

JOSEPH L. STURM, M.D.
P. O. BOX 117
ALEXANDRIA, INDIANA 46001

January 16, 1981

Mr. William P. Reichhold
USA Nuclear Regulatory
Commission
799 Roosevelt Road
Glen Ellyn, ILL 60137

Dear Mr. Reichhold:

When I am at a medical meeting or on vacation,
the nuclear medicine department will not per-
form any studies.

If there are any more queries in this regard,
let me know.

Respectfully yours,

Joseph L. Sturm, M.D.

Dr. Joseph L. Sturm

JLS/mij



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

JUN 26 1981

Joseph L. Sturm, M.D., Inc.
P. O. Box 592
Hartford City, IN 47348

License No. 13-17296-01

Gentlemen:

This is to acknowledge your letters dated July 8, July 16, August 5, and December 29, 1980, and January 16, 1981, informing us of the steps you have taken to correct the noncompliance identified in our correspondence dated June 26, August 5, and October 17, 1980.

This letter also references the telephone conversations between Mr. W. P. Reichhold of this office and Mr. Wayne Mertes of your staff on January 22, and May 12 and 13, 1981, concerning your corrective actions mentioned above.

It is our understanding that the following additional actions will be taken:

1. Personnel will be provided with a whole body film badge and a finger badge before they elute generators or administer patient doses.
2. In the absence of film badge results, you will make an evaluation of the radiation exposures to ensure they are within Part 20 limits. A record of the results of these evaluations will be kept for review by the Commission.
3. A semiannual review of the daily and quarterly constancy checks of the dose calibrator will be performed by you or your consultant to ensure that the dose calibrator checks have been performed.
4. A semiannual inspection of the hot laboratory area will be performed by you or your consultant to ensure the posting requirements in Part 19 have been met.
5. You will use a properly calibrated replacement G-M survey meter until your Eberline E-520 and Ludlum 3 survey meters are calibrated and returned from the manufacturer.

If our understanding of the above is incorrect, please contact William P. Reichhold or Donald J. Sreniawski at 312-932-2500.

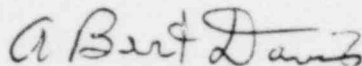
Dupe of 8107080489

JUN 26 1981

Item 7 of your letter dated December 29, 1980, states that film badge reports for a technologist were not available for the period October 1977 to December 1978 because this technologist was not employed by you during this period. Accordingly, we will delete this item of noncompliance from our records.

We are concerned that following our initial notice of violation and subsequent enforcement conference, multiple letters and telephone conversations have been required to obtain an understanding of your corrective actions. This raises questions as to the degree of control you have exercised in assuring that regulatory requirements are being met. We plan to conduct a reinspection of your licensed operations to review these corrective actions. Continuing violations resulting from ineffective corrective actions will result in consideration of the issuance of civil penalties.

Sincerely,



for James G. Keppler
Director

cc: Wayne Mertes, R.T.

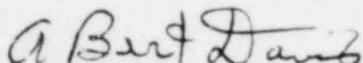
cc w/ltrs dtd 7/8, 7/16,
8/5/80 & 1/16/81:
DMB/Document Control Desk (RIDS)

JUN 26 1981

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Sincerely,



for James G. Keppler
Director

cc: Wayne Mertes, R.T.

cc w/ltrs dtd 7/8, 7/16,
8/5/80 & 1/16/81:
DMB/Document Control Desk (RIDS)

P.O. Box 542
Hartford City, Indiana 47312
July 8, 1980

lic. file

United States Nuclear Regulatory Commission
Region III
799 Roosevelt Rd.
Glen Ellyn, Ill. 60137

13-17296-1

Sirs;

In response to your IS Bulletin 79-19, (August 10, 1979) we do not ship any low-level radioactive waste for burial. Our low-level radioactive waste is stored in a lead shielded area until it has decayed down to background level. This is confirmed by monitoring the waste with a survey meter. The waste is then disposed of by obliterating the radiation symbol and thrown in with the normal trash.

Sincerely,

Joseph L. Sturm
Joseph L. Sturm, M.D.

JUL 10 1980

Dupe of 8007220114

P.O. Box # 592
Hartford City, Indiana 47348
July 16, 1980

James G. Keppler, Director
U. S. Nuclear Regulatory Commission
Region III
799 Roosevelt Rd.
Glen Ellyn, Illinois 60137

Dear Mr. Keppler,

In accordance with the provisions of Section 2.201 of the NRC's "Rules of Practice", Part 2, Title 10, Code of Federal Regulations, I am hereby submitting a written statement or explanation in reply to each item of noncompliance found during the inspection of my license number 13-17296-01 conducted by W.P. Reichhold on June 3 and 4, 1980 and described in Appendix A to your letter of June 26, 1980. As you are aware, the, the inspection findings and our corrective actions were discussed with representatives from the NRC Office of Inspection and Enforcement on July 8, 1980.

Infraction I. Contrary to the license application, the MO-99/Tc-99m generator has been received and stored at Blackford County Hospital from Sunday morning to Monday morning each week since May, 1978 to June, 1980.

(1) Corrective action taken and the results achieved:

The standing order for the generator was cancelled effective 7-13-80. No generator received on 7-13-80.

(2) Corrective action to be taken to avoid further noncompliance.

Mallinckrodt will be given the hot lab address as the point of delivery. The local supplier will provide a duplicate of the hot lab. The generator will be delivered to the hot lab by the nuclear medicine lab at the first opportunity.

(3) Noncompliance to be achieved:

An amendment request was submitted on July 7, 1980 to identify the 214½ West Washington Street, Hartford City, Indiana 47348 address as an authorized location of use. Mallinckrodt will not ship the generator to this address until the license is amended.

Infraction III. Licensed material is used at 216 Washington Street, Hartford City, Indiana, a location not authorized by the license.

(1) Corrective action taken and the results achieved:

The correct address of the hot lab is 214½ West Washington Street, Hartford City, Indiana 47348. On July 7, 1980 an amendment request was sent requesting that this address be added as an authorized location of use. Until the license is amended there is no licensed material being delivered to this address.

Dupc of 844060594

JUL 24 1980

(2) Corrective action taken to avoid further non-compliance.

(see above)

(3) The date when full compliance will be achieved.

Whenever the license amendment is received.

Infraction III.

Contrary to 10 CFR 20.201 (b) one individual who works in controlled areas, elutes generators, and administers patient doses did not have a whole body badge or a finger badge for a two month period starting 12-79 thru 1-80 nor was evaluation of the whole body made for a two month period starting 12-79 thru 1-80.

(1) Corrective action taken and the results achieved.

An average monthly exposure based on badge reports already received for February, March, April, and May, 1980, will be computed and included in the permanent record. The average monthly exposure was determined to be 10 millirems whole body and 7 millirems finger. These exposures will be taken as estimated exposures for 12-79 and 1-80.

(2) Corrective action to be taken to avoid further noncompliance.

The above estimated exposures for 12-79 and 1-80 will be forwarded to Landauer to be added to the individual's lifetime exposure.

(3) Date when full compliance will be achieved.

The radiation dose for 12-79 and 1-80 were estimated on July 16, 1980. Full compliance will be achieved when these estimates are forwarded to Landauer.

Infraction IV.

Contrary to the license application the last calibration of the Eberline, model E-520, serial number 895 survey meter was on December 21, 1976. The Ludlum, model 3 survey meter has not been calibrated since date of license issuance.

(1) Corrective action taken and results achieved.

The Eberline, model E-520 has been returned to the manufacturer for repair and calibration. Also the Ludlum 3 has been returned to the manufacturer for repair and calibration.

(2) Corrective action taken to avoid further non-compliance.

When the survey meters are returned from the manufacturer the nuclear medicine technologist will make a note of the due date for subsequent calibration and will subsequently have the survey meters calibrated at the appropriate time.

(3) Date when full compliance is achieved.

When survey meters are returned from the manufacturer.

Infraction V.

Contrary to the license application daily measurements of the dose calibrator were not performed using Cs 137 and Co 60 standards, nor was a Co 60 source available. Quarterly checks of a variety of settings on the dose calibrator using a Co60 or a Cs 137 standard were not performed in March 1980 nor were records kept of the previous quarterly checks kept.

(1) Corrective action taken and the results achieved:

When the Washington street address is added to the license as an authorized place of use the necessary Cs 137 and Co 60 dose calibrator standards will be ordered. Upon receipt of these sources they will be used for daily measurements of the dose calibrator. The Cs 137 standard will be measured on selected dose calibrator settings, upon receipt and subsequently at quarterly intervals.

(2) Corrective action to be taken to avoid further non-compliance.

(see above)

(3) The date when full compliance will be achieved.

When the license is amended to include the Washington street address as an authorized place of use and the sources are received.

Infraction VI.

Contrary to the license application a graph of the results of the linearity tests of the dose calibrator were not kept from date of license issuance.

(1) Corrective action taken and the results achieved.

Linearity checks were performed on January, March, and June of 1980, but the results were not graphed. These data have subsequently been plotted on semilog graph paper.

(2) Corrective action to be taken to avoid further noncompliance.

The results of future linearity tests will be graphed.

(3) Date when full compliance will be achieved.

July 17, 1980

Deficiency VII.

Contrary to 10 CFR Section 20.401 (a) there were no exposure records for an individual from October 1977 to February 1978.

(1) Corrective action taken and the results achieved.

Radiation Detection Company was contacted on July 8, 1980 at which time we requested that they forward the required exposure records. These have not yet been received.

(2) Corrective action to be taken to avoid further noncompliance:

If the required exposure records are not available from Radiation Detection Company, an estimate of the individual's exposure will be made.

(3) Date when full compliance will be achieved.

When the required records are received from Radiation Detection Company.

Deficiency VIII.

Contrary to 10 CFR Section 20.407 the statistical summary report of monitoring information for 1978 and 1979 was not submitted within the first quarter of the calendar years 1979 and 1980.

(1) Corrective action taken and the results achieved:

Statistical summary reports of monitoring information for 1978 and 1979 will be submitted on July 20, 1980.

(2) Corrective action taken to avoid further noncompliance:

None required.

(3) Date when full compliance will be achieved:

July 20, 1980

Deficiency VIIII.

Contrary to 10 CFR 19.11 required documents and notices were not posted in the hot lab.

(1) Corrective action taken and the results achieved:

A form NRC 3 has been posted in the hot lab. Also, a notice has been posted describing Part 19, Part 20, license conditions, documents incorporated into the license, license amendments and operating procedures and where they may be examined.

(2) Corrective action to be taken to avoid further noncompliance.

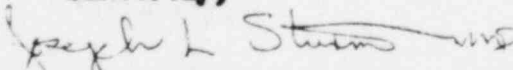
See above.

(3) The date when full compliance will be achieved:

June 25, 1980

If there are any further questions feel free to contact me at the Blackford County Hospital (317-348-0300)

Sincerely,


Joseph L. Sturm, M.D.

P.O. Box 592
Hartford City, Indiana 47348
August 5, 1980

13-17296-01

United States Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Ill. 60137

Dear Mr. Reichhald,

In response to your question on item # 3 there were no accidents, spills or an usually heavy work load for the period of December 1979 thru January 1980.

Sincerely,
Joseph L. Sturm M.D.
Joseph L. Sturm, M. D.

AUG 7 1980

*sent to pbr 10/14/80
fts*

Dupe of 8107080504

JOSEPH L. STURM, M.D. *JAL*
P. O. BOX 117
ALEXANDRIA, INDIANA 46001

P.O. Box 592
Hartford City, Indiana 47348
29 December 1980

United States Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Mr. Keppler,

In response to your letter of October 17, 1980,
I will further describe our Radiation Safety Checklist.

All equipment inspection and calibration are the
responsibility of the nuclear medicine technologist.
It is his responsibility to see that the inspections
and calibrations of the various equipment is either
done by him or sent to the proper people to handle the
required work.

The training and indoctrination of all personnel
for compliance with NRC regulations and license condi-
tions is provided by Robert Anger, our physicist.

The verification that required monitoring of
required activities is provided by our physicist and
Dr. Sturm.

Dr. Sturm will insure that there is continued
compliance of licensed activities during any inter-
ruption of routine activities.

In response to your letter of October 17, 1980,
the dates of compliance of items 4, 5, and 7.

ITEM 4.

The Eberline has not as yet been received from
the manufacturer where it was sent for repair. As
soon as it has been received the Ludlum will be sent
in for required calibration.

Dupe of 8107080496

JAN 8 1981

JOSEPH L. STURM, M.D., J.N.C.
P. O. BOX 117
ALEXANDRIA, INDIANA 46001

Page 2.

ITEM 5

The necessary calibration sources were received on August 7, 1980, and the required dose calibrator checks were started on that day.

ITEM 7

There was no nuclear medicine technologist working for Dr. Sturm in that time so therefore there are no film badge reports for that period.

Sincerely,

Wayne Hertel

Wayne Hertel

JOSEPH L. STURM, M.D.
P. O. BOX 117
ALEXANDRIA, INDIANA 46001

January 16, 1981

Mr. William P. Reichhold
USA Nuclear Regulatory
Commission
799 Roosevelt Road
Glen Ellyn, ILL 60137

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Joseph L. Sturm, M.D.

Dr. Joseph L. Sturm

JLS/mij

Dupe of 8107080509

JAN 19 1981