NRC FORM 374
(7-94)

U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

Amendment No. 19

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.

301607

Licensee	
1. NMC Diagnostic Services, Inc. 2. 15034 W. 106th Street Lenexa, KS 66215	In accordance with the letter dated June 17, 1996 3. License Number 15-24485-01 is amended in its entirety as follows: 4. Expiration Date July 31, 2001 5. Docket or Reference No. 030-18665

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

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. A. Licensed material shall be received, stored and used at the licensee's facilities located at 615 South 13 Highway, Lexington, Missouri.

B. Licensed material (excluding generators) may be used at temporary job sites of medical care facilities anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.

11. Radiation Safety Officer: Audrey V. Wegst, Ph.D.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
15-24485-01

Docket or Reference Number
030-18665

Amendment No. 19

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.	John F. Rose, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
B.	Kenneth M. Kays, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
C.	Robert MacNaughton, II, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
D.	James R. Farkas, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
E.	Charles W. Blackwell, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
F.	Robert MacNaughton, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
G.	L. D. Furlong, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
H.	Rodney C. Hartman, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
I.	John H. Bartow, D.O.	10 CFR 35.100 and 35.200 (excluding xenon-133).
J.	.Harold C. Sanders, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
K.	H. T. Lee, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
L.	Stephen W. Phillips, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
M.	Charles M. Swaney, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
N.	Nestor R. Canoy, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
O.	James P. Anthony, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
P.	Paul Williams, D.O.	10 CFR 35.100 and 35.200 (excluding xenon-133).
Q.	John Dykstra, D.O.	10 CFR 35.100 and 35.200 (excluding generators and xenon-133).
R.	Charles F. Schwab, D.O.	10 CFR 35.100 and 35.200 (excluding generators and xenon-133).

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number: 15-24485-01
Docket or Reference Number: 030-18665
Amendment No. 19

Authorized Users	Material and Use
S. Arthur Bristow, D.O.	10 CFR 35.100 and 35.200 (excluding generators and xenon-133).
T. Lee M. Steinberg, M.D.	10 CFR 35.100 and 35.200 (excluding generators and xenon-133).
U. Robert Ricci, D.O.	10 CFR 35.100 and 35.200 (excluding generators and xenon-133).
V. Gerald Finke, D.O.	10 CFR 35.100 and 35.200 (excluding generators and xenon-133).
W. Kenneth E. Jones, D.O.	10 CFR 35.100 and 35.200 (excluding generators and xenon-133).
X. Marshall S. Grillo, D.O.	10 CFR 35.100 and 35.200 (excluding generators and xenon-133).
Y. Jeanne M. DeMotte, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
Z. Luzviminda T. Sicat, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
AA. Eric E. Lubbert, D.O.	10 CFR 35.100 and 35.200 (excluding xenon-133).
BB. Mark D. Zubres, D.O.	10 CFR 35.100 and 35.200 (excluding xenon-133).
CC. David H. Roehrs, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
DD. M. C. Jones, Jr., M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
EE. Larry Nussbaum, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
FF. Premiall Gukhool, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
GG. Mary MacNaughton, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
HH. Jagadishwar Devkota, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
II. Thomas E. Mais, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).
JJ. John H. Cowan, M.D.	10 CFR 35.100 and 35.200 (excluding xenon-133).

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
15-24485-01

Docket or Reference Number
030-18665

Amendment No. 19

Authorized Users	Material and Use
KK. Michael K. Willman, D.O.	10 CFR 35.100 and 35.200 (excluding xenon-133).
LL. Debra Hellinger, D.O.	10 CFR 35.100 and 35.200 (excluding xenon-133).

13. 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."

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 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. Letters dated May 23, 1995 (with attachments) and September 15, 1995; and

    B. Letter received November 17, 1995.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date October 22, 1996

By Evelyn R. Gibson
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: 02220
STATUS CODE: 0
FEE CATEGORY: 7C 2B
EXP. DATE: 20010731
FEE COMMENTS: PLACE OF USE MO
DECOM FIN ASSUR REQD: N

R9

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
   APPLICANT/LICENSEE: NMC DIAGNOSTIC SERVICES, INC.
   RECEIVED DATE: 960717
   DOCKET NO: 3018665
   CONTROL NO.: 301607
   LICENSE NO.: 15-24485-01
   ACTION TYPE: AMENDMENT

2. FEE ATTACHED
   AMOUNT: #440
   CHECK NO.: #3693

3. COMMENTS

SIGNED Joan Kelly
DATE 7-19-96

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

1. FEE CATEGORY AND AMOUNT: 7C 2B #440

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

3. OTHER

SIGNED AC
DATE 7/25/96

RECEIVED
JUL 29 1996
REGION III

Log Jul 14 III
Remitter
Check No. 3693
Amount #440
Fee Category 7C 2B
Type of Fee AMND
Date Check Rec'd 7/22/96
Date Completed 7/25/96
By: AC

nmc Diagnostic Services, Inc.
Midwest Regional Office
15034 W. 106th Street
Lenexa, KS 66215-2052
Tel: (913) 894-9342
(800) 543-2176
Fax: (913) 894-9367

June 17, 1996

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

RE: NRC By-product Materials License No. 15-24485-01

Dear Sirs:

We wish to amend the above license to remove one of the locations of use specified in the License Condition 10,A. The location to be removed is 2500 South Halliburton, Building 3, Room 1A, Kirksville, Missouri. A check for the amendment fee of $440.00 is attached.

This facility has been closed. All radioactive sources and material in decay in storage have been removed to the Lexington, Missouri facility. All radioactive signs and other postings have been removed. The Kirksville facility has been monitored for external contamination levels and wipe tested for contamination. The results of this survey are attached.

If you have any questions, do not hesitate to call.

Sincerely yours,

Dennis R. Brewer

Dennis R. Brewer, CNMT
Area Manager

cc: Audrey Wegst, PhD, RSO
Mark Foley, Regional Manager

PM: 7-16-96 301607

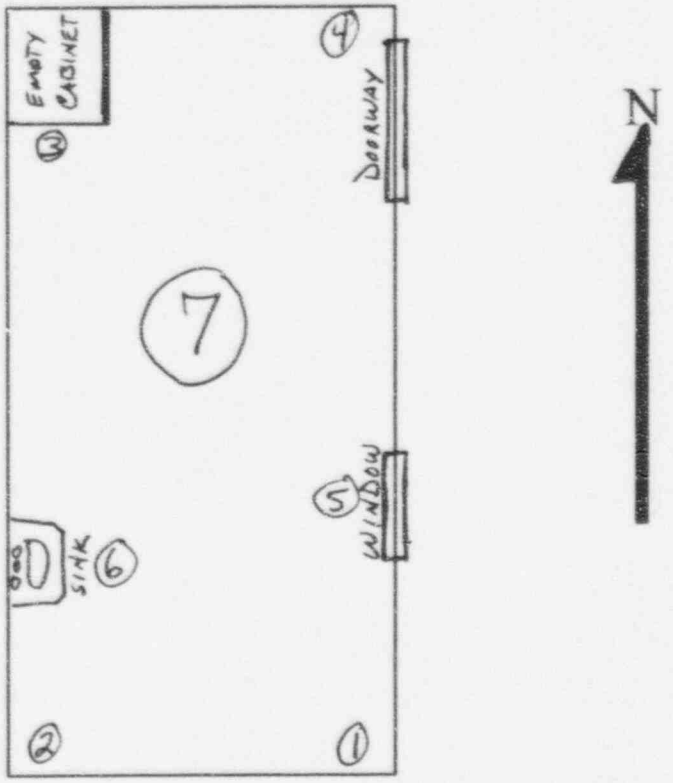
Kirksville location

Exit Survery of 2500 S. Haliburton Building #3 5/29/96

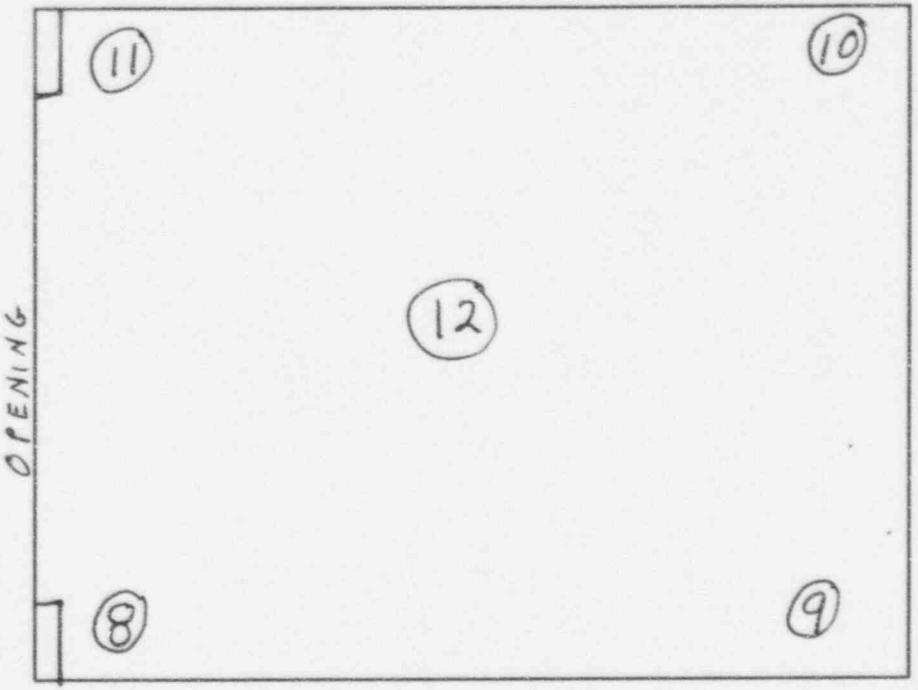
Survery Meter Ludlum # 25043 Model 14C

*** All sources of radioactivity have been removed from the two locations listed below as of 5/29/96.

Building #3, Room #1A (8ft X 16ft)



Garage in Bulding #2, Door #17 (18ft X 14ft)



Survey Areas BKG = 0.01mr/hr

Area #	mr/hr	Swipes(dpm)
1	0.01	0
2	0.01	0
3	0.01	0
4	0.01	0
5	0.01	0
6	0.01	0
7	0.01	0

Area #	mr/hr	Swipes(dpm)
8	0.01	0
9	0.01	0
10	0.01	0
11	0.01	0
12	0.01	0

Conducted by:
Dennis R. Brewer, CNMT
Dennis R. Brewer, CNMT

OCT 2 2 1996

Dennis R. Brewer, CNMT
NMC Diagnostic Services, Inc.
15034 W. 106th Street
Lenexa, KS 66215

Dear Mr. Brewer:

Enclosed is Amendment No. 19 to your NRC Material License No. 15-24485-01 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).

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.

301607

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
Evelyn R. Matson
Nuclear Materials Licensing Branch

License No.: 15-24485-01
Docket No.: 030-18665

Enclosure: Amendment No. 19

DOCUMENT NAME: M:\03018665.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	EMATSON:jaw									
DATE	10/17/96									

OFFICIAL RECORD COPY

nmc Diagnostic Services, Inc.
Midwest Regional Office
15034 W. 106th Street
Lenexa, KS 66215-2052
Tel: (913) 894-9342
(800) 543-2176
Fax: (913) 894-9367

August 23, 1996

Evelyn R. Matson
Nuclear Regulatory Commission
Region III
801 Warrenville Road
Lisle, IL 60532-4351

RE: Control Number 3016

Dear Ms. Matson:

In reply to the phone conversation of August 2, about our license amendment I have the following reply to your questions.

1. The instrument used to analyze the removable contamination wipe tests was a Ludlum 14C (range 0-2000mR/hr) with a Model 44-9 pancake GM detector. The instrument was calibrated May 8, 1996. The calibration certificate is att ached. The window is 1.7mg/cm^2 mica with a diameter of 4.4cm. The active area is 15.5 cm^2. The efficiency is 6% for Tc-99m as measured with a standard Co-57 rod source. The back ground of this instrument is approximately 150 cpm. Assuming one can easily detect 100 cpm over back ground, the minimal detectable activity of the instrument is 1666dpm. Therefore, we could detect the required 2000dpm in the monitoring procedure.

2. The calibration procedure and the last calibration certificate are attached.

3. See the discussion in item 1.

4. The efficiency of detection for Tc-99, is 6%. This was the major radionuclide used in the lab. The efficiency of detection for TL-201 would be slightly higher because of the large number of x-rays emitted per disintegration, and their lower energy. Only one or two doses of thallium were used per week.

Sincerely Yours,

Dennis R. Brewer

Dennis Brewer
Area Manager

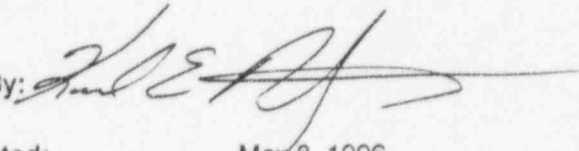
pm: 10-10-96

Certificate of Instrument Calibration

Facility:	NMC Diagnostic Services			**ID #:**	000
Manufacturer:	Ludlum	**Model:**	14c	**Serial No.**	25043
Detector Type:	GM	**Detector Model:**	Pancake	**Serial No.**	8178
Battery Check:	OK	**Dedicated Check Source:**	3.0	**mR/hr**	
Calibration Geometry:	Perpendicular			**Window:**	Closed

Scale Multiplier	Distance (cm)	Calculated Reading	Measured Reading	Correction Factor
X 1000	45.8	1500	1500	1.00
X 1000	79.3	500	480	1.04
X 100	144.7	150	150	1.00
X 100	250.6	50	50	1.00
X 10	328.5	15	14.5	1.03
X 10	374.8	5.0	5.0	1.00
X 1	143.3	1.5	1.5	1.00
X 1	248.1	0.5	0.5	1.00
X 0.1	138.5	0.15	0.15	1.00
X 0.1	239.9	0.05	0.05	1.00

Mid-America Calibrations
5500 Buena Vista
Suite 101
Shawnee Mission, Kansas 66205
913/789-8757

Calibrated By: 

Date Calibrated: May 8, 1996
Date Due: May 8, 1997
Kansas License #: 33-B429-01
Arkansas License #: ARK-625-BP

The above instrument was calibrated with a J.L. Shepherd Model 28-6A, 1.2 Ci Cs-137 calibrator, serial #10018, or a Ludlum Model 500-2 Pulser, serial #127533.
The output is traceable to the NBS (N.I.S.T.) and all instruments are calibrated in accordance with MIL-STD 45662A and ANSI N323-1978.
Pancake probes are calibrated to the back of the probe.

MID-AMERICA CALIBRATIONS
5500 BUENA VISTA
SUITE 101
SHAWNEE MISSION, KS 66205

SURVEY METER CALIBRATION POLICY

Survey meters submitted for calibration shall be calibrated at a minimum, in accordance with the attached Appendix D Procedure from the Licensing Guide for Nuclear Pharmacies. The frequency of calibration will be prior to first use when new, prior to use following repair, and annually unless more frequent calibration is required by license condition or local regulation.

A. All Syncor Survey Meters/Area Monitors must have this calibration performed as follows:

1. The calibration must be performed with a radionuclide source at a distance sufficient to approximate a point source. The source output must have an NBS traceable accuracy of ± 5%.

2. The survey instrument must be calibrated at two (2) separate readings on every scale or range the instrument offers up to one (1) roentgen per hour. One reading should be in the lower half of the scale and one reading in the upper half of the scale and the readings should be separated by at least 50% of full scale.

3. The instrument must be adjusted, if possible, to provide readings on all calibrated scales or ranges within ± 10% of the true value.

   NOTE: READINGS GREATER THAN ± 10%, BUT LESS THAN ± 20%, WILL BE CONSIDERED ACCEPTABLE, IF A CALIBRATION CHART, GRAPH (PREFERABLE), OR RESPONSE FACTOR IS PREPARED AND ATTACHED TO THE INSTRUMENT.

4. All survey instruments reading in CPM only must have a conversion graph or table supplied relating CPM on each scale to milliroentgen per hour.

5. If higher scales are not checked or calibrated, and appropriate precautionary note must be posted on the instrument.

B. The following must be supplied with each calibrated instrument:

1. A sticker must be placed on the survey instrument indicating:

   a. The date of calibration.
   b. The date for the next required calibration.
   c. The name or initials of the individual performing the calibration.
   d. The exposure rate from a dedicated check source.
   e. The appropriate graph or chart if the indicated exposure rate differs from the calculated exposure rate by more than 10%, and less than 20%.

2. A calibration certificate which contains:

   a. The date of calibration.
   b. A description of the source used.
   c. Orientation of the instrument or probe relative to the source during calibration.
   d. The certified exposure rates from the source.
   e. The exposure rates indicated by the instrument being calibrated.
   f. The correction factors deduced from the calibration data.
   g. The signature of the individual who performed the calibration.
   h. The exposure rate from the dedicated check source.

3. In order to comply with 10 CFR 35.51(d)1, each Syncor location will need to have a description of the calibration procedure on file for inspection by the NRC/Agreement State. This procedure must indicate probe configuration, i.e., if a pancake probe is calibrated from the back, that a side window probe is calibrated with the window closed, or that an end window probe is calibrated from the side, etc.

   NOTE: Syncor calibration labs routinely calibrate pancake probes with the non-window side (back) of the probe perpendicular to the horizontal axis of the primary radiation beam.

An informational page from Ludlum Measurements, Inc. is attached to these procedures since many Ludlum instruments are used in Syncor facilities.

APPENDIX D

PROCEDURES FOR CALIBRATION OF SURVEY INSTRUMENTS

1. Calibration of survey meters will be performed with radionuclide sources.

   a. The sources will be approximate point sources.

   b. The source used will be one of those listed in Table D-1.

Table D-1

SOURCES USED FOR SURVEY INSTRUMENT CALIBRATION

Radionuclide	Minimum Activity (To give at least 700 milliroentgens per hour at 20 cm)
Cesium-137	85 millicuries
Cobalt-60	21 millicuries
Radium-226	34 millicuries

   c. The source activities or exposure rates at given distances will be traceable by documented measurements to a standard source certified within 5% accuracy to the U.S. National Bureau of Standards (NBS) calibration sources.

   d. Calibration will be performed at intervals not to exceed 12 months and after servicing.

   e. Instruments will be calibrated on every scale or range of the instrument, up to 1 roentgen per hour.

   f. The exposure rate measured by the instrument will differ from the true exposure rate by less than ± 10% at the calibration points (read the appropriate section of the instrument manual to determine how to make necessary adjustments to bring the instrument into calibration). Readings within ± 20% will be considered acceptable if a calibration chart, graph, or response factor is prepared, attached to the instrument, and used to interpret readings.

2. A reference source (check source) that has along half-life, e.g., cesium-137 or radium D and E, will also be read at the time of the calibration or as soon as the instrument is received from a calibration laboratory. The readings will be taken with the reference source placed in specific geometry relative to the detector. A reading of this reference source should be taken:

   a. Before each use and after each survey to ensure that the instrument was operational during the survey,

   b. After each maintenance or battery change, and

   c. At intervals not to exceed 3 months.

   If any reading with the same geometry is not within ± 20% of the reading measured immediately after calibration, the instrument will be recalibrated.

3. Records of Items 1, 2.b, and 2.c above will be maintained for at least 2 years after each calibration or check.

4. The use of the small check source that is in some survey meters is not appropriate or acceptable for calibration purposes.

5. The inverse square law and radioactive decay law may be used for calibration.

   a. A calibrated source will have a calibration certificate giving its output at a given distance or its activity measured on a specified date by the manufacturer.

      (1) The inverse square law may be used with any point source to calculate the exposure rate at other distances.

      (2) The radioactive decay law may be used to calculate the output at any time.

b. Inverse Square Law

If R_a is the exposure rate at a distance D_a from a point source and R_b is the exposure rate at a distance D_b from the same point source, then

$$R_a D_a^2 = R_b D_b^2$$

Note: R_a and R_b must be in the same units of exposure rate (e.g., milliroentgens per hour, roentgens per hour) and D_a^2 and D_b^2 must be in the same units of distance (e.g., centimeters, meters).

If R_a, D_a, and D_b, are known, D_b, can be calculate from

$$R_b = \frac{D_a^2 \times R_a}{D_b^2}$$

c. Radioactive Decay Law

The exposure rate of a standard source at a time t after a specified calibration date is given by

$$R_t = R_o \times e^{-(0.693 \times t/T_{1/2})}$$

$$R_t = R_o \times (1/2)^n$$

where

R_t is the exposure rate at a time t after the source calibration date.

R_o is the exposure rate on the day the standard source was calibrated.

t is the time elapsed since the calibration date.

n is the number of half-lives through which the radioactive source has decayed and is equivalent to the quantity of $t/T_{1/2}$.

NOTE: R_t and R_o must be in the same units of exposure rate (e.g., milliroentgens per hour, roentgens per hour), and t and $T_{1/2}$ must be in the same units of time (e.g., seconds, days, years).

****
***** ACTIVITY REPORT *****
****

START TIME	CONNECTION TEL	CONNECTION ID	NO.	MODE	PAGES	RESULT	
08/19 15:49	1 508 897 7680	M A S S	0369	TRANSMISSION	0	NG	00'00
						0	#018
16:05	15088977680	NMC DIAG. SERVS.	0371	TRANSMISSION	2	OK	01'27
17:25	+816 7817056		0372	RECEPTION	1	OK	00'57
08/20 11:33	1 508 897 7680	M A S S	0373	TRANSMISSION	4	OK	01'20
08/21 06:55	3450978		0374	TRANSMISSION	2	OK	00'58
09:15	1 303 750 0969		0375	TRANSMISSION	3	OK	02'18
14:12			0376	RECEPTION	2	OK	01'30
15:15	1 303 750 0969		0377	TRANSMISSION	2	OK	01'28
08/22 14:36			0378	RECEPTION	1	OK	00'47
14:40	1 303 750 0969		0379	TRANSMISSION	2	OK	02'01
08/23 06:33	913 599 4866		0380	RECEPTION	1	OK	00'51
08:45			0381	RECEPTION	6	OK	03'32
09:32			0382	RECEPTION	1	OK	01'02
09:37			0383	RECEPTION	1	OK	00'55
10:27			0384	RECEPTION	0	NG	00'46
						0	#005
11:00	9138944900	FLAGSHIP TRVL	0385	RECEPTION	1	OK	00'51
13:14			0386	RECEPTION	2	OK	01'21
13:16			0387	RECEPTION	1	OK	00'55
13:20			0388	RECEPTION	4	OK	02'24
14:16	17085151259		0389	TRANSMISSION	9	OK	04'07

nmc Diagnostic Services, Inc.
Midwest Regional Office
15034 W. 106th Street
Lenexa, KS 66215-2052
Tel: (913) 894-9342
(800) 543-2176
Fax: (913) 894-9367

FASCIMILE COVER LETTER

PLEASE DELIVER THE FOLLOWING PAGES TO:

NAME: Evelyn Matson

FIRM: NRC

FAX NO.: 708-515-1259

SUBJECT: Requested Information

FROM: Dennis Brewer

TOTAL NUMBER OF PAGES 8 INCLUDING COVER LETTER.

DATE SENT: 8-23-96 TIME: _____ AM 330 PM

UNITED STATES NUCLEAR REGULATORY COMMISSION
REGION III
CONVERSATION RECORD

(X) TELEPHONE (X) OUTGOING ( ) INCOMING ( ) CONVERSATION TIME: 11:30 DATE: 8/2/96

NAME OF PERSON(S) CONTACTED: ORGANIZATION: TELEPHONE NO.:

TO: Dennis R. Brewer,
913-894-9342

SUBJECT:
Amendment request in letter dated June 17, 1996 (received July 17, 1996)

SUMMARY:

The NRC needs that following additional information:

1. Please provide a description of the instrumentation used to analyze the removable contamination wipe tests.
2. Provide the calibration procedure and date the instrument was last calibrated.
3. Provide a description of the minimal detectable activity.
4. Provide the efficiency of the instrument for commonly used radionuclides.

The instrument capabilities should meet the requirements of 10 CFR 35.70(f).

ACTION REQUIRED:
Please respond in writing within 15 days, provide two copies of your response and refer to Control No.301607.

ACTION TAKEN:

NAME OF PERSON DOCUMENTING CONVERSATION SIGNATURE DATE

FROM Evelyn R. Matson
708-829-9822

8/2/96

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

July 19, 1996

Audrey V. Wegst, Ph.D.
Radiation Safety Officer
NMC Diagnostic Services, Inc.
15034 W. 106th Street
Lenexa, KS 66215

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE
(X Letter _ Application _ Dated June 17, 1996)

Dear Licensee:

In response to your request, we have completed the initial processing, which is an administrative review of your application for a(n):

_ New License X Amendment _ Renewal
_ Termination _ Auth User (Amendment not required) _ QMP Revision
_ Other _____.

No administrative deficiencies were identified during this initial review. However, it should be noted that a technical review may identify omissions in the submitted information, technical issues that require additional information, or policy/technical issues that require coordination with headquarters or other NRC regional offices.

It appears that your request is routine (see 1-3 below, as applicable) and complete.

1. New and amendment actions are normally processed within 90 days, unless we find major deficiencies, or policy issues requiring central program office assistance.

2. Renewal actions are normally processed within 180 days, however, under timely filing (before expiration), you may continue to operate under your existing license.

3. Termination actions are normally processed within 90 days, unless confirmatory surveys following decontamination/decommissioning activities are involved.

A copy of your correspondence has been forwarded to our Licensing Fee and Debt Collection Branch (301/415-6097) for approval of the fee category and amount.

If you have a compelling safety or business-related reason for requesting expedited review, please contact the Materials Licensing Branch at (708) 829-9887. We will try to complete your request as soon as practicable. Any correspondence about this request should reference the control number.

Nuclear Materials Support Branch

Mail Control No. 301607
License No. 15-24485-01