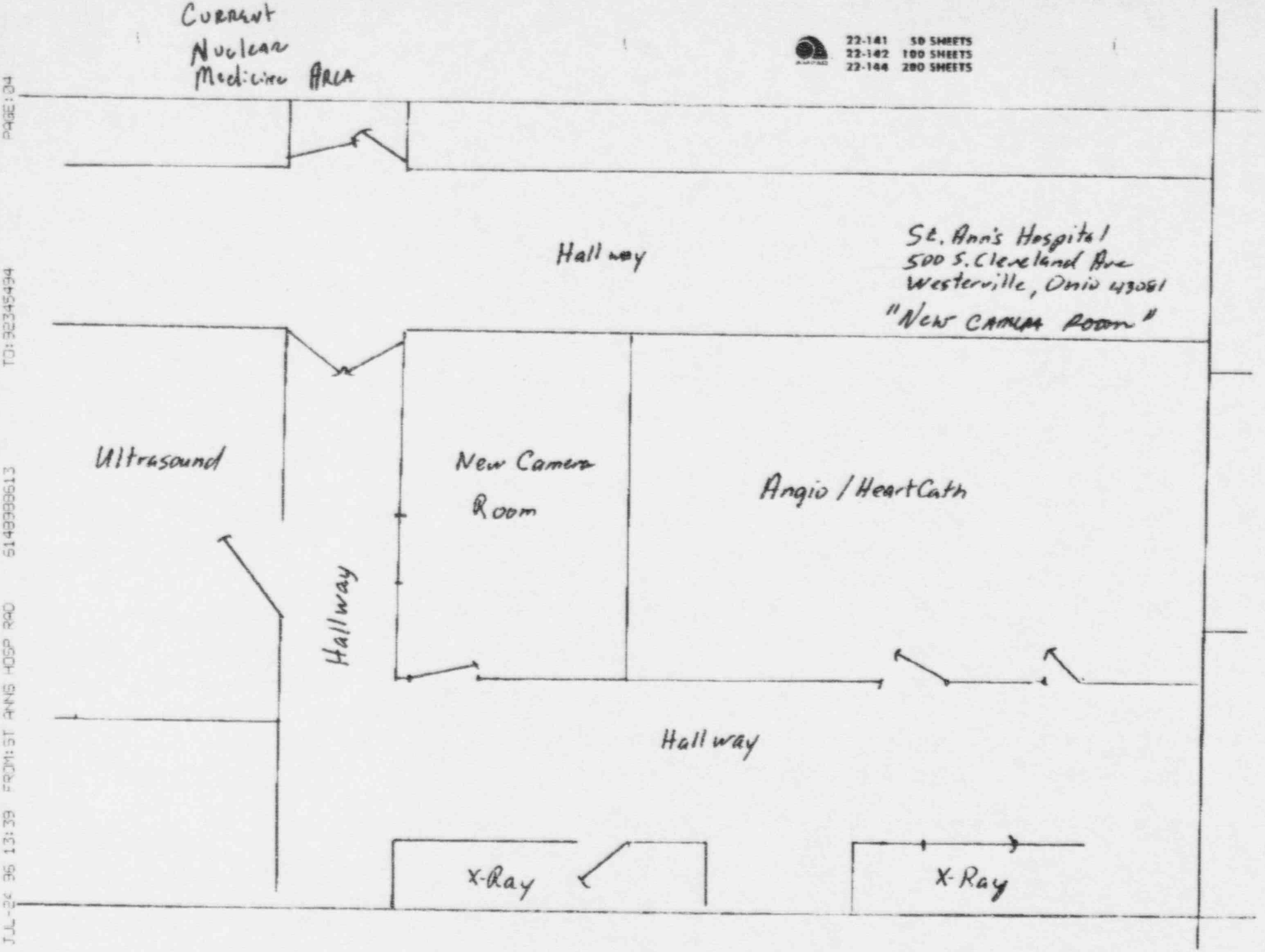
    B. Letter dated May 17, 1994.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date 8/3/94

By James Mulhanes
Materials Licensing Section, Region III

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



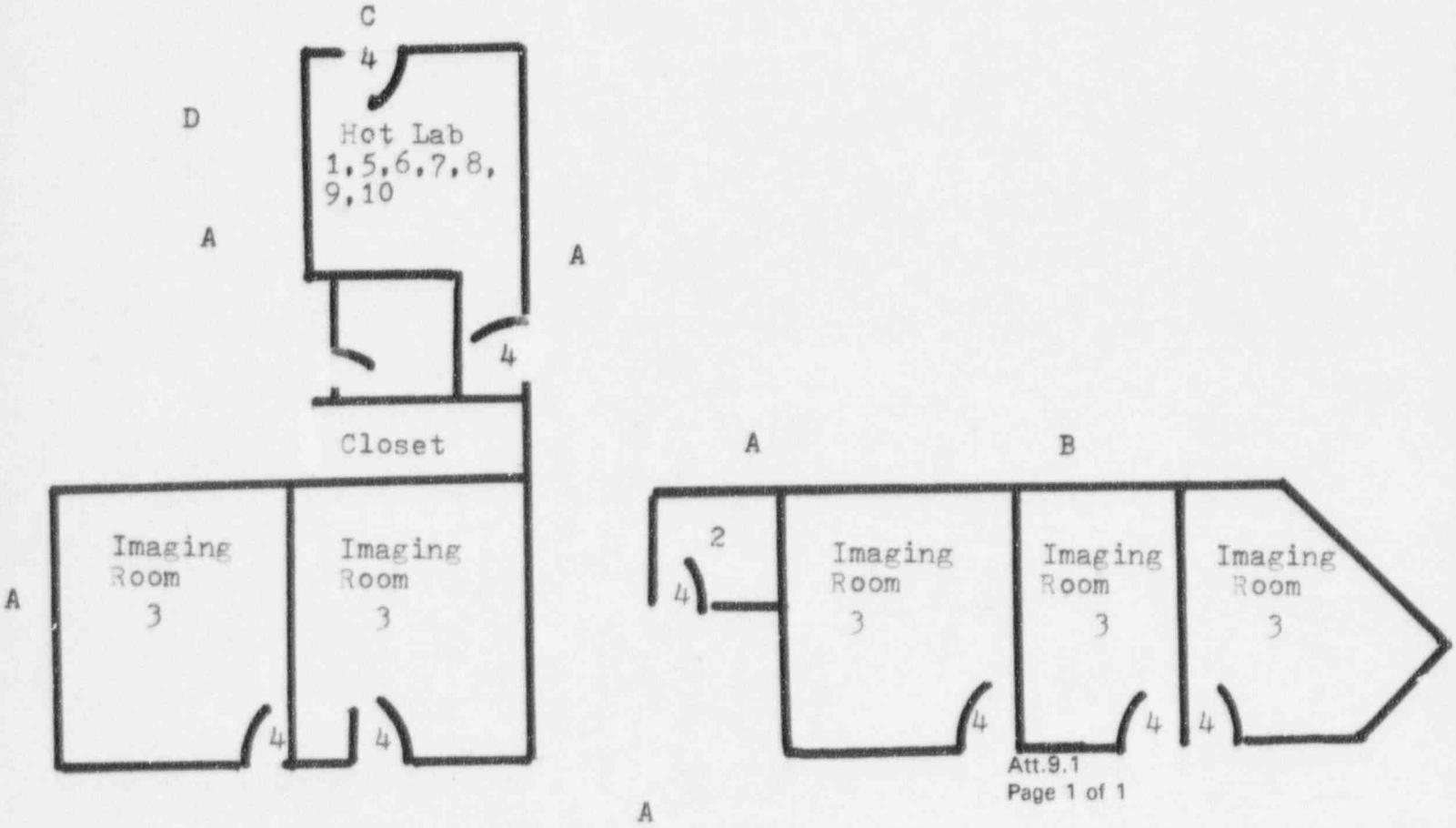
Attachment 9.1

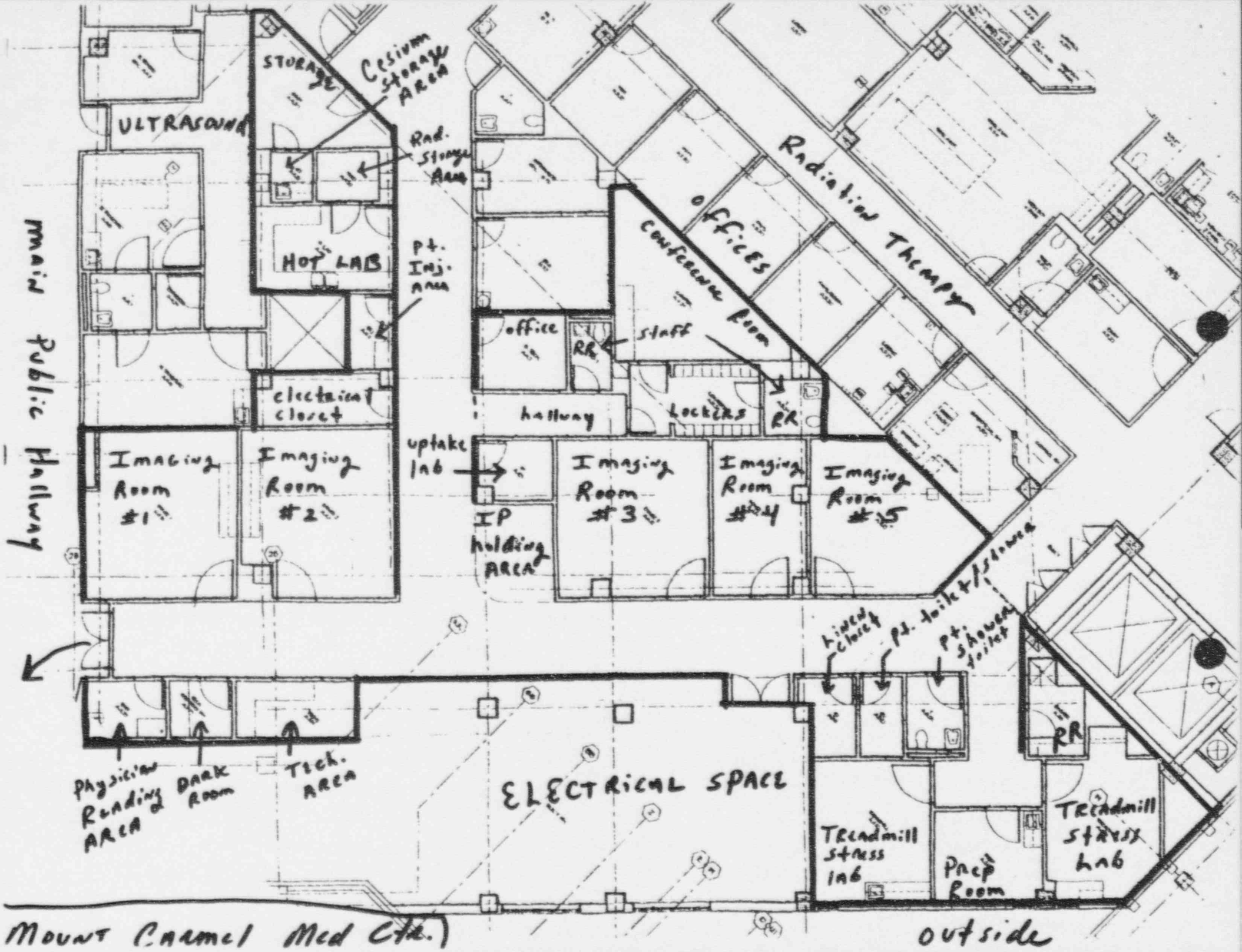
mcmc
New
Dept.

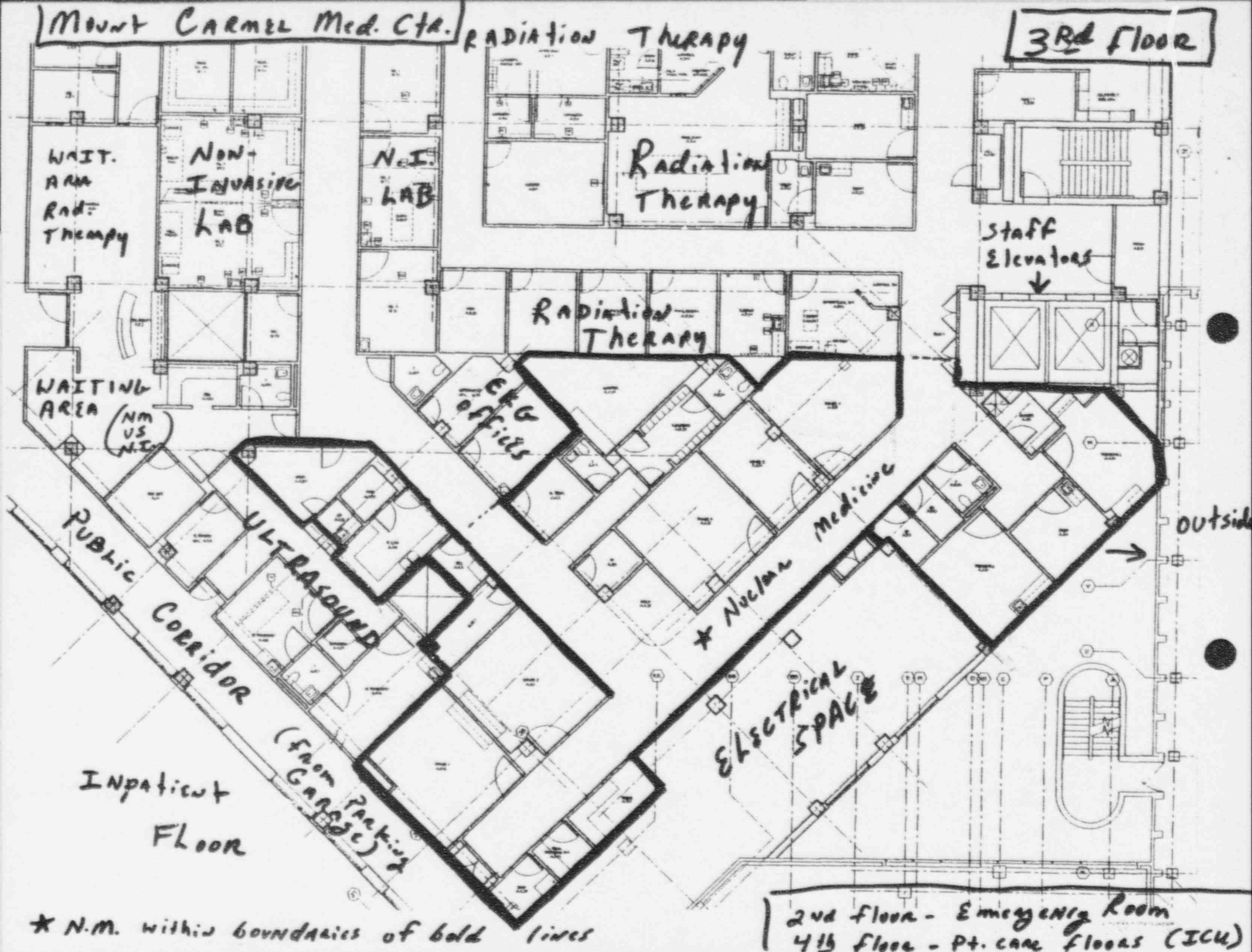
Facilities and Equipment Diagram

				Lead Shielding
1	Survey Equipment			
2	Uptake/Well	ADJACENT AREAS		L x W x H x T
3	Camera	A	Hallway	
4	Lockable Door	B	Lockers	
5	Receipt Area	C	Storage	L x W x H x T
6	Generator	D	Ultrasound	
7	Kit/Dose Preparation			
8	Isotope Storage			L x W x H x T
9	Waste Storage			
10	Dose Calibrator			
				L x W x H x T

Shielding in all restricted areas will be adequate to assure that no worker or member of the general public receives radiation exposures in excess of the limits indicated in 10 CFR Part 20.




Main Public Hallway
ULTRASOUND
STORAGE
Cesium Storage AREA
Rad. Storage Area
HOT LAB
Pt. Inj. Area
electrical closet
Imaging Room #1
Imaging Room #2
uptake lab
IP holding AREA
office
RR
staff
hallway
lockers
RR
Conference Room
offices
Radiation Therapy
Imaging Room #3
Imaging Room #4
Imaging Room #5
Lined closet
Pt. toilet
Pt. shower toilet
RR
Physician Reading AREA
DARK ROOM
Tech. AREA
ELECTRICAL SPACE
Treadmill stress lab
Prep Room
Treadmill stress lab
Mount Carmel Med Ctr.
outside


Mount Carmel Med. Ctr.
3rd floor
Radiation Therapy
Wait. Area Rad. Therapy
Non-Invasive Lab
N.I. Lab
Radiation Therapy
Radiation Therapy
Staff Elevators
Waiting Area (NM vs N.I.)
EKG offices
Public Corridor (from Parking Garage)
Ultrasound
Nuclear Medicine
Electrical Space
Outside
Inpatient Floor
* N.M. within boundaries of bold lines
2nd floor - Emergency Room
4th floor - Pt. care floors (ICU)

CLOSE OUT SURVEY

FACILITY NAME: _____

LICENSE NUMBER: _____

ROOM: _____

DATE: _____

SURVEY METER S/N: _____

SURVEY METER
CALIBRATION DATE: _____

WELL COUNTER S/N: _____

ROOM DIAGRAM INCLUDING AREA KEY ATTACHED

SURVEY RESULTS: (all results in mr/hr)

BKG _____

AREAS

1. _____	6. _____
2. _____	7. _____
3. _____	8. _____
4. _____	9. _____
5. _____	10. _____

WIPE RESULTS: (all results in DPM)

BKG _____

1. _____	6. _____
2. _____	7. _____
3. _____	8. _____
4. _____	9. _____
5. _____	10. _____

_____ _____

Individual Performing Survey RSO

MOUNT CARMEL
HEALTH SYSTEM
"The Spirit of Life"

793 West State Street • Columbus, Ohio 43222-1560 • (614) 234-5000

July 26, 1996

USNRC
Region III
801 Warrenville Road
Lisle, IL 60532-4351

Re License Number: 34-17355-01

To Whom It May Concern,

Upon issuance of the license amendment adding St. Ann's Hospital as a location of use on license number 34-00774-04 (Mount Carmel Health System) please terminate license number 34-17355-01.

All sealed sources and/or residual waste being held for decay in storage will be transferred to the control of license number 34-0077-04.

All records generated under the terminated license (including any documents, etc.) will be transferred to the control of license number 34-00774-04. These records will be kept for the length of time required by the appropriate section of the Code of Federal Regulations.

No residual contamination is present. A close out survey has been performed and is attached for your review.

Thank you for your attention to this matter.

Sincerely,

Dale St. Arnold
President & Chief Executive Officer

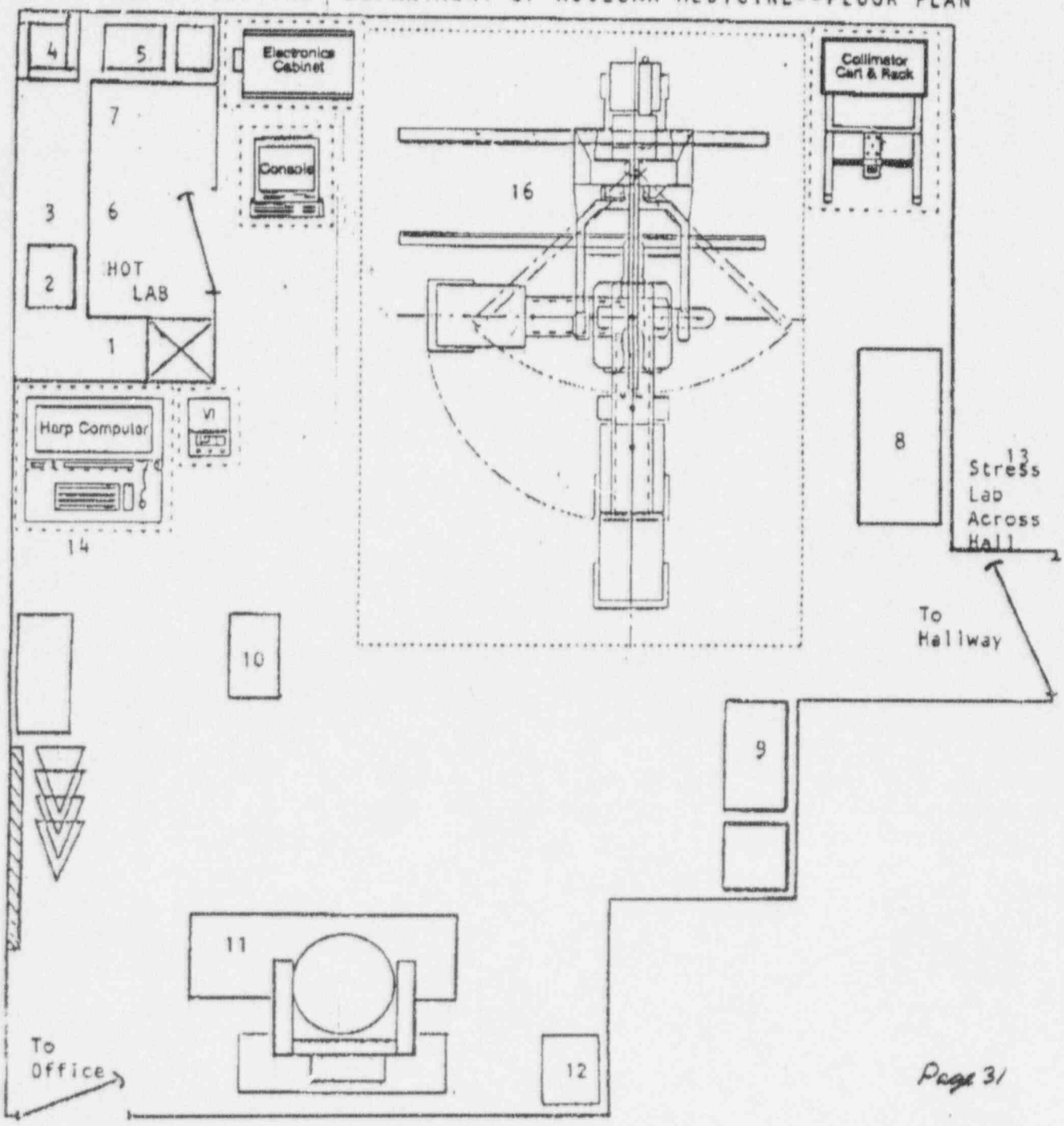
DSA/CB/kmg

RECEIVED
AUG 09 1996
REGION III

PM 8/8/96

1. RETURNS
2. HOT SINK
3. RECEIVING
4. LEADED STORAGE
5. DOSE CALIBRATOR & L-SHIELD
6. TRASH CONTAINER
7. DECAY STORAGE(UNDER COUNTER)
8. WORK DESK
9. UPTAKE PROBE & WELL COUNTER
10. INJECTION CART
11. PLANAR CAMERA & TABLE
12. PLANAR CONSOLE
13. STRESS LAB
14. COMPUTER
15. SPECT CONSOLE
16. SPECT CAMERA & TABLE

ST. ANN'S HOSPTIAL--DEPARTMENT OF NUCLEAR MEDICINE--FLOOR PLAN



ST. ANN'S HOSPITAL

NUCLEAR MEDICINE DEPARTMENT

WESTERVILLE, OHIO

Closeout Survey

Weekly Area Wipe Test: 27 - 1

Date: 07-19-1996 Time: 14:47 Tech. Initials: KJN
Instrument __: 7360 Serial # ____: 1-22052401
Manufacturer : CANBERRA Next Cal. Date:
Trigger Limit: 2000 DPM Efficiency __: (93.00 %)
Background __: 122 CPM Wipe Area ____: 100.00 Sq. CM

Areas	CPM	DPM	Areas	CPM	DPM
CS RETURN	0	0	HL SINK	0	0
CS RECEIV	6	6	PB STORAG	0	0
DOSCAL. &L.	0	0	TRASH CON	0	0
DECAY STR	0	0	WORK DESK	2	2
PROB WELL	5	5	INJ CART	0	0
PLAN CAM	0	0	PLAN CONS	0	0
STRESSLAB	0	0	COMPUTER	3	3
SPEC CONS	4	4	SPEC CAM	0	0

ST. ANN'S HOSPITAL

NUCLEAR MEDICINE DEPARTMENT

WESTERVILLE, OHIO

Daily Area Monitoring: 175 - 1

Date: 07-19-1996 Time: 18:15 Tech. Initials: KJN
Instrument __: 2000 Serial # ____: 1-A-200-K
Manufacturer : BICRON Next Cal. Date: 07-21-1996
Trigger Limit: 2.00 mR/hr Chk. Source __: 1.20 mR/hr
Background __: 0.02 mR/hr Battery Check_: PASS

Areas	mR/hr	Areas	mR/hr
CS RETURN	0.02	HL SINK	0.02
CS RECEIV	0.02	PB STORAG	0.02
DOSCAL. &L.	0.03	TRASH CON	0.04
DECAY STR	0.04	WORK DESK	0.02
PROB WELL	0.02	INJ CART	0.02
PLAN CAM	0.02	PLAN CONS	0.02
STRESSLAB	0.02	COMPUTER	0.02
SPEC CONS	0.02	SPEC CAM	0.02

CLOSE OUT SURVEY

FACILITY NAME: St. Ann's Hospital

LICENSE NUMBER: 34-17355-01

ROOM: See Att.

DATE: 7-19-96

SURVEY METER S/N: 1-A-200-K

SURVEY METER CALIBRATION DATE: 7-21-95

WELL COUNTER S/N: 1-22852481

ROOM DIAGRAM INCLUDING AREA KEY ATTACHED

SURVEY RESULTS: (all results in mr/hr)

BKG _____

AREAS

1. _____ 6. _____
2. _____ 7. _____
3. _____ 8. _____
4. _____ 9. _____
5. _____ 10. _____

WIPE RESULTS: (all results in DPM)

BKG _____

1. _____ 6. _____
2. _____ 7. _____
3. _____ 8. _____
4. _____ 9. _____
5. _____ 10. _____

Kathy J. Will
Individual Performing Survey

Glenn Muney
RSO

NOV 21 1996

Dale St. Arnold
President and CEO
Mt. Carmel Health System
793 West State Street
Columbus, OH 43222

Dear Mr. Arnold:

Enclosed is Amendment No. 41 to your NRC Material License No. 34-00774-04 in accordance with your request.

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.

Please be advised per your request in letter dated July 26, 1996 that we have added Mt. Carmel Health System d/b/a St. Ann's Hospital, 500 South Cleveland Avenue, Westerville, Ohio as a location of use on your license.

Please be advised that we cannot authorize you to release your old nuclear medicine space for unrestricted use (even by other members of your staff) until we have received and reviewed a copy of the results of your close-out survey. The survey should consist of exposure rate measurements to show that all sources of radioactive material have been removed, and contamination checks of areas where radioactive materials were used or stored. Average radiation levels associated with surface contamination and removable contamination should not exceed those specified in the enclosed decontamination guide. Please submit the following information with your close-out survey:

a. A diagram of your old facility with survey and wipe test results keyed to specific locations.

b. The name of the person performing the survey.

c. The date the survey was performed.

d. The instrument(s) used for exposure rate measurements and for analysis of the wipes.

e. Background readings.

f. The date that the survey instrument was last calibrated.

301708

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.

2. Notify NRC, in writing, within 30 days:

   a. When an authorized user or Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or

   b. When the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).

3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license when you decide to terminate all activities involving materials authorized under the license.

4. Request and obtain a license amendment before you:

   a. Receive or use byproduct material for a clinical procedure permitted under Part 35 but not permitted by your license issued pursuant to this Part;

   b. Permit anyone, except individuals described in 10 CFR 35.13(b), to work as an authorized user under the license;

   c. Change Radiation Safety Officers;

   d. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;

   e. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or

   f. Change ownership of your organization.

5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,

Original Signed By
Gidget Watson
Nuclear Materials Licensing Branch

License No. 34-00774-04
Docket No. 030-02653

Enclosure: Amendment No. 41

DOCUMENT NAME: M:\03002653.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	GWatson:brt									
DATE	11/20/96									

OFFICIAL RECORD COPY

MOUNT CARMEL
HEALTH SYSTEM
"The Spirit of Life"

793 West State Street • Columbus, Ohio 43222-1560 • (614) 234-5000

October 4, 1996

U.S.N.R.C.
Region III
Gidget Watson
801 Warrenville Road
Lisle, IL 60532-4351

RE: License Number 34-00774-04
Control Number 301708

Dear Ms. Watson,

The following information is in response to additional questions regarding our license amendment application dated July 26, 1996.

GENERAL INFORMATION

1. We confirm that close out surveys of the old Nuclear Medicine Department will be submitted to the NRC for review. The site will not be released for general use prior to commission approval.

2. We confirm that the Radiation Safety Committee will name authorized users only if the individuals meet the requirements of 10 CFR Part 35, Subpart J.

3. We confirm that St. Ann's Hospital will follow all of the Radiation Safety policies and procedures currently applicable to Mount Carmel Health System.

4. We confirm that all records will be made available to the NRC for review upon reasonable notice. The point-of-contact for information and notification is Charles Baker, Radiation Safety Officer; phone number, (614)234-5738.

5. We confirm that radiation safety equipment, example, G-M survey meters may occasionally be shared between sites; however, at no time will any site be without the required equipment for safe and effective use of byproduct materials.

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OCT 08 1996
REGION III

OCT 08 1996

6. We confirm that inventory at all sites will be monitored and controlled to assure that regulatory possession limits are not exceeded.

7. Transportation of licensed material between sites will not be a routine occurrence, however if transport of radioactive materials is needed, the procedures approved and outlined in the application for NRC license amendment number 37 issued April 14, 1995 will be followed.

8. As indicated in item number 14 of our license amendment number 40, we confirm that records important to safe and effective decommissioning will be maintained per the provisions of 10 CFR 30.35 (g).

PROGRAM MANAGEMENT STRUCTURE

1. We confirm that management is ultimately responsible for the safe use of NRC licensed materials. An administrative structure is currently in place to assure safe operation by users at all sites. Documentation of the Radiation Safety Program structure is appended as:

MOUNT CARMEL HEALTH SYSTEM
ORGANIZATIONAL RADIATION SAFETY PROGRAM

2/3. Organizational charts showing both the flow of authority for the entire organization and the specific structure of the system-wide Radiation Safety Program are appended. You will note that the Radiation Safety Committee and the Radiation Safety Officer report directly to the President and Chief Executive Officer of Mount Carmel Health System thus assuring appropriate management involvement with all radiation safety issues.

Ownership and control of all radioactive materials were clearly specified in the Affiliation Agreement submitted to the NRC by Ms. Mary Beth Brust. The written consent of the NRC to the agreement was issued by John Madera, Chief Nuclear Materials Licensing Branch, on June 27, 1996.

4. As stated above, we confirm that senior management is ultimately responsible for the Radiation Safety Program. To assure safe day to day operations of the program at each site, a site radiation safety coordinator has been named for each location of use. The outline of this structure is appended as:

MOUNT CARMEL HEALTH SYSTEM
RADIATION SAFETY PROGRAM MANAGEMENT STRUCTURE

5. A written, signed statement delegating authority to the Radiation Safety Officer is attached. Additionally, the exact membership structure of the Radiation Safety Committee is included in the Radiation Safety Program attachment.

6. A written, signed statement confirming that the RSO has been allotted sufficient time to perform his duties is attached.

7. Site tours by the Radiation Safety Officer and meetings with the site coordinators will be conducted on a monthly basis. Any and all radiation safety issues or suspected unsafe practices will be reported to the Radiation Safety Officer who will evaluate the situation and inform senior management if required. Site management will be responsible for the day to day operations of each individual site. Each site manager is responsible for IMMEDIATELY reporting directly to the RSO, any radiation safety incidents that occur.

   The management will respond to any and all incidents in accordance with NRC regulations.

8. An outside consulting firm has been retained to review the radiation safety program at each site on a quaterly basis. The consulting firm is responsible to the facility management. We confirm that all program audits performed by either the RSO or Consultant will be presented to the Radiation Safety Committee. As noted, senior management is a member of the stated committee.

9. The chain of authority to assure regulatory compliance is noted in the appended Radiation Safety Program Management Structure chart.

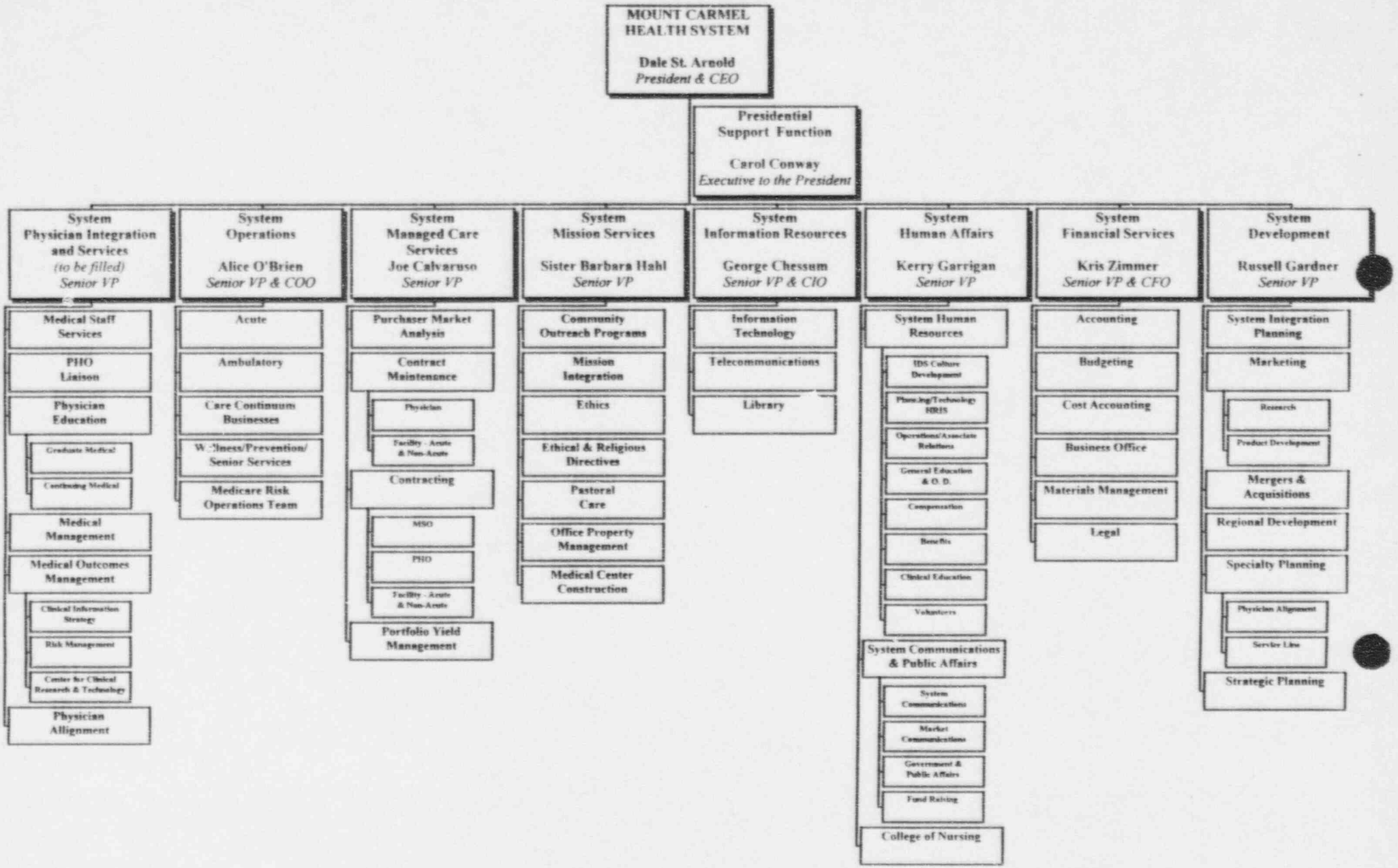
10. Written documentation of the Radiation Safety Officer's duties is appended. We confirm site personnel may be enlisted to assit the RSO; however, the authority and responsibility of any tasks performed by the site personnel remains with the RSO.

Thank you for your attention to these matters.

Sincerely,

Dale St. Arnold
President and Chief Executive Officer

MOUNT CARMEL HEALTH SYSTEM
Organization Chart

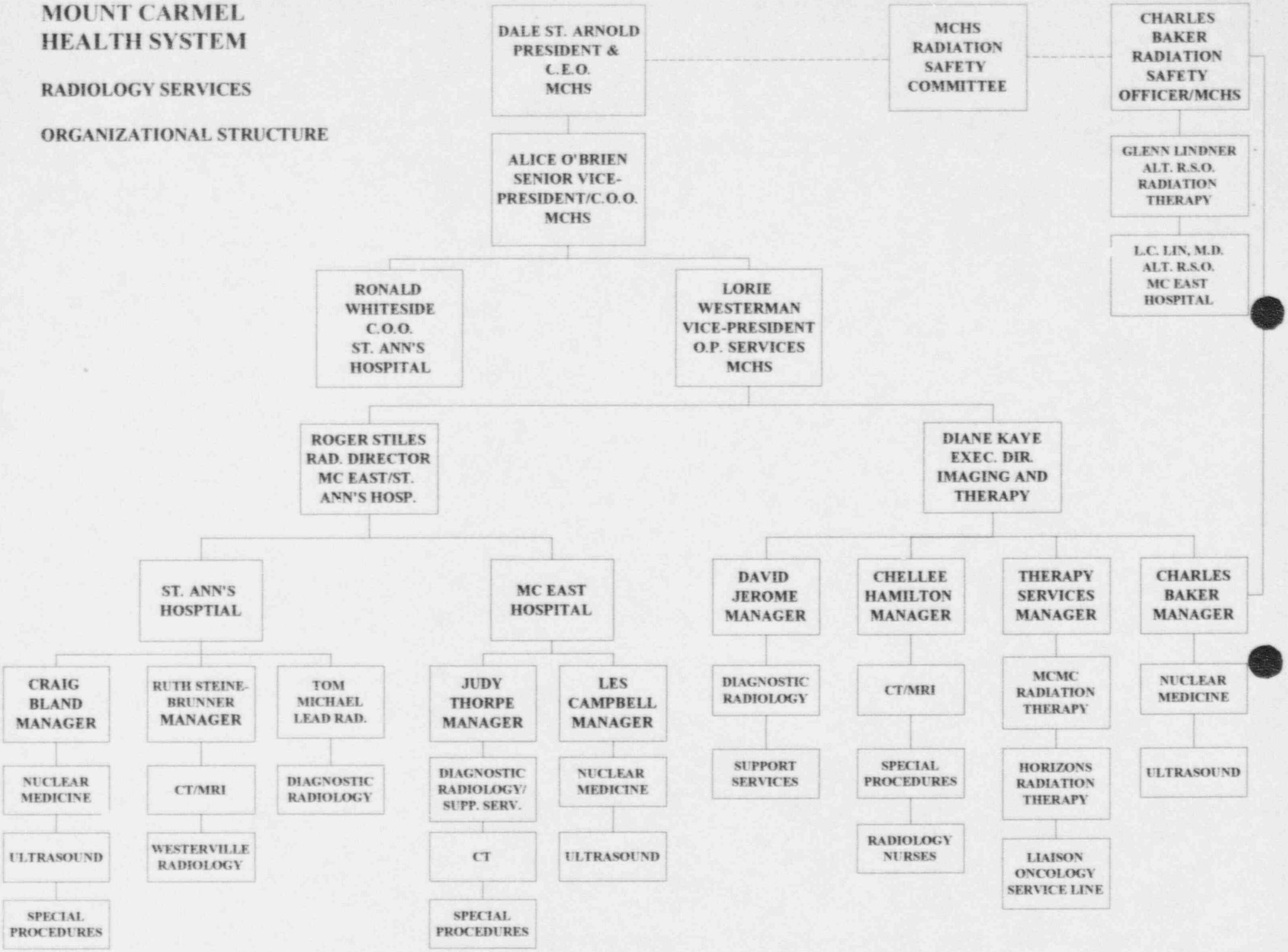


Dale St. Arnold - 01/22/96

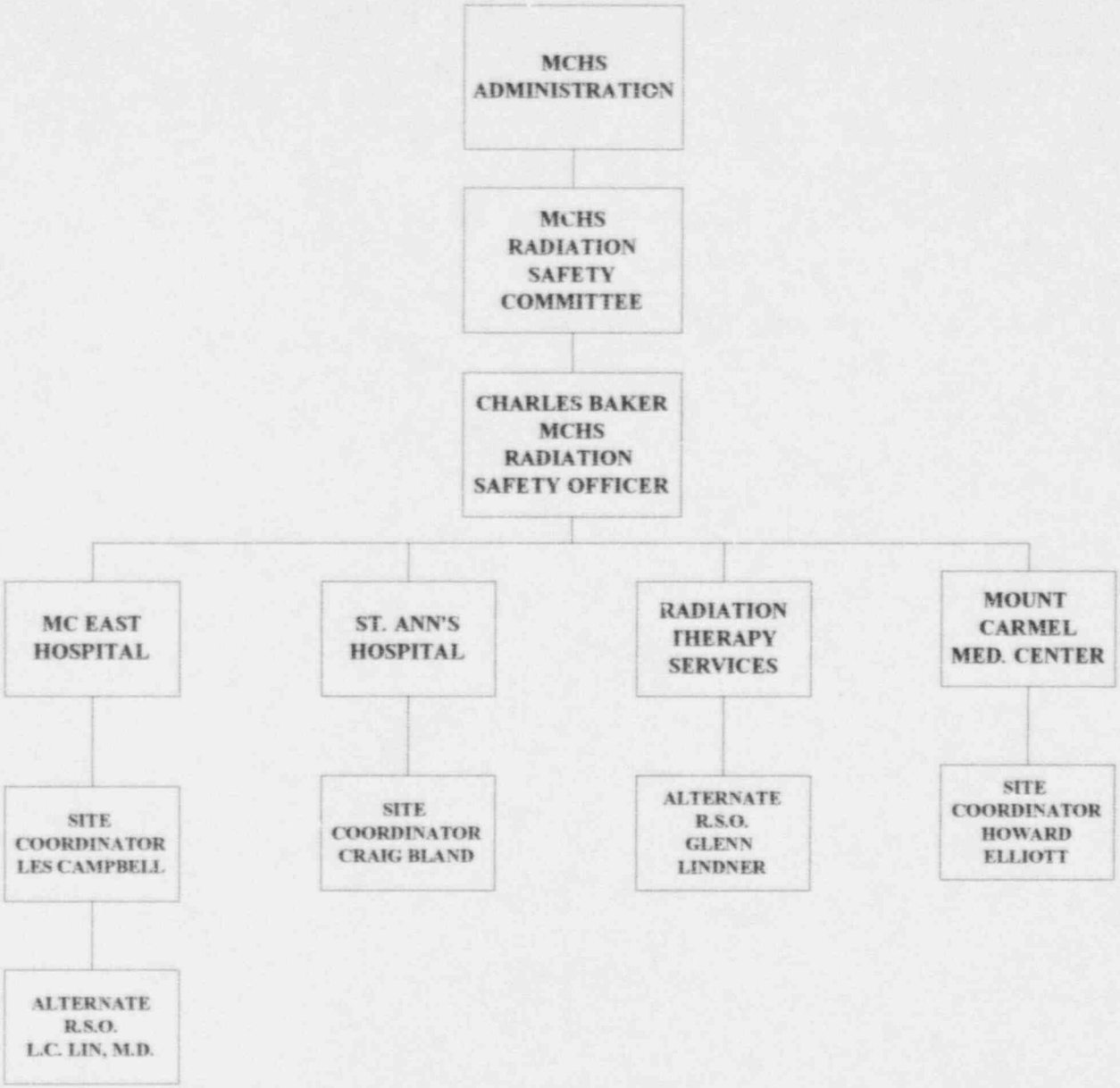
MOUNT CARMEL HEALTH SYSTEM

RADIOLOGY SERVICES

ORGANIZATIONAL STRUCTURE



MOUNT CARMEL HEALTH SYSTEM
RADIATION SAFETY PROGRAM MANAGEMENT STRUCTURE



MOUNT CARMEL
HEALTH SYSTEM
"The Spirit of Life"

793 West State Street • Columbus, Ohio 43222-1560 • (614) 234-5000

September 30, 1996

U.S. Nuclear Regulatory Commission
Region III
801 Warrenville Road
Lisle, Illinois 60532-4351

RE: License No. 34-00774-04

To Whom It May Concern,

Let this letter serve as documentation that Mr. Charles Baker has the full support of this administration in regard to his duties as Radiation Safety Officer, Mount Carmel Health System.

Mr. Baker is currently listed and serving as Radiation Safety Officer, Mount Carmel Health System on the current license. With the addition of St. Ann's Hospital to this license, Mr. Baker would be delegated to perform all of the duties of the Radiation Safety Officer as outlined. These duties would include responsibility for managing the radiation safety program; identifying radiation safety problems; initiating, recommending, or providing corrective actions; verifying implementation of corrective actions; and ensuring compliance with regulations. He will be responsible for assisting the Mount Carmel Health System Radiation Safety Committee in the performance of its duties.

Thank you for your attention to this matter.

Sincerely,

Dale St. Arnold
President & Chief Executive Officer

MOUNT CARMEL
HEALTH SYSTEM
"The Spirit of Life"

793 West State Street • Columbus, Ohio 43222-1560 • (614) 234-5000

September 30, 1996

U.S. Nuclear Regulatory Commission
Region III
801 Warrenville Road
Lisle, Illinois 60532-4351

RE: License No. 34-00774-04

To Whom It May Concern,

Let this letter serve as documentation that Mr. Charles Baker will be delegated the necessary amount of time to perform his duties as Radiation Safety Officer, Mount Carmel Health System.

I am in the process of shifting the management responsibilities of Mr. Baker to allow him the opportunity to devote the majority of his time (minimum of 60%) to the management of the radiation safety program.

I recognize the importance of the radiation safety program and Mr. Baker has the full support of this administration.

Thank you for your attention to this matter.

Sincerely,

Lorie Westerman

Lorie Westerman
Vice-President, Outpatient Services

MOUNT CARMEL HEALTH SYSTEM
ADDENDUM TO
STANDARD JOB DESCRIPTION

FOR HUMAN RESOURCES DEPARTMENT USE:
JOB CODE: 180 COST CENTER: 2729

JOB TITLE: RADIATION SAFETY OFFICER
DATE WRITTEN/REVISED: 8/96
DEPARTMENT: RADIOLOGY

Essential Position Responsibilities (Key Results Areas): (Work to be performed)

1. Responsible for management, development, and monitoring of all aspects of the radiation safety program in partnership with the system Radiation Safety Committee.

2. Has the authority to deal directly with all facilities, departments, and physicians in matters related to radiation safety.

3. Responsible for development of organizational controls to assure compliance of radiation safety practices with all regulatory agencies.

4. Develops, recommends, and implements policies and procedures for the radiation safety program.

5. Responsible for the development and facilitation of the radiation safety continuing education process.

6. Responsible for management and monitoring of the system radiation dosimetry monitoring program to ensure that radiation exposures are maintained "As Low As Reasonably Achievable" (ALARA).

7. Works in conjunction with Clinical Engineering Services to facilitate the management of radiation producing equipment as it relates to state and federal regulatory radiation safety guidelines.

REVIEW AND APPROVAL SIGNATURES:

Prepared by: Charles T. Baker Date: 8/96

Reviewed by: Diane M. Kaye Date: 8/96

Approved by: Lorie Westerman Date: 9/96

MOUNT CARMEL HEALTH SYSTEM
ORGANIZATIONAL RADIATION SAFETY PROGRAM

Establish an organizational Radiation Safety program that will accomplish the following.

1. Formation of a MCHS Radiation Safety Committee. Consists of two types of membership.

   A. Quorum Membership (recognized by the Nuclear Regulatory Commission).

      -Glenn Carney, M.D., Chairman (MCMC/St. Ann's)
      -Charles Baker, Radiation Safety Officer
      -Diane Kaye, Administration
      -Louis Rivello, M.D. (Radiation Oncology)
      -Jo Miller, R.N. (MCMC)
      -St. Ann's Nursing Representative

   B. Associate Membership.

      -L.C. Lin, M.D. Assistant R.S.O. (MC East)
      -Glenn Lindner, Physicist, Assistant R.S.O. (Radiation Oncology)
      -Joe Kowalski, Physicist, Radiation Oncology
      -Wayne Beaver, M.D.
      -Ralph Roach, M.D.
      -Les Campbell, Nuclear Medicine, MC East
      -Craig Bland, Nuclear Medicine, St. Ann's
      -Susan Adams, Radiation Oncology, MCMC
      -Roger Stiles, Administration, St. Ann's/MC East

2. Establish a system Radiation Safety Officer.

   A. We are proposing the integration of Radiation Oncology services, there will be a shift in the management responsibilities to free up Chuck Baker as MCHS Radiation Safety Officer to manage the system Radiation Safety program in partnership with the Radiation Safety Committee.

   B. R.S.O. Responsibilities (See Attachment #1)

3. MCHS Radiation Safety program would incorporate the following entities.

   A. Mount Carmel Medical Center
   B. Mount Carmel East Hospital
   C. St. Ann's Hospital
   D. Ambulatory Surgery Centers

4. Standardize Radiation Safety practices at all MCHS facilities.

   Implement system policies and procedures that would set guidelines for the system Radiation Safety program. This would be a function of the R.S.O. and Radiation Safety Committee.

5. Integrate MCHS N.R.C. licensure under one system license. This has a potential savings of $7,000 per year.

   A. Terminate St. Ann's license.
   B. Add St. Ann's to existing Mount Carmel Health System license.
   C. Change the scope of the MCHS license to give the Radiation Safety Committee the authority to add/delete authorized users.

6. Establish a system radiation dosimeter monitoring program.

   A. Allow R.S.O. to review "All" radiation dosimeter reports (recommendation of JCAHO).
   B. Central location for all dosimeter reports and related records.
   C. Issue all notices/investigations for radiation exposure exceeding institutional radiation exposure levels.
   D. Work with on-site associates at each facility to assist with dosimeter distribution and maintenance.
   E. Establish a facility/department dosimeter coding system.

7. Establish a Radiation Safety continuing education program.

   A. Establish standardized continuing education inservices for various departments/services.
   B. Customize continuing education inservices to meet the needs of various services including physicians.
   C Provide accredited continuing education Radiation Safety programs.
   D. Extend the annual general associate hospital Radiation Safety inservices to all facilities.

8. Establish an equipment monitoring program in conjunction with Clinical Engineering Services to ensure that radiation producing equipment is calibrated and surveyed by a qualified expert on a routine basis in accordance with state regulations. (See Attachment #1)

RADIATION SAFETY OFFICER RESPONSIBILITIES

Radiation Dosimeter Monitoring Program

-Review all radiation dosimeter exposure reports.
-Incorporate ambulatory surgery centers under this monitoring program.
-Establish a dosimeter identification coding system for all facilities and departments.
-Evaluate and monitor specific areas under this program and issue recommendations for participants routinely exceeding institutional radiation exposure levels.

Nuclear Medicine Radiation Therapy Program Management

-Work with consulting physicists (National Physics Consultants and Mid-Ohio Physics) to monitor these services to ensure continuing compliance with state and federal regulations.
-At a minimum, make monthly on-site visits to each department to review and sign required records.
-Establish a Radiation Safety program management team to assist the R.S.O. in the on-site management of the Radiation Safety program and standardize record keeping on the NMIS and address other issues.
-Identifying radiation safety problems; initi..ting, recommending, or providing actions; verifying implementation of corrective actions.

Radiation Safety Continuing Education

-Establish standardized radiation safety continuing education for associate orientations, annual regulatory inservices, and annual general associate inservices.
-Incorporate family practice centers and ambulatory surgery centers under this program.

Radiation Equipment Management Program

-Work with Clinical Engineering services and consulting physicist to ensure that radiation producing equipment is calibrated and checked periodically by a qualified expert in accordance with state regulations.
-Work with Clinical Engineering services to set up a "new equipment" program that will set standards for acceptance testing and the state and federal documentation process for newly installed radiation producing equipment.

Other

-Maintain state and federal licensure records.
-Serve on MCHS Hospital Safety Committee.
-Assist the Mount Carmel Health System Radiation Safety Committee in the performance of its duties.

ATTACHMENT 1

CONVERSATION RECORD

TIME | DATE
9/27/96

O VISIT O CONFERENCE × TELEPHONE

O INCOMING
× OUTGOING

NAME OF PERSON(S) CONTACTED OR IN CONTACT	ORGANIZATION (OFFICE, DEPT.ETC.)	TELEPHONE NO.
Sharon Long, Consultant	Mount Carmel Health System	330/966-7548

SUBJECT
License No. 34-00774-04

SUMMARY
I requested the following information in regards to amendment request dated July 26, 1996:

1. Confirmation that nuc med space will not be released for unrestricted use until a close-out survey is submitted and reviewed.

2. Confirmation that RSC will only name authorized users in accordance with 10 CFR Part 35, Subpart J.

3. Confirmation that St. Ann's will follow all of the radiation safety policies and procedures that are currently applicable to Mount Carmel Health System.

4. Inquired as to whether the St. Ann's facility will be released for unrestricted use. Ms. Long stated that the facility will not be released for unrestricted use and that the survey was submitted to illustrate that no residual contamination existed before St. Ann's license was terminated and merged with Mount Carmel Health System.

5. Faxed Ms. Long a copy of the "Multi Site" P&G and asked that she respond to the asterisk marked items.

6. Inquired as to whether the RSO's will remain the same. Ms. Long stated that they would remain the same as listed on Mount Carmel's license. She also stated that the availability of the RSO will be documented in the response.

Ms. Long stated that she would forward the aforementioned information ASAP.

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATI	SIGNATURE	DATE
Richard Watson		9/27/96

ACTION TAKEN

SIGNATURE	TITLE	DATE