Riverview Medical Center
MEMBER OF THE MERIDIAN HEALTH FAMILY

J-3

Richard McKinley
U.S. Nuclear Regulatory Commission
475 Allendale Road,
King of Prussia, 19406-1415

29-0970-02
03012960

Mr. McKinley, enclosed please find the log from construction notes, referencing to the sale and removal of the Clinac 4 linear accelerator which was completed on January 31,1990. Hopefully this will clarify the issue of the depleted Uranium in Uranium-235 on our current license at Riverview Medical Center, 1 Riverview Plaza, Red Bank, NJ 07701.
At this time, I am asking for an amendment to License no. 29-0971-2 , removing the depleted uranium.

If you have any questions or require any additional information please contact Michael Cammarano, RT Radiology Manager at (732) 530-2529.

Sincerely,

Tim Hogan
President

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NMSS/RGNI MATERIALS 004

SMK asked if Chuck could get Varian to do it sooner?

Chuck said we will lose $7,000 a month in interest (on 80%).

SMK asked if we could push delivery date back; Chuck thinks maybe because of Varian's 11/2 letter.

Economics a big concern and also scheduling patients in advance.

We do have 60 days free storage from date of delivery.
Chuck asked Jim to put together what the architect expects. (Jim will have the architect do that tomorrow a.m.)

TIMETABLE:

Plans out to Varian 11/15/89
Receive back from Varian by 12/8/89
Receive back from Ryan by 1/2/90 (finished document for bid)
Send bid documents out by 1/4/90
Have bids back by 1/12/90
Sell old linear accleratator to Accelltronics 1/15/90
Construction will start 1/22/90
(construction time will take 5-6 weeks - installation time not included)

Each contractor's bid must be in accordance with PPB's plan for shielding..

Shielding will be all lead.

Jim advised that we also need a general contractor to disassemble the wall. (not bid?)

R. Tenpenny will review PPB's plan tonight to make sure everything is okay.

Problem: doing noisy work during daytime hours 8 a.m. to 4 p.m. Difficult to treat patients in the next room.

S.M. Klein: If Varian can be pushed back one month, we would have extra time to accommodate delays in construction. Even if they cannot be pushed back, we still have the 60 day storage period. Or they might possible extend the free storage period for an additional 30 days.

Paul Crotty suggested treating patients in the evening during the few days of noisy construction.

JPE stressed that when the plans come back from Ryan (ready for bid), C. Orlando and group have to sign off and after that there can be no changes. There would have to be something absolutely wrong to change at that point.

Chuck needs to see plan before Ryan gets it.

Chuck Orlando should see the plans at each stage as they develop for

RECORD MEMO: Linear Accelerator **J.P. Erving**

of the floors suitable for this path. I scheduled a meeting with Pat Cuozzo for Wednesday, 1/31/90, at 11:30 a.m.

1/31/90- Date the old linear accelerator was removed.

Monday
2/12/90- B&W Construction removed the existing acoustical ceiling and air conditioning duct work from the accelerator room. Electro Maintenance removed all wiring from the ceiling of the accelerator and replaced new continuous wiring from over the console to each receptacle in the side walls for the laser receptacles.

Monday
2/12/90- George took detailed dimensions of the existing ceiling electrical outlet poses that will be abandoned. He will make a diagram of the conduit connecting points.

Tuesday
2/13/90- PPB men started work on lead shielding ceiling inside the accelerator room. Pat Cuozzo dropped off the latest progress prints (A-1 & A-2). Pat Cuozzo made a field visit. Problem with recirculating dust out of room.

Tuesday
2/13/90- Pat Cuozzo decided that DiStasio & VanBuren, Inc. should be consulted on drilling of holes into the ceiling of the accelerator room. He will contact them. They will visit the job site with magnatometer to check rebar locations in ceiling slab.

Tuesday
2/13/90- B&W placed filters in air return system for accelerator room.

Wednesday
2/14/90- Richard Tenpenny and Chuck Orlando questioned me on ceiling integrity due to drilling holes in lead. I contacted Jim Parrott, Sr. at PPB immediately. He explained in layman's terms that the steel bolts are of a greater length than the lead and that they are such a good fit in the hole and since radiation of this nature does not travel in straight lines, that it has been determined to be an acceptable method in the industry. He gave me the name of Gene Tochilin, the Varian physicist (phone number 415-424-5101), who has conducted many field tests and can provide information on this. Jim will provide me with a letter this date referencing the shielding issue and Varian physicist. He will fax this to me.

Wednesday
2/14/90- John E. Ziegler from DiStasio & VanBuren, Inc. came to check the location of rebar. I took him to the room; he started to do his tests; I had other business to attend to.

10:50 a.m. - J. Ziegler called me and advised that he was concerned with the way the shielding was being drilled without locating the rebar. He asked for help and requested that work be

storage of equipment left more than 60 days after 12/29/89.

Wednesday
11/22/89 Received a copy of a letter from Varian (addressed to C. Orlando) advising a revised authorization for shipment to storage for 90 days rather than 60 days (shipment - 12/29/89).

Wednesday
11/22/89 Received a copy of the letter from Acceletronics, Inc. (addressed to C. Orlando) for a firm quotation for the purchase of the Varian Clinac 4 on or before 2/1/90.

Tuesday
11/28/89 Met with Walter M. (B&W).

Wednesday
11/29/89 2:15 p.m. - Met with Walter M. (B&W).
2:30 p.m. - Met with C. Orlando, P. Crotty and W. Matejovic re: linear accelerator construction coordination (see agenda in file).

Friday
12/8/89 Some lead delivered for linear accelerator.

Monday
12/11/89 Remainder of lead and door assembly for total job delivered. Presents some storage problems; will have to work out.

Monday
12/11/89 PPB workmen start installation of lead on wall "D", cobalt room, phase 1. Unknown wall cavity detected...telephone calls to Jim Parrott...men revise hanging method...problem solved.

Wednesday
12/13/89 Work continues on installation of lead.

Wednesday
12/13/89 Spoke with Pat Cuozzo...he advised that he had not yet received drawings from Varian (obviously this will affect our ultimate construction schedule). I spoke with Chuck Orlando, advised him of my conversation with Pat. Chuck told me about the different calls he has made and I advised him that I was sending him a memorandum on this subject. (See memo in file.)

Wednesday
12/20/89 D. O'Such sent me paperwork in order to work on an extension on our certificate of need. I had previous discussions with him; I will get this done as soon as I possibly can.

Thursday
12/21/89 Met with Bob Belicose...he had some revisions that they wanted made to the control equipment configuration, which will necessitate a change in the case-work layout. Bob had a total of 4 sketches and a marked-up copy of the Varian outline drawing for