St. Vincent Medical Center

August 1, 1984

U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

RE: Request for Renewal
Byproducts Materials License
34-01216-03
Expiration Date August 31, 1984

Dear Sirs;

Please renew the above noted Byproduct Materials License under the conditions present in the current license and supporting documents as follows:

1.	Application dated	October 27, 1978	(Amendment No.31)
		January 15, 1979	(Letter)
2.	Letters dated	October 10, 1979	(Amendment No.32)
		August 21, 1981	(Amendment No.33)
		August 21, 1981	(ALARA Program)
		January 14, 1982	(Amendment No.33)
		October 20, 1982	(Amendment No.34)
		January 18, 1983	(Amendment No.35)
		June 14, 1983	(Amendment No.36)
		August 1, 1983	(Amendment No.37)

The following letters have been superseded in part by the June 14, 1983 communication and Amendment No 36:

October 20, 1982	(Amendment No.34)
January 18, 1983	(Amendment No.35)

St. Vincent Medical Center will continue to operate in accordance with the above noted documents and applicable NRC regulations and license conditions.

At this time, St. Vincent Medical Center requests that the following revisions be made in the current documents:

1. Change of Licensee's Name
   The Licensee Name should be changed from St. Vincent Hospital and Medical Center, Department of Nuclear Medicine to St. Vincent Medical Center, Department of Nuclear Medicine.

Control No. 77250

2213 Cherry Street, Toledo, Ohio 43608-2691 419/259-4098

2. Addition of Authorized Users for Group VI Material only:
   Marsa, G.W., M.D.
   Mah, Chun Il , M.D.
   Zeidner, Steven, M.D.
   Mueller, William K., M.D.
   Eggleston, William D., M.D.

   Each of the above noted requested Authorized Users are currently authorized for Group VI material use under N.R.C. Materials License No. 34-15184-01 for Flower Hospital, 5200 Harroun Road, Sylvania, Ohio, 43560. The supplements A and B for each individual are therefore currently on file with the N.R.C.

3. Deletion of Authorized User:
   Please delete R.M. Stankey, M.D. as an Authorized User under our license.

4. Change in Medical Isotope Committee Membership:
   Please amend membership of Medical Isotope Committee in accordance with Attachment #1 to this letter.

5. Change in Methods of Calibration of Dose Calibrator:
   a. Instrument Constancy and Instrument Accuracy may be evaluated against an activity of isotope(s) used derived using either a table of decay factors or an activity vs. time semilogrithmic plot.

   b. Instrument linearity may be evaluated either by the method noted in Appendix D Section 2.E in Regulatory Guide 10.8 or with the use of a Linearity Test Kit, using a series of filters as described in Attachment #2 of this letter.

6. The company supplying our radioisotope doses and removing unused doses and spent syringes is Syncor, Inc., Toledo, Ohio. N.R.C. License No. 34-16654-01MD.

Enclosed please find a check in the amount of $580.00 for the License Renewal Fee, under 10CFR170.31.7C.

All correspondence regarding this request for Byproduct Materials License Renewal should be directed to K.J. Williford, Radiation Physicist, St. Vincent Medical Center, 2213 Cherry Street, Toledo, Ohio, 43608.

Sincerely,

Allen B. Johnson
Executive Administrator

Control No. 7 7 2 50

ABJ/jfp

ISOTOPE COMMITTEE

Chairman
Chief of Nuclear Medicine
(Presently D. Hoover, M.D.)*

PHYSICIST

Kathryn Williford, M.S.*

ADMINISTRATION

R. Drager or designee*

NURSING SERVICE

R. Barone or designee*

TECHNICAL

A. Chadwick, R.T.*
W. Huyghe, R.T.*
K. Betley, R.T.*

RADIATION SAFETY OFFICERS

Kathryn Williford, M.S.*
R.E. Myers, M.D.*

RADIOLOGY ADVISORY

R.E. Myers, M.D.*
S.T. Pinsky, M.D.*
R.W. Siders, M.D.**
P.M. Royen, M.D.**
S.E. Gordon, M.D.**
M.F. Fadell, M.D.**
E.P. Ho, M.D.**
G.B. Glassberg, M.D.**
R.D. Doerfler, M.D.*
S.L. Mayes, M.D. *
T.T. Loh, M.D.**

MEDICAL ADVISORY

R.K. Agrawal, M.D.**
P. Horowitz, M.D.**
R. Schafer, M.D.**
Su Pa Kang, M.D.**
J. Mareska, M.D.**

SURGICAL ADVISORY

G. Stark, M.D.**
Leo Clark, M.D.**
James Gosman, M.D.**
A. Zacharias, M.D.**
R.J. Navarre, Jr.M.D.**
F. Bowdle, M.D.**
P. Clark, M.D.**

PATHOLOGY ADVISORY

D. LeGolvan, M.D.**

RADIOPHARMACY

Syncor, Inc.**

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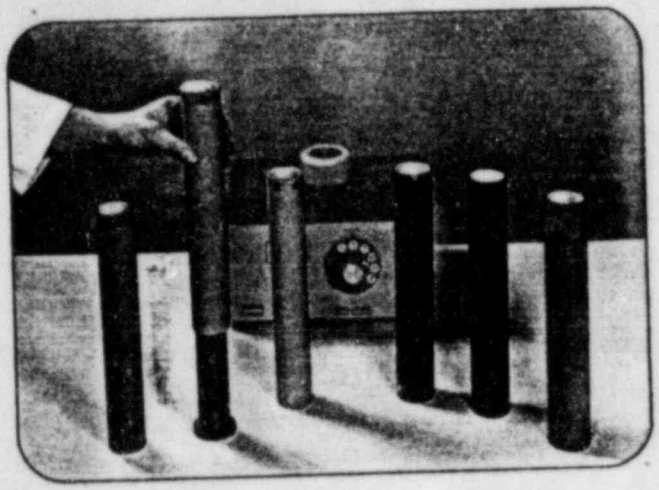
* - designates working members of the Isotope Committee

** - designates advisory members

Control No. 7250

Attachment #1



CALICHECK™
Dose Calibrator Linearity Test Kit

Easily checks linearity in minutes without sample decay or fractionating

- **Fast, accurate and reliable.**
- **Eliminates costly waste of radionuclide.**
- **Meets NRC and Agreement State guidelines*.**

The unique "Calicheck" Kit allows you to verify the linearity of your dose calibrator accurately and reliably—in minutes rather than days. No longer need you follow the decay of ^{99m}Tc for three days or more to collect data for this test. Radiation exposure is reduced radically, and the radionuclide can still be used for imaging. Testing with "Calicheck" allows the calibrator, isotope and you to return to productive service in minutes. Since the kit works so fast, linearity tests can be made more frequently to spot trouble before it becomes serious.

"Calicheck" is designed to attenuate ^{99m}Tc by known values. It provides for seven successive measurements of a vial of ^{99m}Tc, using radiation-absorbing shields that simulate decay at approximately 0, 6, 12, 20, 30, 40 and 50 hours from the initial assay.

Operation is simple. The central tube, with a vial of ^{99m}Tc inserted, is placed in the dose calibrator and counted, providing a "0" hour reading. Then, in sequence, each of the remaining color-coded tubes is positioned over the central tube and counted individually. The readings are then normalized with predetermined factors, and the degree of linearity can be seen virtually at a glance.

The "Calicheck" Kit includes seven color-coded, lead-wrapped plastic tubes, a supply of record-keeping sheets, and complete instructions. Maximum tube size is 11¼" long x 1 5/16" diam. Will accept vials up to 30 cc (maximum 30-mm D.). Typical tube absorption factors for ^{99m}Tc: 1, 2, 3.5, 10, 30, 120 and 350. Storage container 13½" high x 6" D. Net weight 10 lbs.

34-210 "Calicheck" Linearity Test Kit $375.00

*NRC Regulatory Guide 10.8, Appendix D.