



030-12960
One Riverview Plaza • Red Bank, NJ 07701 • (201) 741-2700

August 3, 1990

U.S. Nuclear Regulatory Commission
Region I
ATTN: Dr. Mohamed M. Shanbaky, Ph.D
475 Allendale Road
King of Prussia, PA 19406

Re: Recent NRC Inspection No. 030-12960/90-001

Dear Dr. Shanbaky:

We recently received your letter, dated July 28, 1990, describing the routine NRC inspection of the hospital's Cobalt-60 teletherapy program (NRC License No. 29-09701-02). It was noted that the Radiation Safety Committee (RSC) failed to meet in the fourth quarter of 1989 (also noted in the minutes of the RSC meeting of March 20, 1990). As per your request, this letter shall describe the efforts taken and planned to ensure that this violation is corrected and that full compliance is achieved as soon as possible.

After the inspection, it was decided to hold a meeting of the RSC at the earliest possible date to discuss the findings of the NRC inspection. On July 17, 1990, a meeting of the RSC was held and a tentative schedule of RSC meetings for the calendar year 1990 was presented to each member of the RSC by the Radiation Safety Officer in an effort to ensure that meetings of the RSC shall be held on at least a quarterly basis in the future. The committee decided that the proposed schedule was excessive since it would have had the committee meet a total of five times in the year 1990. Instead, it was decided that the RSC would meet two additional times this year for a total of four meetings for the year (approximately one meeting per quarter). Listed below are the meeting dates scheduled for agreed upon by the RSC for the calendar year 1990 (including meetings already held).

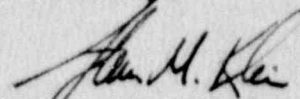
SCHEDULE OF RSC MEETINGS FOR THE YEAR 1990

March 20, 1990
July 17, 1990
August 21, 1990
October 2, 1990

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It is understood that the RSC must meet at least quarterly and more frequently if incidents arise of concern to the RSC. If additional information is required, please do not hesitate to contact us.

Sincerely,



Steven M. Klein

Vice President,
Professional and
Medical Affairs

Enclosure: RSC
minutes

cc: C.J. Orlando



Radiation Safety Committee Meeting Minutes

Date and Time of Meeting: July 17, 1990 @ 11:45 A.M.

Members Present:

Dr. John A. Parrella, Medical Director of Radiology
Dr. Aldo Baldi, Pathology
Mr. Steven Klein, V.P., Professional and Medical Affairs
Mr. Charles J. Orlando, Manager of Radiology
Ms. Lynn Koller, R.N., Nursing
Mr. Gary Lungert, C.N.M.T., Nuclear Medicine (Alternate)
Mr. Paul Crotty, R.T.T., Radiation Therapy
Ms. Diana DeFelice, R.N., Radiology

Members Absent:

Dr. Edmond Kwong, Radiation Therapy
Ms. Diane Kanach, RIA Laboratory

The meeting was called to order at 11:45 A.M. on July 17, 1990 in the Radiology Conference Room. The following items were discussed by the committee at this time:

1. Recent NRC inspection: On June 29, 1990 the NRC conducted an inspection of the hospital's NRC teletherapy program. The NRC inspector informed us of a change in the inspection frequency for NRC licensed teletherapy programs to once a year. The inspection for NRC licensed nuclear medicine programs remains at approximately once every three years. One violation was found by the inspector and also noted by the RSO in the last RSC meeting; there was no radiation safety committee meeting held in the last quarter of 1989. Corrective measures to be taken to ensure full compliance were discussed at this time. The RSO presented each member with a tentative schedule of RSC meetings for the year 1990. This schedule was reviewed by the committee and it was decided that the five (total) meetings scheduled for the year were excessive. It was agreed upon to eliminate the last meeting on the tentative schedule leaving us with a total of four meetings for the year (approximately one meeting per quarter). We are still awaiting a formal written report on the inspection as of this time.

SCHEDULE OF RSC MEETINGS FOR THE YEAR 1990

March 20, 1990
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October 2, 1990

2. Status of NRC licenses: It was noted that there were no changes in the Cobalt-60 NRC teletherapy license since the last meeting. However, we did receive the complete revision and renewal of the NRC license governing the nuclear medicine department. Some of the changes incorporated in this license included the change in RSO to Mr. Richard Tenpenny, Physicist, and the addition of 35.300 (therapeutic radiopharmaceuticals) to the list of radioactive materials that Dr. Tedeschi is authorized to use. This license expires on April 30, 1995.

3. Review of occupational radiation exposures: All employees covered by the NRC licenses were found to have film badge readings below the ALARA I (10 %) guideline by both quarters and the year to date from the time of the last RSC meeting. It was noted that Dr. Povalski's readings were slightly above the ALARA I guidelines but were significantly lower than the ALARA II guidelines. In addition, his readings were lower than previously seen in the past. Dr. Parrella noted that he had spoken to Dr. Povalski regarding his film badge readings and corrective measures to keep his readings as low as is possible. Dr. Povalski's readings in the future shall continue to be closely watched.

4. Review of radiation surveys: From the time of the last meeting, a review, by both quarters and the year, was conducted of the various radiation surveys required by the NRC. This review included but was not limited to measured ambient dose rates and wipe testing for removable contamination. All results reviewed were found to be acceptable, i.e. in compliance with NRC regulations and license conditions.

5. Review of nursing procedures (implant patients): It was noted that the review and revision of these procedures was still in progress. Ms. Koller questioned if nursing was involved in the process. It was noted that upon the completion of revision of the document by the RSO and Dr. Kwong, that it would be presented to nursing and the RSC for their review.

6. Nuclear medicine status report: It was noted that no diagnostic or therapeutic misadministrations had occurred in nuclear medicine since the time of the last RSC meeting. It was noted that Lynn Gershman, Gary Lunger, and Richard Tenpenny had recently conducted a review of the nuclear medicine records to ensure that full compliance with NRC and State regulations and licenses is maintained.

7. Radiation therapy status report: It was noted that since the last RSC meeting there were no therapeutic misadministrations found in the radiation therapy department. Further, the replacement of the Co-60 source in the Cobalt-60 AMS (Picker Model C-9) Teletherapy unit on April 1-2, 1990 was noted. This change resulted in much shorter treatment times for the patients currently being treated on this unit. The status of the linear accelerator project was discussed at this time. It was noted that acceptance testing of the accelerator is currently being conducted by Mr. Tenpenny and a Varian service representative. It was suggested by Mr. Klein to set a target date for completion of the project. It was finally decided that Sept 4, 1990 would be an acceptable target date for completion pending no unforeseen delays.

8. RIA status report: Dr. Baldi mentioned that they were changing over to EIA kits for a number of tests currently being performed by the RIA methodology in an effort to keep the total quantity of radionuclides in the RIA lab less than 200 microcuries. As previously noted, an increase in activity above this limit in the RIA lab would increase the amount of regulatory demands imposed by the NRC.

9. Radiology status report: Mr. Orlando noted there was nothing to report at this time.

10. Other: It was noted that a memo from Mr. Berg authorizing Mr. Steven Klein as his replacement on the RSC committee had been recently received. The committee agreed to Mr. Klein as a replacement member for Mr. Berg with regard to the RSC.

11. Meeting requirements for the RSC- It is noted that quorum of one-half the membership of the RSC must be present for a meeting to be held. The only members who MUST be at a RSC meeting are the RSO and the management representative. The NRC requirement for at least quarterly meetings of the RSC was reviewed at this time.

At approximately 12:25 P.M., it was decided to adjourn the meeting.

Richard Tenpenny
Richard Tenpenny
RSO



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406

JUL 28 1990

Docket No. 030-12960

License No. 29-09701-02

Riverview Medical Center
ATTN: M. S. Klein
Vice President Professional
and Medical Affairs
1 Riverview Plaza
Red Bank, New Jersey 07701

Gentlemen:

Subject: Routine Inspection No. 030-12960/90-001

On June 29, 1990, Jean Gresick-Schugsta of this office conducted a routine safety inspection at the above address of activities authorized by the above listed NRC license. The inspection was an examination of your licensed activities as they relate to radiation safety and to compliance with the Commission's regulations and the license conditions. The inspection consisted of observations by the inspector, interviews with personnel, and a selective examination of representative records. The findings of the inspection were discussed with you, and other members of your staff at the conclusion of the inspection.

Based on the results of this inspection, it appears that your activities were not conducted in full compliance with NRC requirements. A Notice of Violation is enclosed as Appendix A and categorizes each violation by severity level in accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C (Enforcement Policy). You are required to respond to this letter and in preparing your response, you should follow the instructions in Appendix A.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and your reply will be placed in the Public Document Room.

The responses directed by this letter and the accompanying Notice are not subject to the clearance procedures of the Office of Management and Budget as required by the Paperwork Reduction Act of 1980, PL 96-511.

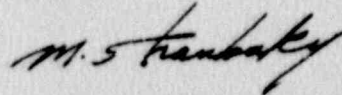
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Riverview Medical Center

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Your cooperation with us is appreciated.

Sincerely,



Mohamed M. Shanbaky, Chief
Nuclear Materials Safety Section A
Division of Radiation Safety
and Safeguards

Enclosure:
Appendix A, Notice of Violation

cc:
Public Document Room (PDR)
Nuclear Safety Information Center (NSIC)
State of New Jersey

APPENDIX A
NOTICE OF VIOLATION

Riverview Medical Center
Red Bank, New Jersey 07701

Docket No. 030-12960
License No. 29-09701-02

As a result of the inspection conducted on June 29, 1990, and in accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C (Enforcement Policy) (1988), the following violation was identified:

10 CFR 35.22(a)(2) requires that the Radiation Safety Committee meet at least quarterly.

Contrary to the above, the Radiation Safety Committee did not meet during the fourth quarter of 1989. The third quarter Radiation Safety Committee meeting was held on August 29, 1989, and no Radiation Safety Committee meeting was held until March 20, 1990.

This is a Severity Level IV violation. (Supplement VI)

Pursuant to the provisions of 10 CFR 2.201, Riverview Medical Center is hereby required to submit to this office within thirty days of the date of the letter which transmitted this Notice, a written statement or explanation in reply, including: (1) the corrective steps which have been taken and the results achieved; (2) corrective steps which will be taken to avoid further violations; and (3) the date when full compliance will be achieved. Where good cause is shown, consideration will be given to extending this response time.

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