

MATERIALS LICENSE

Amendment No. 28

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.

301788

Licensee

1. Lafayette Home Hospital
2. 2400 South Street
Lafayette, IN 47904-3027

In accordance with letter dated
August 14, 1996

3. License Number 13-09788-01 is amended in
its entirety to read as follows:

4. Expiration Date September 30, 2003

5. Docket or
Reference No. 030-01642

6. Byproduct, Source, and/or
Special Nuclear Material7. Chemical and/or Physical
Form8. 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
I-131)

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.

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2 mc
30
50

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

13-09788-01

Docket or Reference Number

030-01642

Amendment No. 28

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 2400 South Street, Lafayette, Indiana.
11. Radiation Safety Officer: John A. Knote, 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 UsersMaterial and Use

A. William J. Miller, M.D.	10 CFR 35.100, 35.200 and 35.300
B. John A. Knote, M.D.	10 CFR 35.100, 35.200 and 35.300
C. John W. Remo, M.D.	10 CFR 35.100, 35.200 and 35.300
D. Glen A. Tuckman, M.D.	10 CFR 35.100, 35.200 and iodine-131 for treatment of hyperthyroidism and thyroid carcinoma
E. David R. Schmidt, M.D.	10 CFR 35.200 limited to cardiovascular clinical procedures
F. Phyllis Martin-Simmerman, M.D.	10 CFR 35.100, 35.200 and 35.300
G. Jeffrey S. Cahoon, M.D.	10 CFR 35.100, 35.200 and 35.300
H. Mark C. Arvin, M.D.	10 CFR 35.100, 35.200 and 35.300
I. Koreen Kay Ballhagen-Potts, M.D.	10 CFR 35.100, 35.200 and 35.300
J. Joseph C. George, M.D.	10 CFR 35.100, 35.200 and 35.300
K. Geilan Ismail, M.D.	10 CFR 35.200 limited to cardiovascular clinical procedures
L. Laurian Mark Dean, M.D.	10 CFR 35.100, 35.200 and 35.300
M. Robert L. Panther, M.D.	10 CFR 35.200 limited to cardiovascular clinical procedures

COPY

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

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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 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 August 20, 1993; and
- B. Letters dated March 22, 1994 and May 2, 1994.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

November 20, 1996

By

Gidist Watson
Nuclear Materials Licensing Branch, Region III

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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
Exp. Date: 20030930
Fee Comments: CODE 23
Decom Fin Assur Req'd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: LAFAYETTE HOME HOSPITAL
Received Date: 960903
Docket No: 3001642
Control No.: 301788
License No.: 13-09788-01
Action Type: Amendment

2. FEE ATTACHED

Amount: 440
Check No.: 223583

3. COMMENTS

Signed
Date

D. Hersey
9-7-96

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
Date

SC
9/16/96

SEP 19 1996

Log	Sept 2 711
Remitter	
Check No.	223583
Amount	440
Fee Category	7C
Type of Fee	AMD
Date Check Rec'd	9/12/96
Date Completed	9/16/96
By:	SC



August 14, 1996

U. S. Nuclear Regulatory Commission
Region III
Materials Licensing Section
801 Warrendale Road
Lisle, Illinois 60532-4351

Re: Amendment 13-09788-01

Dear Sirs:

We wish to amend our Materials License 13-09788-01 as follows:

AUTHORIZED USERS

ADD:

Physician

Robert L. Panther, M.D.

Authorized Use

10 CFR 35.200, limited to
cardiovascular procedures.

We have enclosed a "Training and Experience with Radioactive Material" form as well as a signed "Preceptor Statement" for the physician noted above.

We have enclosed our hospital check in the amount of \$440.00 as our amendment fee per 10 CFR 170.

Sincerely,

A handwritten signature in cursive script that reads 'John P. Walling'.

John P. Walling
President-CEO

pm 8-29-96

2400 South Street, Lafayette, Indiana 47904-3027
Telephone (317) 447-6811

RECEIVED
SEP 03 1996
REGION III

301788

SUBSTITUTE NRC 313 M
SUPPLEMENT A

TRAINING OF AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER:

*Robert L. Panther*2. STATE OR TERRITORY
IN WHICH LICENSED TO
PRACTICE MEDICINE*IND*

ADDRESS:

*20 Jester Ct
Lafayette, Indiana
47905*

3. CERTIFICATION

1

A. SPECIALTY BOARD

Internal Med

B. CATEGORY

Board Eligible Cardiology

C. MONTH AND YEAR CERTIFIED

1993

4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES

A. Field of Training

B. Location(s) and Date(s) of Training

C. Type and Length of Training

35.920(b)(1) and 35.92(b)(1) error Rf

The dates of the classes are
given on the attached
Certificates of
Completion / Competency

LECTURE LABORATORY COURSES
(Hours)a) RADIATION PHYSICS AND
INSTRUMENTATION

b) RADIATION PROTECTION

c) MATHEMATICS PERTAINING TO
THE USE AND MANAGEMENT OF
RADIOACTIVITY

d) RADIATION BIOLOGY

e) RADIOPHARMACEUTICAL
CHEMISTRY

Institute for Nuclear Medical Education, Inc.
Certified as Approved by the Colorado
Department of Higher Education
ACCET
ACE
AAHP
NUSPEX

Principles of Radiation	Medical Radiation Instrumentation	Medical Radiation Protection	Radiopharmaceuticals and Chemistry	Total Hours of Subject
39	31	8	22	100
2	4	20	4	30
5	6	6	3	20
2	3	12	3	20
2	6	4	18	30

5. EXPERIENCE WITH RADIATION (Actual use of Radioisotopes or Equivalent Experience)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
<i>Tl-201</i>	<i>4 mCi</i>	See the attached statement of experience		
<i>Tc-99m</i>	<i>30 mCi</i>			

6. TRAINING WAS COMPLETED UNDER THE DIRECT SUPERVISION OF:

NAME: Institute for Nuclear Medical Education, Inc.ADDRESS: 5171 Eldorado Springs DriveCITY: Boulder ST: Colorado ZIP: 80303TELEPHONE: 303-499-4099

Authorized Signature

PRECEPTOR STATEMENT

Supplement B must be completed by the applicant physician's preceptor. If more than one preceptor is necessary to document experience, obtain a separate statement from each.

1. APPLICANT PHYSICIAN'S NAME AND ADDRESS

FULL NAME

Robert L. Panther

STREET ADDRESS

20 Jester Ct.

CITY

Lafayette

STATE

IN

ZIP CODE

47905

KEY TO COLUMN C

PERSONAL PARTICIPATION SHOULD CONSIST OF:

1-Supervised examination of patients to determine the suitability for radioisotope diagnosis and/or treatment and recommendation for prescribed dosage.

2-Collaboration in dose calibration and actual administration of dose to the patient including calculation of the radiation dose, related measurements and plotting of data.

3-Adequate period of training to enable physician to manage radioactive patients and follow patients through diagnosis and/or course of treatment.

2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets.) D
I-131 or I-125	DIAGNOSIS OF THYROID FUNCTION	0	
	DETERMINATION OF BLOOD AND BLOOD PLASMA VOLUME	0	
	LIVER FUNCTION STUDIES	0	
	FAT ABSORPTION STUDIES	0	
	KIDNEY FUNCTION STUDIES	0	
	IN VITRO STUDIES	0	
OTHER		0	
I-125	DETECTION OF THROMBOSIS	0	
I-131	THYROID IMAGING	0	
P-32	EYE TUMOR LOCALIZATION	0	
Se-75	PANCREAS IMAGING	0	
Yb-169	CISTERNOGRAPHY	0	
Xe-133	BLOOD FLOW STUDIES AND PULMONARY FUNCTION STUDIES	0	
OTHER			
Tc-99m	BRAIN IMAGING	0	
	CARDIAC IMAGING	1800	
	THYROID IMAGING	0	
	SALIVARY GLAND IMAGING	0	
	BLOOD POOL IMAGING	1150	
	PLACENTA LOCALIZATION	0	
	LIVER AND SPLEEN IMAGING	0	
	LUNG IMAGING	0	
	BONE IMAGING	0	
OTHER			

PRECEPTOR STATEMENT (Continue)

2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN (Continued)

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets.) D
P-32 (Soluble)	TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES	0	
P-32 (Colloidal)	INTRACAVITARY TREATMENT	0	
I-131	TREATMENT OF THYROID CARCINOMA	0	
	TREATMENT OF HYPERTHYROIDISM	0	
Au-198	INTRACAVITARY TREATMENT	0	
Co-60 or Cs-137	INTERSTITIAL TREATMENT	0	
	INTRACAVITARY TREATMENT	0	
I-125 or Ir-192	INTERSTITIAL TREATMENT	0	
Co-60 or Cs-137	TELE THERAPY TREATMENT	0	
Sr-90	TREATMENT OF EYE DISEASE	0	
	RADIOPHARMACEUTICAL PREPARATION	0	
Mo-99/ Tc-99m	GENERATOR	100	
Sn-113/ In-113m	GENERATOR	100	
Tc-99m	REAGENT KITS	100	
Other			

3. DATES AND TOTAL NUMBER OF HOURS RECEIVED IN CLINICAL RADIOISOTOPE TRAINING

JULY 1, 1993 - JUNE 30 1996

TOTAL HOURS >500

4. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF:

a. NAME OF SUPERVISOR

Rami A. GAL, MD

b. NAME OF INSTITUTION

MILWAUKEE HEART INSTITUTE

c. MAILING ADDRESS

960 NORTH 12TH STREET

d. CITY

MILWAUKEE, WI - 53209

5. MATERIALS LICENSE NUMBER(S)

48-03280-01 ; 10 CFR 35.100+35.200

6. PRECEPTOR'S SIGNATURE

Rami A. GAL

7. PRECEPTOR'S NAME (Please type or print)

Rami A. GAL

8. DATE

7.23.96



UNIVERSITY OF WISCONSIN MEDICAL SCHOOL

Milwaukee Clinical Campus

Department of Medicine
Section of Cardiovascular Diseases

July 1, 1996

To Whom It May Concern:

Robert Panther, M.D. gained experience, in both health physics and clinical procedures, in our institution from July 1, 1993 to June 30, 1996. During this period of time, Dr. Panther actively participated in the following number of procedures:

Cardiac Perfusion Studies	1800
Stress First Pass Radionuclide Angiograms	325
Rest First Pass Radionuclide Angiograms	700
PYP Scans	4
Rest Muga	130

The total number of hours spent on basic nuclear medicine was greater than 500 hours: (1) Ordering, receiving, and unpacking radioactive materials safely. (2) Calibrating dose calibrators and diagnostic instruments. (3) Calculating and safely preparing patient dosages. (4) Using administrative controls to prevent the misadministration of byproduct material. (5) Using procedures to contain spilled byproduct material safely and using proper decontamination procedures.

The total number of hours of clinical experience in nuclear cardiology during this period was also greater than 500 hours. This involved review of over 1,000 cases. Training included: (1) Examining patients and reviewing their case histories to determine their suitability for radioisotope diagnosis, limitations, or contraindications. (2) Selecting the suitable radiopharmaceuticals and calculating and measuring the dosage. (3) Administering dosages to patients and using syringe radiation shields. (4) Collaborating with the authorized user in the interpretation of radioisotope test results. (5) Patient follow-up.

Sincerely,

Rami A. Gal, M.D. F.A.C.C.
Director, Cardiac Imaging
Milwaukee Heart Institute

Affiliated with Sinai Samaritan Medical Center
Milwaukee Heart Institute
960 North Twelfth Street
Milwaukee, Wisconsin 53201-0342

NUCLEAR MEDICAL EDUCATION PROGRAM

Affidavit of Academic Completion and Competency

This document is to attest that

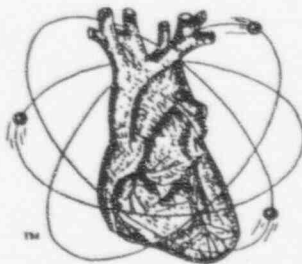
ROBERT L. PANTHER, M.D.

has successfully completed the didactic program

PRINCIPLES OF RADIATION PHYSICS

and has provided evidence of attendance in this program and evidence of achieving the objectives of this program through examination.

This program provides the following levels of accomplishment:



- 50 Didactic Instructional Hours (DIH)
(In compliance with 10CFR35)
- 5 Continuing Education Units (CEU)
- 50 Continuing Medical Education (CME)
- 50 Technical/Professional Credit specified by the
American Pharmaceutical Association and the
American Association of Health Physicists*

*additional documentation will be provided to Regulatory Agencies upon participant request

4 March 1995

Date Class Commenced

Authorized Signature

190448

Affidavit of Competency

INSTITUTE FOR NUCLEAR MEDICAL EDUCATION

5171 Eldorado Springs Drive, Boulder, CO 80303 — 800-548-4024

1132 INME 8/94

Certified, Approved and Regulated by the Division of Private Occupational Schools, Department of Higher Education in Colorado. Validated by the Accrediting Commission of the Accrediting Council for Continuing Education Training, a national accrediting agency listed by the US Secretary of Education. Validated by the American Council on Education, recognized by the American Association for Collegiate Registrars, Council on Post-Secondary Education.

NUCLEAR MEDICAL EDUCATION PROGRAM

Affidavit of Academic Completion and Competency

This document is to attest that

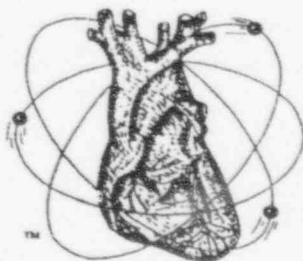
ROBERT PANTHER, MD

has successfully completed the didactic program

MEDICAL RADIATION PROTECTION

and has provided evidence of attendance in this program and evidence of achieving the objectives of this program through examination.

This program provides the following levels of accomplishment:



- 50 Didactic Instructional Hours (DIH)
(In compliance with 10CFR35)
- 5 Continuing Education Units (CEU)
- 50 Continuing Medical Education (CME)
- 50 Technical/Professional Credit specified by the
American Pharmaceutical Association and the
American Association of Health Physicists*

*additional documentation will be provided to Regulatory Agencies upon participant request

14 October, 1995
Date Class Commenced

Authorized Signature

190501

Affidavit of Competency

INSTITUTE FOR NUCLEAR MEDICAL EDUCATION

5171 Eldorado Springs Drive, Boulder, CO 80303 — 800-548-4024

1132 INME 5/94

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NUCLEAR MEDICAL EDUCATION PROGRAM

Affidavit of Academic Completion and Competency

This document is to attest that

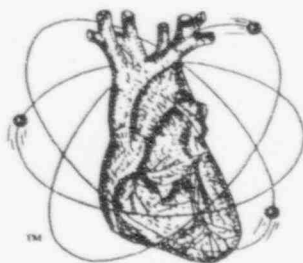
ROBERT L. PANTHER., M.D.

has successfully completed the didactic program

MEDICAL RADIATION INSTRUMENTATION

and has provided evidence of attendance in this program and evidence of achieving the objectives of this program through examination.

This program provides the following levels of accomplishment:



- 50 Didactic Instructional Hours (DIH)
(In compliance with 10CFR35)
- 5 Continuing Education Units (CEU)
- 50 Continuing Medical Education (CME)
- 50 Technical/Professional Credit specified by the
American Pharmaceutical Association and the
American Association of Health Physicists*

*additional documentation will be provided to Regulatory Agencies upon participant request

13 March 1996

Date Class Commenced

Authorized Signature

191156

Affidavit of Competency

INSTITUTE FOR NUCLEAR MEDICAL EDUCATION

5171 Eldorado Springs Drive, Boulder, CO 80303 — 800-548-4024

1132 INME 8/94

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NUCLEAR MEDICAL EDUCATION PROGRAM

Affidavit of Academic Completion and Competency

This document is to attest that

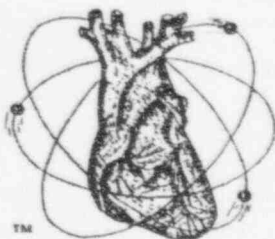
ROBERT L. PANTHER, M.D.

has successfully completed the didactic program

RADIOPHARMACEUTICALS AND CHEMISTRY

and has provided evidence of attendance in this program and evidence of achieving the objectives of this program through examination.

This program provides the following levels of accomplishment:



- 50 Didactic Instructional Hours (DIH)
(In compliance with 10CFR35 and Agreement States)
- 5 Continuing Education Units (CEU)
- 50 Technical/Professional Credit specified by the
American Pharmaceutical Association and the
American Association of Health Physicists*

*Additional documentation will be provided to Regulatory Agencies upon participant request

A handwritten signature in dark ink, appearing to read 'R. L. Panther'.

Authorized Signature

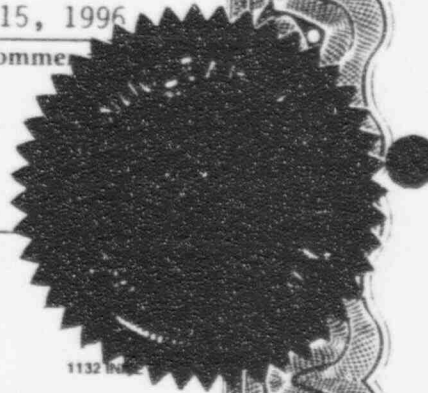
June 15, 1996
Date Class Commenced

Affidavit of Competency

Institute for Nuclear Medical Education

5660 Airport Blvd., Suite 101, Boulder, Colorado 80301 — 800-548-4024

Certified, Approved and Regulated by the Division of Private Occupational Schools, Department of Higher Education in Colorado. Validated by the Accrediting Commission of the Accrediting Council for Continuing Education Training, a national accrediting agency listed by the US Secretary of Education. Validated by the American Council on Education, recognized by the American Association for Collegiate Registrars, Council on Post-Secondary Education.



NOV 21 1996

John R. Walling
President - CEO
Lafayette Home Hospital
2400 South Street
Lafayette, IN 47904-3027

Dear Mr. Walling:

Enclosed is Amendment No. 28 to your NRC Material License No. 13-09788-01 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 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).

301788

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,

J. Walling

-3-

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.: 13-09788-01

Docket No.: 030-01642

Enclosure: Amendment No. 28

DOCUMENT NAME: M:\03001642.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:jaw								
DATE	10/2/96 GW								

//

OFFICIAL RECORD COPY