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September 19, 1986

U. S. Nuclear Regulatory Commission
Radioisotopes Licensing Section
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

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By: *[Signature]*

Re: Amendment to NRC Radioactive Materials License #13-14823-01

Gentlemen:

We request amendment to our NRC Radioactive Materials License #13-14823-01 for the following:

1. We request use of the "Calicheck" (CalCorp) system or "Lineator" system (Atomic Products) as an alternate method of performing dose calibrator quarterly linearity checks. The product certifications for those devices are on file with the NRC.
2. We request an alternate method of assaying wipe test (smear test) samples for detecting surface contamination. Because of the relatively small quantities of radioactive materials used at our hospital, we feel the following procedure is sufficient to detect surface contamination levels:
 - a) Wipe test samples will be assayed by holding the smear immediately adjacent to the open window of our low level g. m. survey meter. Care will be taken to avoid contamination of the probe.
 - b) The smear will be held adjacent to the probe for approximately 30 seconds to ensure that any contamination over normal background levels will be detectable.
 - c) Normal background levels at our hospital are approximately 0.05 mr/hr. Any wipe test reading over that level will indicate the need to decontaminate the tested area.
3. Change the frequency of calibrations of our survey meters and dose calibrator to annual rather than semi-annual. We plan to use the calibration services of any individual or firm specifically licensed by the NRC or Agreement State to perform and certify such calibrations. One such firm is Stan. A. Huber Consultants, Inc. - New Lenox, Illinois (NRC License #12-17503-01).

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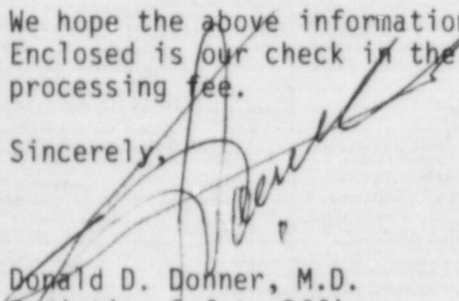
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4. Leak testing of sealed sources will be performed on a semi-annual frequency. We will to use the testing services of any individual or firm specifically licensed by the NRC or Agreement State to perform and certify such leak tests. One such firm is Stan A. Huber Consultants, Inc. - New Lenox, Illinois (NRC License #12-17503-01).
5. Indicate a change of nuclear consulting firms to Stan A. Huber Consultants, Inc. - New Lenox, Illinois (NRC License #12-17503-01)

We hope the above information is sufficient to grant our request for amendment. Enclosed is our check in the amount of \$120 to cover the cost of the amendment processing fee.

Sincerely,


Donald D. Donner, M.D.
Radiation Safety Officer

:amw

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