Franklin Memorial Hospital
3000 SOUTH ELM PLACE / BROKEN ARROW, OKLAHOMA 74012 / 918-455-3535

July 7, 1981

Glen D. Brown, Chief
Technical Inspections Division
U.S.N.R.C., Region IV
611 Ryan Plaza Drive
Arlington, Texas 76011

License No. 35-17414-01
Docket No. 30-12713

Gentlemen:

In response to your letter of June 17, 1981 we offer the following:

a. In the past medical isotope committee meetings have been scheduled as nearly as convenient to a quarterly basis when the committee chairman was on his rotation through the radiology department and the meetings then could be scheduled for daytime hours. The committee is now meeting and in the future will meet at a more fixed quarterly schedule. We are currently in compliance.

b. Our consulting physicist is now checking the isotope calibrator with new reference sources whose calibration is traceable to NBS and which have been calibrated in terms of the actual isotope rather than the one being simulated. A sample of the report forms he submits are enclosed. Percentage variations are calculated to determine if the dose calibrator meets the +/- 5% calibration criteria. We will monitor his report forms to ensure this procedure is continued. We are currently in compliance with this requirement.

c. Survey meters have been recalibrated with at least two points per scale being checked. A copy of the report form is enclosed. Our consultant physicist will continue to use this procedure and we will monitor his reports to confirm this. We are currently in compliance.

d. Failure to survey newly arrived packages at their surface and at three meters was an inadvertant oversight on our part. In the past our general survey was to visually inspect each package of radioactive material. If no signs of rough handling were found, to go directly to survey for radioactive leakage at the package surface. We instituted the additional survey at three meters on May 5, 1981 and the nuclear medicine technologists have been instructed to continue them in the future. We are currently in compliance.

I certify that all information contained in this letter, including any supplements attached thereto, is true and correct to the best of my knowledge and belief.

Bruce D. Switzer

Bruce D. Switzer, Administrator

July 8, 1981

Date

Doris J. McCulley

Notary Signature

BDS:jmt

Survey Meter Calibration

7/6/81

FRANKLIN Memorial Hospital

TEXAS NUCLEAR 2650 #L 3463m

Source 5 mg Ra_{226}

Dist.	Exp. rate	reading	Scale	cc+
10.15m	.04 mr/hr	.05		
7.18	.08	.09	x.1	.84
	.08	.09		
5.24	.15	.17	x.3	.85
4.06	.25	.30		
	.25	.28		
2.87	.5	.56	x1	.90
2.27	8	.90		
	.8	1.0		
1.65	1.5	1.7	x3	.85
1.28	2.5	2.8		
	2.5	2.6		
.91	5.0	5.0	x10	1.00
.72	8.0	8.0		
	8.0	8.0		
.52	15.0	16.0	x30	.95
.41	25.0	27		
.72	8.0	9	x100	.95
.52	25.0	26		
.22	80.0	76		

Std Side 1 Scale 3.0 Reading 1.5-1.5

Side 2 Scale 30 Reading 15-17

Keith M. Jones, PhD

Radiation Physicist

Survey Meter Calibration

7/6/81

FRANKLIN Memorial Hospital

Victoreen 492 # 4028

Source 90 mg Ra-226

Dist	Exp Rate	Reading	Scale	cc f
642 cm	1.8 mR/hr	2.2		
370	5.4	6.0	x1	.9
287	9.0	9.5		
203	18	18		
117	54	54	x10	1.0
91	90	84		
64	180	180		
37	540	500	x100	1.10
29	900	800		

Keith M. Jones, PhD
Radiation Physicist

ISOTOPE CALIBRATOR — Franklin Memorial Hospital

Accuracy Check — Date 5/26/81 — Calibrator I.D. CRC-22WS #33578

Source I.D. 3540281A-35 Co^{60} — Calibrated Activity 50 ± 4% uC.

Date Calib. 2/27/81 — Current Activity range 46.4 - 50.3

Calibrator reading 48.9 — Isotope setting Co^{60}

Is reading within ± 5% of Activity range? yes

KmJ

ISOTOPE CALIBRATOR

Accuracy Check — Date _____ — Calibrator I.D. _____

Source I.D. _____ — Calibrated Activity _____

Date Calib. _____ — Current Activity range _____

Calibrator reading _____ — Isotope setting _____

Is reading within ± 5% of Activity range?

ISOTOPE CALIBRATOR

Accuracy Check — Date _____ — Calibrator I.D. _____

Source I.D. _____ — Calibrated Activity _____

Date Calib. _____ — Current Activity range _____

Calibrator reading _____ — Isotope setting _____

Is reading within ± 5% of Activity range?