



**GOOD  
SAMARITAN  
MEDICAL CENTER**

**Lutheran Hospital Campus**

DEPARTMENT OF PATHOLOGY  
LABORATORY MEDICINE & NUCLEAR MEDICINE

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February 21, 1983

D.G. Wiedeman, Chief  
Material Radiation Protection - Section I  
United States Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Dear Sir:

This is in reply to your letter of January 26, 1983 regarding the results of the routine safety inspection conducted by Dr. L.W. Shatterly on January 5, 1983 at Good Samaritan Medical Center, Lutheran Hospital Campus, NRC Byproduct Material License No. 48-02462-05.

Regarding the items of non-compliance in the notice of violation, the following corrective actions have been or will be taken as noted below:

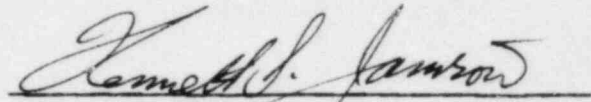
1. Beginning with the first quarter of 1983, the Medical Isotope Committee (Radiation Safety Committee) meetings will be held quarterly.
2. Wipe tests are now being performed on the external surface of each final source container of incoming packages; the wipes are now being assayed, and the results recorded.
3. Preparation areas are now being surveyed daily and weekly surveys now include wipe tests. Appropriate records are now being maintained.
4. A high level survey meter has been obtained to provide a range of 0 to 1,000 mR/hr.
5. With regard to the dose calibrator, quarterly linearity checks will be performed beginning with the current quarter, with plot of measured versus calculated activity, and confirmation of the instrument's linearity within  $\pm 5$  percent.

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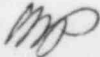
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A standard in the 100 microcurie range will be obtained, and used to perform daily constancy checks in the commonly used radionuclide settings, e.g., technetium 99m, iodine 131, and xenon 133. The geometrical variation tests and linearity tests will be performed beginning with the current quarter. The 100 microcurie source will be obtained as soon as practical, but within one calendar quarter.



Kenneth S. Jamron  
President  
Good Samaritan Medical Center

Report Prepared By:   
William J. Pier, Jr., M.D.  
Radiation Safety Officer

cc: Dr. LaFond  
Mr. Derewicz

WJP:b