

SIoux CITY RADIOLOGICAL GROUP, P. C.

Radiologists

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2-14-83

2912 Hamilton Boulevard
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Nuclear Regulatory Commission
Region 111
799 Roosevelt Road
Glen Ellyn, Ill. 60137

Gentlemen:

This letter is in response to the Notice of Violation for a routine safety inspection conducted on January 12, 1983.

License Condition No. 13 requires that licensed material be possessed and used in accordance with statements, representation and procedures contained in application dated January 26, 1979, and letter dated June 19, 1979.

Item No. 15 of the application states that each patient dose will be assayed prior to administration and any dose differing by more than ten percent from the prescribed dose will not be used.

ACTION TO BE TAKEN:

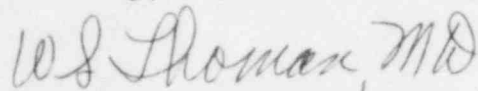
All radioactive I-131 therapy doses to be utilized under License No. 14-13143-01 will be assayed at St. Luke's Regional Medical Center. The License No. for the Medical Center is 14-18721-01.

Enclosed you will find a copy of the Dose Calibrator Calibration Certificate. Calibration of this unit is performed by the Stan Huber Consultation Firm. The latest calibration of the unit is dated June 4, 1982. The next calibration of the unit will be in July of 1983, to be performed by the same firm.

If any further information is required please do not hesitate to contact us.

Thanking you I remain

Sincerely,



W. S. Thoman, M.D.
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DOSE CALIBRATOR CALIBRATION CERTIFICATE

Calibration Date: June 4, 1982Facility: St. Luke's Medical Center City: Sanix City State: IA

Instrument Identification

Manufacturer: Picker Model No. Isotope Calibrator
Serial No. 19310 652-507

CALIBRATION DATA

Radionuclide Used	Setting or Module	Actual Activity	Measured Activity	%	Correction Factor
⁵⁷ Co	⁵⁷ Co	7.31mCi	7.63mCi	✓	
¹³⁷ Cs	¹³⁷ Cs	93mCi	94.2mCi	✓	
⁶⁰ Co	⁶⁰ Co	29.3mCi	30.3mCi	✓	
¹³⁷ Ba	¹³⁷ I	157mCi	636mCi	-	Response ✓
⁵⁷ Co	^{99m} Tc	7.31mCi	9.08mCi	-	
⁵⁷ Co	⁹⁹ Tc	1.27mCi	1.58mCi	-	
¹³⁷ Cs	⁶⁴ Mn	93mCi	724mCi	-	
¹³⁷ Cs	⁶⁷ Ga	93mCi	176mCi	-	
¹³⁷ Cs	⁷⁵ Se	93mCi	102mCi	-	
⁵⁷ Co	¹³³ Xe	7.31mCi	5.13mCi	-	

COMMENTS

Accuracy $\pm 5\%$, Linearity $\pm 5\%$, Precision $\pm 5\%$
Reference checks OKNEXT CALIBRATION DATE: June, 1983CALIBRATED BY: Stanley W. Bahr**sahci** STAN A. HUBER CONSULTANTS, INC.

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