FORM AEC-591
(6/71)

UNITED STATES ATOMIC ENERGY COMMISSION

DIVISION OF COMPLIANCE

INSPECTION FINDINGS AND LICENSEE ACKNOWLEDGMENT

1. LICENSEE	2. REGIONAL OFFICE
Woodland Medical Group 22341 W. Eight Mile Road Detroit, Michigan 48219	U. S. ATOMIC ENERGY COMMISSION DIRECTORATE OF REGULATORY OPERATIONS REGION III 799 ROOSEVELT ROAD GLEN ELLYN, ILLINOIS 60137

3. DOCKET NUMBER(S)	4. LICENSE NUMBER(S)	5. DATE OF INSPECTION
	21-13255-01	July 17, 1972

6. INSPECTION FINDINGS

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Commission's rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The findings as a result of this inspection are as follows:

☐ No items of noncompliance or unsafe conditions were found.

The following items of noncompliance related to records, signs, and labels were found:

☐ A. Rooms or areas were not properly posted to indicate the presence of a RADIATION AREA. 10 CFR 20.203(b) or 34.42

☐ B. Rooms or areas were not properly posted to indicate the presence of a HIGH RADIATION AREA. 10 CFR 20.203(c) (1) or 34.42

☐ C. Rooms or areas were not properly posted to indicate the presence of an AIRBORNE RADIOACTIVITY AREA. 10 CFR 20.203(d)

☐ D. Rooms or areas were not properly posted to indicate the presence of RADIOACTIVE MATERIAL. 10 CFR 20.203(e)

☐ E. Containers were not properly labeled to indicate the presence of RADIOACTIVE MATERIAL. 10 CFR 20.203(f) (1) or (f) (2)

☐ F. A current copy of 10 CFR 20, a copy of the license, or a copy of the operating procedures was not properly posted or made available. 10 CFR 20.206(b)

☐ G. Form AEC-3 was not properly posted. 10 CFR 20.206(c)

☐ H. Records of the radiation exposure of individuals were not properly maintained. 10 CFR 20.401(a) or 34.33(b)

☐ I. Records of surveys or disposals were not properly maintained. 10 CFR 20.401(b) or 34.43(d)

☐ J. Records of receipt, transfer, disposal, export or inventory of licensed material were not properly maintained. 10 CFR 30.51, 40.61 or 70.51

☐ K. Records of leak tests were not maintained as prescribed in your license, or 10 CFR 34.25(c)

☐ L. Records of inventories were not maintained. 10 CFR 34.26

☐ M. Utilization logs were not maintained. 10 CFR 34.27

☐ N. Records of radiation survey instrument calibration were not maintained. 10 CFR 34.24

☐ O. Records of teletherapy electrical interlock tests were not maintained as prescribed in your license.

☐ P. Other _____

_____
(AEC Compliance Inspector)

7. The AEC Compliance Inspector has explained and I understand the items of noncompliance listed above. The items of noncompliance will be corrected within the next 30 days.

BH

_____ _____
(Date) *(Licensee Representative – Title or Position)*

ORIGINAL TO LICENSEE Mailed 7-26-72

766

UNITED STATES
ATOMIC ENERGY COMMISSION
DIRECTORATE OF REGULATORY OPERATIONS
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

TELEPHONE
(312) 858-2660

July 17, 1972

James M. Allan, Acting Chief,
Radiological and Environmental Protection Branch

HEALTH PHYSICS ANALYSIS, WOODLAND MEDICAL GROUP
DETROIT, MICHIGAN, LICENSE NO. 21-13255-1

This small medical program is involved primarily in diagnostic procedures mainly using I-131 diagnostic capsules and Tc99m pertechnetate. The program is conducted and supervised by a competent physician and technician staff with due regard to radiation safety. The licensee has adequate facilities and equipment for the conduct of such a program. Personnel monitoring records show that personnel doses are maintained well below Part 20 limits. It is the opinion of the inspector that this program is conducted with due regard to the health and safety of licensee personnel and general public.

E. J. Moretti
Radiation Specialist

U. S. ATOMIC ENERGY COMMISSION
DIVISION OF COMPLIANCE

REGION III

EXPANDED FIELD NOTES

CO Inspection Report No.: _____

Subject: Woodland Medical Group

22341 W. Eight Mile Road

Location: ~~Detroit~~, Michigan 48219

License No.(s) 21-13255-1

Priority IV

Category G

Type of Licensee: Medical

Type of Inspection: Initial - Announced

Date(s) of Inspection: July 17, 1972

Date(s) of Previous Inspection: N/A.

Principal Inspector: E J Moretta

Accompanying Inspector(s): none

Other Accompanying Personnel: none

Report Prepared By: E J Moretta 7/25/72 (Date)

Report Reviewed By: J M Allan 7-28-72 (Date)

Proprietary Information: none

List of Documents Attached: none

Licensee Woodland Medical Group

A. Participants

Dr. Arthur A. Kaselemas, M.D., an authorized user & RSO. Ann Collis and Mary McCarmick, Reg. Technicians. State of Michigan observed my visit - Inspector unaccompanied.

B. Scope of License Program

Byproduct material is principally used for diagnostic procedures in this small medical program.

C. Organization

Leonard N. Barsam, Administrator; DR. Arthur A. Kaselemas, M.D., a user & RSO; Dr. Harold J. Daitch, M.D., other authorized. Two technicians, Ann Collis and Mary McCarmick, Reg. Technicians, assist in the Radioisotope Department.

D. Administrative Control

Dr. Kaselemas has principal responsibility for this licensed program actively and, also serves as its RSO.

E. Use of Material

Mainly Tc99m and I131, as diagnostic capsules, is used for diagnostic procedures listed in Groups I and II, Schedule A, 10CFR 35.100 - A 100 Mci Mo99-Tc99m generator is received weekly from New England Nuclear, and an average of 30 I131, 100 micro curie capsules, also received weekly from Mallinckrodt/Nuclear and Abbotts. Approx 200 scans are performed monthly. No P32 received to date and 2 I-131 therapies for hyperthyroidism per year so far.

Licensee Woodland Medical Group

F. Facilities

Radioisotope laboratory and counting room facilities located in basement area of medical group building; and these were noted to be as described in license application. Further plans call for these facilities to be moved to 1st floor of building when space becomes available. A waste storage room is used to hold spent generators and other wastes for decay.

G. Equipment

Radiation detection and measuring equipment as specified in license application are found to be on hand, in addition to a Cognetic CRC-24 calculator. A CDV-700 survey meter is also on hand.

H. Radiological Safety Procedures

Written radiological safety procedures as set forth in license application are provided to technicians. A Form NRC-3, "Notice to Employees" posted in Radioisotope Department. Radioisotope Department facilities are locked during non-working hours. Keys in custody of Dr. Kasselman and technicians.

I. Personnel Monitoring and Exposure to External Radiation

Landauer film badge service obtained on monthly basis, also ring badges. Film badge records reviewed showed total dose for 1972 through March 1972 was for (b)(6) Ex 6 (b)(6) ring badge was shown to be 390 mrem.

J. Exposure of Employees to Concentrations of Radioactive Materials

none

Licensee Woodland Medical Group

K. Effluents to Unrestricted Areas

none

L. Disposals

Spent generators are held for decay - none disposed to date. Plans to have Ring disposed there licensed disposal agent or return to NTEN. Cuvettes, used up for reagents procedures. No sanitary sewerage system disposal so far.

M. Miscellaneous Surveys, Evaluations, and Records

Weekly area surveys made of Radiopharmacy/Lab - records show radiation levels range from 0.1 - 0.3 mrem/hr at storage room area, and about 10 mr/hr at generator unit surface, general work area to be less 0.2 mr/hr. Records of receipts, distributions, inventory, personnel monitoring and area surveys are maintained by licensee.

N. Special License Conditions

License condition were reviewed with licensee personnel and no deficiencies with these were noted.

O. Posting and Labeling

All posting and labeling were observed to be in accordance with provisions of 10 CFR 20.203.

Licensee Woodland Medical Group

P. Independent Measurements

none

Q. Operations Observed

none

R. Incidents, Overexposures, Theft or Loss, Equipment Malfunction

none

S. Other Information or Continuation from Previous Paragraphs

none

Licensee Woodland Medical Group

Summary

Byproduct material, mainly I-131 capsules and Tc-99m, as dosing and generally low diagnostic procedures in this small Medical Program. No radiation safety problems were noted.

Noncompliance and Safety Items

none

Unusual Occurrences

none

Status of Previously Reported Noncompliance or Safety Items

none

Management Interview with

Mr. Leonard N. Bessin, Medical Group Administrator; and Dr. Arthur A. Kaseleras, M.D. Asst-RSO. They were advised no deficiencies noted and a clean Form NRC-591 was issued upon conclusion of inspection.