

Fairbanks Memorial Hospital

1650 Cowles St.
FAIRBANKS, ALASKA 99701

OPERATED BY
LUTHERAN HOSPITALS AND HOMES SOCIETY
FARGO, NORTH DAKOTA 58102

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1982 SEP 24 PM 1:05
RECORDED

September 20, 1982

United States Nuclear Regulatory Commission
Region V
1450 Maria Lane, Suite 210
Walnut Creek, California 94596

Attn: G. S. Spencer, Director
Division of Radiological Safety and
Safeguards Program

Dear Mr. Spencer:

I am in receipt of your letter dated 9/16/82.

Item "A" licensee condition #18, related to personal monitoring of Dr. McConkey during use of the Strontium 90 eye applicator: Arrangements have been made for Dr. McConkey to wear a film badge while using the Strontium 90 applicator.

Item "B", licence condition #18, quarterly linearity check and record keeping for the CRC 17 dose calibrator: See attached form which has been made and posted in the hot lab as a reminder to do test quarterly and record.

Item "C", related to CFR 20.108, Bioassay program for personnel handling therapeutic liquid I¹³¹. A change in the Fairbanks Memorial Hospital policy has been made. From this point in time forward, the Fairbanks Memorial Hospital will discontinue use of liquid I¹³¹ and replace it by using I¹³¹ capsules in precalibrated form. The material will therefore not be volatile and should not require bioassay.

Item "D", part 10 CFR 20.401, the licensee shall maintain records showing the radiation exposures of all individuals for whom personnel monitoring is required and that pocket dosimeters will be worn by persons caring for patients containing therapeutic doses of I¹³¹ for treatment of thyroid carcinoma: I would submit there has been no violation. Stringent records were kept of nurses caring for the patient being treated with I¹³¹ and stringent records were kept of radiation exposures of all individuals for whom personal monitoring was required.

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NMS LIC30
50-13648-01 PDR

During the short NRC investigation, when the inspector was only available to review records for two hours on one afternoon and one hour the following morning, the technician temporarily was unable to locate the pocket dosimeter records. Since the investigator has returned to Walnut Creek, the records have been located in total and are submitted as an attachment to this letter for your review. I would submit that extreme caution was used and appropriate monitoring was carried out. I wish to apologise for the technicians inability to retrieve this information on a moments notice but must submit she was under a great deal of tension during the investigation and there was a very short time allotted to record review. In my opinion, this does not represent a violation.

Item "E", license condition #17B, stating that leak tests results shall be kept in units of microcuries and maintained for inspection by the commission: I would submit that the leak test was made in a timely fashion and submitted to ICN for measurement. The record was not returned for file. The missing record has been received from ICN and is attached for your review.

I believe this concludes the items of business outlined in your letter.

Sincerely yours,

Roger D. Fellows, M.D.

Roger D. Fellows, M.D./
Radiologist

RDF:cac
Attachment
(L.0-1)



Erasable Bond
25% COTTON FIBER

Posted in
Hatchak
9/9

13

QUARTERLY LINEARITY CHECK

DOSE CALIBRATOR

TIME	AMOUNT OF ACTIVITY	CALCULATED ACTIVITY	+5%	DOSE CALIBRATOR READING
0hr				
6hr				
24hr				
30hr				
48hr				
0hr				
6hr				
24hr				
30hr				
48hr				
0hr				
6hr				
24hr				
30hr				
48hr				
0hr				
6hr				
24hr				
30hr				
48hr				
0hr				
6hr				
24hr				
30hr				
48hr				

SERIAL #		SHIFT/DATE	READING MR/HR
6003160	6003162	7-3 12/27	5me
6003173	6003173	7-3 12/27	0
6003173	862	7-3 12/27	0
6003173	862	3-11 12/27	0
6003173	862	11-7 12/27	0
6003162	862	7-3 12/28	0
6003160	862	7-3 12/28	0
6003173	862	7-3 12/28	0
6003162	862	7-3 12/28	0
6003160	862	7-3 12/28	0
6003162	862	7-3 12/28	0
6003160	862	7-3 12/28	0
6003162	862	7-3 12/28	0
6003160	862	7-3 12/28	0
6003161	862	3-11 7/11	2me
6003162	862	11-7 7/11	0
6003160	862	7-3 7/11	0
		7/12	0
		7/12	0
		7/12	0

BARBARA MCCLEARY
 ARLENE
 DE DAVIS
 SUSANNE LIEBETT
 ARLENE BERBEK
 JAN WALKER

W. L. ...
 J. ...
 J. ...
 E. ...
 D. ...
 Jan Walker

rec'd copy
9/17



LEAK TEST CERTIFICATE

SOURCE DATA

Source owned by Fairbanks Memorial Hospital

Street Address 1650 Cowles St. Phone # 907-452-8181

City Fbks. State AK Zip Code 99701

Source manufactured by (Company Name) ICN

Source Model No. RA-1 Source Serial No. 1332

Isotope 90Sr. Activity (mCi) 50mCi

Date of Test 12-15-81 Performed by Janice K. Walker, CNMT
(Print Name)

TEST DATA

Sample Activity 2.3 X 10⁻⁵ μ Ci or 50 dpm

Counting Log No. BKG

0.005 μ Ci or 11,000 dpm is classified as a Leaking Source

The source was:

Leaking

Not Leaking

JAN 4 1982
DATE

MC Royse
Health Physicist



ICN Pharmaceuticals, Inc.
Health Physics Services

2727 Campus Drive
Irvine, California 92715
Tel: (714) 833-2500