

University Hospitals of Cleveland

Lakeside Hospital - Rainbow Babies & Childrens Hospital - MacDonald House - Leonard C. Hanna House - Howard M. Hanna Pavilion - Abington House - George M. Humphrey Building
Ambulatory Services - Wearn Medical Research Laboratories - University Suburban Health Center

UNIVERSITY CIRCLE / CLEVELAND, OHIO 44106

September 21, 1982

D.J. Sreniawski, Chief
Materials Radiation Protection, Section 2
US Nuclear Regulatory Commission, Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Re: License No. 34-05469-01
Your letter of August 26, 1982

Dear Mr. Sreniawski:

This is being written in response to your letter and the accompanying notice of violation. The following actions have been taken to correct the items of non-compliance.

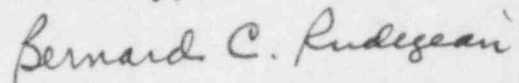
- 1a. The Radiation Safety Officer, Dr. P.S. Rao, surveyed the routine use areas, including Room 471 of Rainbow Babies and Childrens and Rooms 312 and 201 of Pathology, on August 12 and 13, 1982. All features of the survey were satisfactory. Further surveys will be carried out at 6-month intervals.
- 1b. The radioisotope laboratory in Nuclear Medicine has been surveyed daily since August 11, 1982. All features of each survey were satisfactory. The routine procedures within the laboratory have been clarified so that the daily survey will not be overlooked.
2. The guidelines used by the radioimmunoassay (RIA) laboratory regarding disposal of solid wastes have been changed. They now conform to Section K. Items 1 and 2, of our Radiation Safety Program manual, which is a part of our current license. The waste that is contaminated with iodine-125 (approximately 8 μ Ci per week, distributed among about 20 plastic bags) is surveyed with a low level survey meter in a low background area. If the radiation level is above background the material is stored for decay, otherwise it is discarded with regular dry trash. The storage area is adjacent to the RSO's office in the sub-basement of Bishop Building and has been approved in our current license. The waste that is contaminated with Hydrogen-3 (approximately 0.6 μ Ci per week contained in one plastic bag) is disposed of for burial by approved contractor.

We are taking steps to apply for a second byproduct material license, of the type provided for in 10CFR 31-11, for the in vitro testing in our clinical laboratories. We anticipate that with that license we shall be able to simplify some of the procedures governing the activities of the RIA laboratory.

3. All personnel who have been issued finger badges have been instructed in their use by the RSO and will be required to wear them. A rack has been installed near the work area so as to facilitate overnight storage of radiation monitors and thus minimize chances of their being misplaced.
4. The 14 mCi americium-241 sealed source was leak tested by the RSO on August 12, 1982. No leakage was observed. The test will be repeated at 6-month intervals.
5. Air flow rates in xenon use areas were measured by the RSO on September 13 and 14, 1982. All rates were found to be satisfactory. The measurements will be repeated at 6-month intervals.

If any further response is required, please call or write to Dr. P.S. Rao, RSO. His telephone number is (216) 444-1295.

Sincerely,



Bernard C. Rudegeair
Assistant Vice President

BCR:sk
cc: Document Management Branch
Washington, D.C. 20555