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MEDICAL PHYSICS CONSULTANTS, INC.

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ANN ARBOR, MI 48103
313-662-3197

B. J. Holt
U.S. Nuclear Regulatory Commission, Region III
801 Warrenville Road
Lisle, IL 60532

September 21, 1994

Dear Ms. Holt:

As required in the CONFIRMATORY ORDER MODIFYING LICENSE to Ball Memorial Hospital, NRC License 13-00951-03, dated October 20, 1993, I am forwarding to you the report of my monthly audit of the Ball Memorial Hospital radiation safety program on August 26, 1994.

If you have any questions regarding this information, please call the 800 number on the letterhead and leave a message and I will get back to you as soon as possible.

Sincerely,

30-1586

Robert T. Anger, Jr.

Robert T. Anger, Jr., M.S.
ABR Certified Medical Nuclear Physicist

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September 21, 1994

Mitchell Carson
Vice President, Operations
Ball Memorial Hospital
2401 West University Avenue
Muncie, IN 47303

Dear Mitch:

In accordance with the NRC's CONFIRMATORY ORDER MODIFYING LICENSE dated October 20, 1993, I am providing a report of my monthly audit conducted August 26, 1994. A copy will also be forwarded to B. J. Holt at the NRC Region III office.

The visit began with the scheduled 7:00 am meeting with administration and authorized users:

Following your report that Mr. Marsh had indicated in a telephone conversation that the NRC's investigation had been turned over to the U.S. Attorney's office, the focus of our subsequent discussion involved an attempt to assess the hospital's position relative to the requirements of the confirmatory order. The consensus appeared to be that a point has been reached where some modifications to the confirmatory order are justified. Specifically, it seems to make sense to allow the nuclear medicine technologists to phone in the radiopharmaceutical orders to Syncor since the list of radiopharmaceuticals to be ordered is reviewed and signed by an authorized user. Also, I believe that Ed Wroblewski's visits can be reduced to a maximum of one day per week and that my monthly audit can be eliminated. Ed would still be able to perform a weekly review of the patient dosage records (assuming that this requirement remains in effect) and the remainder of his time would be spent training someone to eventually take his place as Assistant RSO. At some point it should be possible to spot-check the dosage records, but a full review remains possible if Ed is there once a week. The intent of my monthly audit could now be adequately accomplished during the routine quarterly audit by an MPC physicist. I indicated that I would draft a letter to the NRC requesting relief from the confirmatory order.

The QM Plan has been revised. One of the requirements of the QM Plan is insuring that all appropriate staff are aware of and understand the Plan. All of the technologists and all of the authorized users should document that they have read the Plan. This must be done for both Nuclear Medicine and Radiation Therapy.

I reviewed three I-131 hyperthyroid therapy procedures done since my last visit. All were in order and the new written directive form (with bioassay result) was used. In particular, the thyroid bioassays were all performed within the required 24 - 72 hours post administration.

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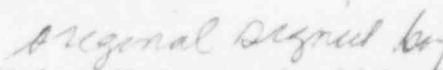
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I reviewed the patient dosage records in Nuclear Medicine and Nuclear Cardiology since my last visit and found them to be in compliance with the verification system described in BMH's letter and enclosures to the NRC dated Aug. 5, 1993.

I reviewed and recommended some modifications to the radiation safety policies for cardiac cath.

If you have any questions, please let me know. As decided after the morning meeting, my next visit will be September 23, 1994.

Sincerely,



Robert T. Anger, Jr., M.S., M.P.H.
ABR Certified Medical Nuclear Physicist