



PO Box 9311
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Radiation Therapy

Providing Physics Services in
• Diagnostic Radiology •

Nuclear Medicine

Phone (314) 644-3000-Ext. 4246

February 20, 1981

W.L. Fisher
Acting Chief
Nuclear Regulatory Commission
Region III
799 Roosevelt Rd.
Glen Elyn, IL 60137

Dear Sir:

A recent inspection of Compton Hills Medical Center in St. Louis, MO by R.E. Burgin of the NRC resulted in a citation to the Medical Center due to the fact that quarterly linearity tests of the Nuclear Medicine's Dose Calibrator could not be found. These linearity tests had been performed in a timely fashion. I, however, had temporarily borrowed the two most recent test results (August '80, October '80) in order to present it in the form recommended in Nuc. Reg. Guide 10.8, App. D, E(4), (log-log graph). Previously this data had been mathematically analyzed but not graphed. The data for the initial linearity test (4/28/80) was previously graphed but filed under an inappropriate heading.

Compton Hills has recently changed their procedures so that, a) Xerox copies of data will be forwarded to me (or other suitable consultant), b) a "Dose Calibrator Linearity Test" file has been established.

Sincerely,

David J. Keys

David J. Keys, M.A.
Medical Physicist

8106050495

COMPTON HILL MEDICAL CENTER
LINEARITY TEST

Date _____ Time _____ Amount _____ Tech _____

Time _____ Amount _____ Tech _____

Date _____ Time _____ Amount _____ Tech _____

Time _____ Amount _____ Tech _____

Tech _____

Violation #3 & #4

"No records were maintained of disposals of wastes; i.e., used syringes, vials, etc., to normal (cold) trash."

"Failed to maintain records of surveys that you performed to assure compliance with 10 CFR 20.301, Waste Disposal, General Requirements. Specifically, no records were maintained by the Nuclear Medicine Department for results of surveys of waste material disposed of as normal (cold) trash."

Enclosed are copies of a sample disposal of waste and recording of same, (Section 3 & 4, attachment A), that had been utilized.

Enclosed is a copy of a new adopted form that will be utilized, commencing February 23, 1981, that should comply with the requirement, (Section 3 & 4, attachment B).

[illegible]

[illegible]

Waste Disposal

Waste From

12-15-80

12-22-80

12-29-80

1-5-81

1-12-81

1-19-81

1-26-81

2-2-81

Total Reading

$< .01$ mR/HR

disposed in trash Dumpster on 2-10-81 9:30am DD

Date _____ Moly _____ Ratio _____

Tech _____

Tech _____

Purpose _____

Activity on hand MC

Volume on hand ML

Activity admin. MC

Volume admin. ML

Activity remain MC

Volume remain ML

Stored needle syringe

Stored not lab vial

Tech. _____

Date for stored decay

Tech. _____

Date disposed in cold trash

Tech. _____

Geiger MR/HR

Agent/Patients

Section 3/4
Attachment B

Section 5

Violation #5

"Records did not contain all the information required by Form NRC-5. Specifically, Social Security numbers and date of birth were not present for all persons requiring personnel monitoring.

Enclosed is a copy of previous dosemitry report indicating the absence of the nuclear medicine technicians Social Security number and date of birth, (Section 5, attachment A).

Enclosed is a copy of dosemitry report, indicating corrections. This has been fully completed, February 13, 1981, (Section 5, attachment B).

ACCOUNT NO	1000
CODE	

[illegible]

R. S. Landauer, Jr. & Co.
Division of Technical Operations, Incorporated
Glenwood Science Park
Glenwood, Illinois 60425
Telephone (312) 755-7000

RADIATION
DOSIMETRY
REPORT[illegible]

(Simon's
RH 2000 and A)

ACCOUNT NO.	51003
STOCK CODE	

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RADIATION
DOSIMETRY
REPORT

2011 - 2012

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