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July 20, 2009

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REGION 1

Ms. Pamela Henderson, Chief
Medical Branch Division of Nuclear Materials Safety
United States Nuclear Regulatory Commission
Region 1
475 Allendale Rd.
King of Prussia, PA 19406-1415

RE: Notice of Violation
Docket No. 03032352
License #29-02023-06

2009001

Dear Ms. Henderson:

The safety inspection conducted on October 18, 2007 revealed two areas of deficiency. Both deficiencies dealt with the quality control checks done on the high dose remote afterloader "quality control program."

The first problem was related to the measurement of timer linearity over the typical range of use. At that time (October 2007) this measurement was carried out using time intervals up to two minutes (120 seconds.) The highest time interval was suggested by the physicist who was on our NRC license at that time. This represented a change from the previous time range measurement of up to five minutes (300 seconds.)

In accordance with the inspector's recommendation, the highest time interval used for timer linearity was then returned to the previous five minutes as had been employed prior to this physicist's assumption.

It was found in a recent inspection that the highest time interval of 300 seconds time factor was still insufficient inasmuch as we were now doing more Mammosite treatments and therefore, the single source required longer treatment times. Henceforth, the longest time interval used for linearity calibration will be measured over a period of 700 seconds. This new time interval became a requisite following the inspection on June 9, 2009.

A second deficiency found in the October 18, 2007 inspection concerning timer accuracy had been added to all subsequent reports following the 2007 inspection and was not found deficient on the present examination of June 9, 2009.

NMSS/RGNI MATERIALS-004

Sam I. Brown, M.D.

George A. Dawson, M.D.

I trust that these corrective measures will fulfill the QA requirements of the Nuclear Regulatory Commission criteria in order to maintain and fully comply with the Quality Control program for our high dose afterloader.

Thank you for your attention.

Sincerely,

A handwritten signature in black ink, appearing to read "Brown", written in a cursive style.

*Sam L. Brown, M.D.
President/Medical Director
Radiation Safety Officer*

SIB/mad