

# Schoolcraft Memorial Hospital

David B. Jahn  
Acting  
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December 22, 1982

Mr. D. J. Sreniawski, Chief  
Materials Radiation Protection  
Section 2  
United States Nuclear Reg. Comm.  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois - 60137

RE: License No. 21-16542-02

Dear Sir:

In response to your list of deficiencies following your routine safety inspection by Ms. E. Matson on September 21, 1982. The following action has been taken:

1. License Condition No. 17:

Linearity Tests on the dose calibrator will be done on a quarterly basis, starting with the month of January 1983, April 1983, August 1983, and December 1983 (Quarterly) and will be done in accordance to our licensure and NRC requirements.

2. License Condition No. 12:

Dr. Bolitho has received the applications for authorization to use or supervise the licensed material as stated under license condition number 12. You will be receiving varification of same in the near future.

3. 10 EFR 35.14(e):

Leak tests will be done every six (6) months, starting with Janaury 1983 on our Cesium-137 and Barium-133. They will be sent to Ronald V. Scheele our Radiation Physicist. He has sent us instruction on how to perform this procedure. These instructions are attached to this letter.

4. License Condition No. 15:

We are now performing wipe tests on all of our Mo99/Tc99m generators and Iodine 131.

Trusting the above will bring us into compliance and meet with the requirements.

Sincerely,

SCHOOLCRAFT MEMORIAL HOSPITAL

*David B. Jahn*  
David B. Jahn, Acting Administrator  
cc: William Carlson, X-Ray Dept.

DBJ/rdc

DEC 27 1982

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## WIPE TEST PROCEDURES

### Sealed Therapy Needles and Tubes

Some precautions first:

1. Always work behind lead bricks or the equivalent to shield yourself.
2. The NRC requires extremity monitoring for people who handle sealed sources. Use it.
3. Never handle the sources with your hands. Always use long forceps.

Use long handle Q tip type applicators to wipe the source. Dip the Q tip into alcohol ( water will do, too) to moisten the cotton end. Take the sealed source with the long handle forceps. Wipe the surface of the source with the moistened Q tip. Replace the source into its shielded container. Take the Q tip, break off part of the handle and place it into a small test tube or other container which can be sealed. Seal the container. Mark each container so that the wipe can be identified with a particular source. Leak tests must be done on a semiannual basis.

### Nuclear Medicine Sources

As a rule any source with an activity of 100 microcuries or more must be leak tested every six months. This would include reference vials, solid flood phantoms, etc. As above, good handling procedures should be used. Always wear an extremity monitoring device when handling any nuclear medicine source. Use the same Q-tips as above. Moisten them with water or alcohol. (Note: Some plastic sealed sources, such as NEN Co-57 flood sources, cannot be wiped with organic solvents. These must be wiped with water) Wipe the areas where contamination would most probably be found. On vials, this would include under the cap and along seams. On flood sources, this would include any seam. Also wipe both the front and back of any flood source. Place each wipe in a container and seal the container. Mark the container so that the wipe can be identified.

Send the wipes to me and I will count them and generate a report back to you. Please note the date of the wipe test. This is important, especially for cobalt-57 sources which decay at about 0.3%/day.