UNITED STATES ATOMIC ENERGY COMMISSION

COMPLIANCE INSPECT	ION REPORT		
1. Name and address of licensee or permit holder	2. Date of inspection October 10, 1957 3. Type of inspection		
Lakewood Hospital Nuclear Medicine Department			
14519 Detroit Avenue			
Lakerrood, Ohio	Routine		
	4. 10 CFR part(s) applicable		
	20 and 30		
6 Scope of license(s) and permit 100 millicuries Iodine 131 (iodide) for diagnosis thyroidism and cardiac dysfunction. 2 millicuries Iodine 131 (IHSA) for determinatio 50 millicuries Phosphorus 32 (soluble phosphate) leukemia. 7 Special conditions and limitations of license(s) or permit Byproduct materials are to be used by, or under the address given above. Waterial for human use to be procured preassayed for	of thyroid function. Treatment of hyper n of blood volumes. for treatment of polycythemia vera and e supervisic of, Dr. W. J. Fayen, at the or quantity and radiochemical purity.		
to be sterilized for parenteral administration Licensee to comply with 10 CFR 20 (January 29, 195			
Approximately 200 millicuries of Iodine 131 are protected the programs. Byproduct material is product from Abbott Laboratories. Instructions for nurses are available. Facilities and equipment are available product material. No overexposures have been encoblem associated with the oral method of administratized user, is aware of the conditions of the licenconcerning incidents.	red, as needed, in single-dose amounts regarding the use of radioactive isoto; able for administering and handling by-untered. There is no waste disposal protion used. Dr. William J. Fayen, author		
None .			
Give date of last previous inspection: None.			
 Is "Company Confidential" information contained in this report? No. (Specify page(s) and paragraph(s)) 	٤٥		
DISTRIBUTION:	Eugene J. Moretti		
Dr. Warvin M. Mann	(Instactor)		
Division of Inspection	Roy C. Hageman, Director		
Washington, D. C. (2 cys)	Inspection Division, COO		
	TIPE COLUMN PAYABLONS COO		
	(Operations office)		

If additional space is required for any numbered item above, the continuation may be extended to the reverse of this form using foot to head format, leaving sufficient margin at top for binding, identifying each item by number and noting "Continued" on the face of form under appropriate item.

(Date report prepared)

RECOMMENDATIONS SHOULD BE SET FORTH IN A SEPARATE COVERING MEMORANDUM

Continuation Sheet #1 Lekewood Hospital Lakewood, Ohio

October 10, 1957

DETAILS

- 12. E. J. Oparka, Inspection Division, Chicago Operations Office, accompanied the inspector.
- 13. Dr. W. J. Fayen, authorized user, was interviewed.

14. Organization

Dr. W. J. Fayen directly supervises the Nuclear Medicine Department of the hospital. He is the sole user of byproduct material in clinical diagnosis and therapy work. He is also directly responsible for the Nuclear Medicine Department in the St. John's Hospital, Cleveland, Ohio, where he is authorized to use byproduct material under License 34-869-1.

Dr. Fayen has had two years' experience in handling byproduct material while engaged in diagnostic and therapy programs at the Crile Veterans Administration Hospital, Cloveland Clinic, and St. John's Hospital, all in Cleveland, Ohio.

The hospital has an active isotope committee which meets periodically to supervise and review the Radioisotope Laboratory operations.

The Isotope Committee is composed of the following members:

Tomas W. Knickerbocker, M.D.
Chief, Division of Radiology, Chairman
James T. Ledman, M.D.
Chief, Division of Medicine
Helen R. Cash, M.D.
Board Qualified in Internal Medicine
Oliver Eitzen, M.D.
Chief, Division of Pathology

The Medical Staff of Lakewood Hospital has placed Dr. T. W. Knickerbocker, Radiologist, in charge of radiological safety throughout the hospital.

Written administrative instructions regarding the use of radioactive isotopes are available for marcas.

15. Scope of Work

Approximately 200 millicuries of Iodine 131 are procured yearly for use in diagnosis of thyroid function and treatment of hyperthyroidism and heart conditions.

The byproduct material program has been limited to the use of Iodine 131, to date, and is as follows:

Radioisotope		Program	Cases	Total Amount	
Iodine Iodine		Diagnostic Therapeutic	260 13	-	millicuries millicuries

The program administers to both impatients and outpatients. Approximately 50% of the program is devoted to outpatients.

16. Facilities and Equipment

The Nuclear Medicine Department is located on the second floor of the hospital. The Isotope Laboratory is a 24' x 30' room equipped with byproduct material handling and storage equipment. Radiation warning signs are posted in the Radioisotope Laboratory.

Continuation Sheet #2 Lakewood Hospital Lakewood, Ohio

October 10, 1957

16. Facilities and Equipment (continued)

The following radiation measuring and monitoring devices were available:

5C-33 P-20 A.4 Scintillation Probe Tracerlab Tracerlab P-20 AW Well Counter Jordan AOB-LOK-SR Portable Laboratory Monitor Victoreen Shil A Pocket Dosimeter

17. Records

Material control is effected by maintaining purchase and disposition records. A single therapeutic dose of 7 millicuries of Iodine 131 was on hand, in preparation for administering to a patient the next day. No inventory is maintained.

Background and area surveys are reflected in the patient uptake study records.

Area surveys are performed after each the rapeutic treatment.

No overexposures have been encountered in this program.

18. Waste Disposal

to Manual to Unused 50-microcurie diagnostic capsules, if any, are stored in original shipping containers behind a lead brick shield until decayed to 5 microcuries or less, then disposed to the sewer.

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