

DCD

September 25, 1997

T. Gregg Watson, Administrator
Aurora Medical Centers of
Sheboygan County Inc.
2629 North Seventh Street
Sheboygan, WI 53081

SUBJECT: NOTICE OF VIOLATION DATED AUGUST 14, 1997

Dear Mr. Watson:

This acknowledges receipt of your letter dated September 8, 1997, in response to our letter dated August 14, 1997, transmitting a Notice of Violation.

We have reviewed your corrective actions, which appear to be adequate, and have no further questions at this time. These corrective actions will be examined during a future inspection.

Sincerely,

Original signed by

John R. Madera, Chief
Nuclear Materials Inspection Branch 1

License No.: 48-18654-01
Docket No.: 030-13993

cc: William D. Stetter,
Radiation Safety Officer

w/lttr 9/8/97
bcc: PUBLIC
H. Clayton, R III

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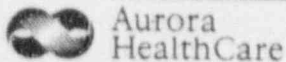
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Sheboygan Memorial Medical Center
Valley View Medical Center



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Plymouth, WI 53073
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September 8, 1997

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D.C.

REPLY TO NOTICE OF VIOLATION
License No 48-18654-01
Docket No. 030-15993

In response to the Notice of Violation dated August 14, 1997 I offer the following:

1. The violation was a result of the licensee not having a good understanding of the method used to achieve the MDA of 188.76 using the scintillation camera. I could not produce the 100CPM background level, due to a misunderstanding on how to configure the camera for this procedure. After meeting with my consultant and discussing how the camera was set up for the MDA calculation, I was able to achieve the stated background reading.
2. As pointed out by Mr. LaFranzo, who was the individual performing the inspection, even if the scintillation camera could be shown to have an MDA of 188 DPM for iodine, this would be so close to the 200 DPM minimum that an alternative method would be desirable. Hence, we performed an MDA for I-131 using a well counter located in our clinical lab (see attachment). The MDA with the Beckman well counter was 50.58 DPM.
3. From this point forward, we will be using the Beckman well counter for counting wipe tests to determine removable contamination of less than 200 DPM of iodine 131. We will retain the results of these determinations in the patient file for regulatory review.
4. This corrective action became effective three days after the NRC inspection, July 27, 1997.

I hope that this corrective action meets with your approval, and thank you for bringing this issue to my attention. I look forward to hearing from you, as I understand I will receive confirmation from you that this corrective action satisfies the regulation.

Sincerely,

A handwritten signature in cursive script that reads "William Stetter".

William Stetter RSO

9709170172 opp.

SEP 16 1997

Radiation Detection Efficiency

Facility: Sheboygan Memorial Medical Center

Date: 7/27/97

Instrument: Beckman Well Counter

Model: Gamma 400

Serial #: 379105

Source Activity : 0.753 uCi of I-131

Source Activity : 1656600 dpm

Source Counts #1: 375613 cpm

Source Counts #2 : 377105 cpm

Average: 376359 cpm

Counting Time 10 minutes

Background Counts: 353 cts/10 minutes

Average Bkg. 35.3 cpm = Room Background

Net Source Counts: 376323.7 cpm

Counting Efficiency: 4.40 dpm/cpm

5.00E+05 cpm/uCi

0.05uCi= 24990.64 cpm

MDA for : I-131

11.49 cpm

2.30E-05 uCi

50.58 dpm