

Docket No. 030-20328  
License No. 48-23163-01

Date: 2/9/94

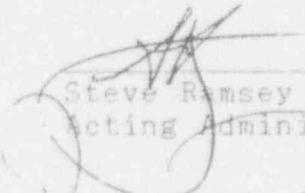
To: Nuclear Regulatory Commission, Region IV  
ATTN: Dwight D. Chamberlain, Acting Director  
Division of Radiation Safety and Safegaurds  
611 Ryan Plaza Drive, Suite 400  
Arlington, Texas 76011-8084

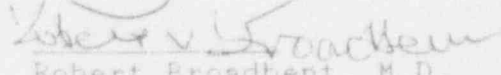
From: Powell Hospital District  
dba. Powell Hospital & Nursing Home  
Tom Assay, Imaging Department Manager  
777 Ave. H  
Powell Wy. 82435

Re: Reply to a notice of violation

We have striven to run our program in accordance with the Nuclear Regulatory Commission regulations. We believe that our performance since our last inspections demonstrates our sincere determination and desire to operate in compliance. We also are engaging those services that will assist us in our Nuclear Medicine operation.

Please find attached our response as indicated by your request.

  
Steve Ramsey  
Acting Administrator

  
Robert Broadbent, M.D.  
Radiation Safety Officer

  
Tom Assay  
Imaging Department Manager

cc w/enclosures  
Wyoming Radiation Control Program Director  
File

150062

9402170279 940209  
PDR ADOCK 03020328  
C PDR

1207  
11

Violation Noted "A"

Accuracy test for dose calibrator.

1. The reason for the violation, or the reason for disputing the violation:

Due to a misunderstanding of the regulation and of the last inspection, which we felt dealt with the loaner dose calibrator. We failed to perform the accuracy test for our dose calibrator when it was returned to us. We felt that the accuracy test that was performed at the point of service was sufficient.

2. The corrective steps taken and results achieved:

The same day as the inspection, we had our Nuclear consultants perform an accuracy test on our dose calibrator. This was found to be within normal limits. We have hired Nuclear consultants to assist us in our program.

3. The corrective steps taken to avoid further violation:

We will have this performed whenever our dose calibrator is sent away and returned, and whenever a loaner dose calibrator is received. We have hired Nuclear consultants to assist us in our program.

4. The date full compliance will be achieved:

1/13/94

(see attached)

Violation noted "B"

Membership Radiation Safety committee

1. The reason for the violation, or the basis for disputing the violation.

We failed to have the authorized user for I-131 therapy attend our Radiation Safety committee meeting. We have never had this mentioned in any other inspection. I visited with our I-131 therapy authorized user, and he states that he felt that Dr. Broadbent was also acting as his representative. He also stated that he will begin attending.

We realize it is our responsibility and to this end have hired a Nuclear consultant to review our program.

2. The corrective steps that have been taken and the results achieved:

I have spoken to the authorized user of I-131 therapy on our license and he has agreed to attend. We have also hired a Nuclear consultant to review our program.

3. The corrective steps that will be taken to avoid further violation.

The authorized user will now attend our Radiation Safety committee meeting. We have also hired a Nuclear consultant to review our program.

4. The date full compliance achieved:

1/19/94

(see attached)

## RADIOISOTOPE / SAFETY COMMITTEE MEETING

1/31/84

THOSE PRESENT: Janna Barnes DON, Tom Assay Department Manager, Bob Broadbent RSO, Jim Moeller authorized user I-131 therapy, Russ LeMasters staff tech.

The committee reviewed and approved minutes of the last meeting.

Tom said that the Nuclear consultant was here on the 13th.  
Tom said that the NRC was also here on the 13th.

Tom reported that he was very pleased with the NRC inspection. Tom said that two violations were found, both minor. However, one was a repeat violation that was due to a misunderstanding of the regulation and of the last inspection. Tom said that this violation was taken care of the same day as the inspection, by our Nuclear consultant. Tom said that the other violation, will be taken care of by this meeting. This violation was that we did not have Dr. Moeller at our Radiation Safety meetings, as the authorized user for I-131 therapy. Tom said that we will have to make arrangements with Dr. Moeller to be involved with our meeting.

Tom thanked Dr. Moeller for coming in.

Tom said that the Nuclear consultant did an in-depth review of our operation and had several suggestions for modification to make our program run smoother and to please the NRC. Tom said that these changes will be made soon. Tom presented the letter from the consultant for committee review.

Tom presented the calendar for the month of February.

Tom presented the ALARA program for review.

Tom presented all reports received since the last meeting.

Tom presented all correspondence received since the last meeting.

Tom turned the time over to Dr. Broadbent.

Dr. Broadbent asked if Dr. Moeller had anything to discuss. Dr. Moeller said that he and Tom had discussed the NRC inspection and the consultant recommendations and felt that those pertaining to the QM program for I-131 therapy were now in place. Dr. Moeller said that he felt everything was going well.

Dr. Broadbent asked if there was anything that Administration or Nursing had to discuss. Janna Barnes said that she was glad the inspection had gone well.

Dr. Broadbent asked if the department had anything to discuss. Tom said he had nothing.



## DOSE CALIBRATOR ACCURACY TEST

Facility: Powell Hospital and Nursing Home  
Powell, Wyoming

Date: 1-13-1994

Surveyor: M.E. Jafari, M.S., F. Jafari, Ph.D., Ph.D.  
Western Radiological Physics, Inc.  
P.O. Box 6097 Laramie, WY 82070

Manufacturer: Sun Nuclear Model: 34-061, Cal/Rad Upgrade SN: C123

Calibration Sources: Cs-137, Nuclear Associates 67-356, SN: 11816-40  
208 uCi on 07-01-1984

Ba-133, ICNC&R Division, MLD-01, SN: 27915C  
265 uCi on 04-19-1985

## Dose Calibrator Accuracy Test Assay Measurements:

Background values have been subtracted from the assay measurements given below.

Source	Assay 1 uCi	Assay 2 uCi	Assay 3 uCi	Average uCi	Calcul. Activity	Percent Error
Cs-137	162	174	169	168.3	166.9	+0.8%
Ba-133	156	152	150	152.7	150.5	+1.5%

## Assay of Cs-137 Source at Commonly Used Radioisotope Settings:

Setting:	Tc-99m	Mo-99	I-123	I-131	Tl-201
Reading:	184 uCi	5.38 mCi	150 uCi	240 uCi	173 uCi

RESULTS: ACCURACY IS ACCEPTABLE. ALL ERRORS ARE LESS THAN +/-5%.  
The next test is due 01-13-1995, however an accuracy test must also be done if the dose calibrator is repaired, replaced, or reinstalled.

Signature of Surveyor: M.E. Jafari

Mary Ellen Jafari, M.S.  
ABR Certified Physicist

RSO Signature: Robert V. Broadbent

Robert V. Broadbent, M.D., Radiation Safety Officer