

D.G. Wiedeman, Acting Chief
Materials Radiation Protection, Section I
U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Mr. Wiedeman:

I am writing in reference to your letter to the Kirksville Osteopathic Hospital on March 18, 1981. The following letter will be the written response you so desired stating how we have corrected our noncompliance measures.

Noncompliance Item NO. 1, Dose Calibrator daily consistency checks:

1. Corrective action taken and the results achieved.
 - a. Graphs have been drawn showing the decay of both 137-Co and 57-Co for the next 350 days. A value has been calculated for $\pm 5.0\%$ of the the standard sources and plotted on the above graphs. These graphs will be used daily to record the assay of the 137-Co and 57-Co sources. The actual assay of these two standards will be recorded in our daily consistency check log book in the same manner as in the past. A Column has been added to the daily consistency log book for reecording the daily consistency check of the 133-Xenon setting. This position will be routinely checked each day along with the other isotope positions checked.
2. Corrective action to be taken to avoid further non-compliance.
 - a. Quarterly evaluation of our records will be made by a consulting physicist and reported to the Medical Isotope Committee. Further graphs of the theoritical quantities of each standard will be supplied as they become necessary by physicist. Individuals responsible for maintaining these records have been directed by the Medical Isotope Committee that no further noncompliance with respect to dose calibrator daily consistency checks will be tolerated.
3. Date when full compliance was achieved.
 - a. Full compliance with respect to daily dose calibrator checks was achieved on March 23, 1981.

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4. Non compliance Item NO. 2, 133-Xenon trap leakage check during each procedure.

Corrective action taken and results achieved.

- a. A length of plastic tubing has been attached to the ventilation port of the 133-Xenon trap. The effluent from this tube will be monitored with a low level survey meter. If leakage occurs the date and maximum survey meter reading will be recorded, and the 133-Xenon trap will be replaced. A standby 133-Xenon charcoal filter has been ordered, and will be on hand for replacement should the present trap leak. The trap has been checked for leakage and is not leaking as of this date.

Corrective action to avoid further noncompliance.

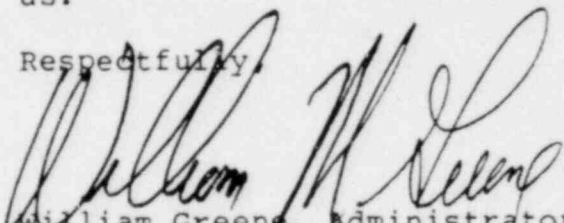
On the day that 133-Xenon procedures are performed, the results of pre-procedure check, check during procedure, and post-procedure check will be documented, and all survey meter readings will be recorded.

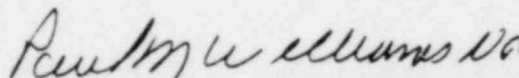
Date of full compliance.

Full compliance has been achieved on March 23, 1981.

If you have any questions concerning the above, do not hesitate to contact us.

Respectfully,


William Greene, Administrator
Kirksville Osteopathic Hospital
704 West Jefferson
Kirksville, MO 63501


Paul M. Williams, D.O.
Radiation Safety Officer
Kirksville Osteopathic Hospital
704 West Jefferson
Kirksville, MO 63501

WANDA WEBBER
NOTARY PUBLIC STATE OF MISSOURI
ADAIR COUNTY
MY COMMISSION EXPIRES AUG. 26, 1984

Wanda Webber
3/26/81