

U.S. ATOMIC ENERGY COMMISSION
REGULATORY OPERATION, REGION I
IRRADIATOR INSPECTION

(Field Notes)

Licensee 150 medix Incorporated P.O. Box 877 25 Eastman's Rd.		Facility Presippang N.J.
License No. 29-15364-01.		Inspection Date 12/12-13/74
Principal Inspector E. Epstein		Other Accompanying Persons None
Individuals Interviewed	Titles	Date of Interview
a A. Perrin Gen Manager	e R. Woolcock, P.I.	12-13-74
b W. M. Owen, Tech. Director	f J. B. Sme P.I.	Place of Interview
c W. Mc Kimm. Hotel Oper	g J. Dennis P.I.	in B's office
d L. Wither, Franklin Trust.	h	
Name of RSO C. Dietz		Tele # of RSO 201-887-4700
Enforcement Action None		
Unresolved Items None		
Safety Items None		

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PDR FOIA
GIDWAN184-705 PDR

64
R. Woolcock
12/16/74

A. Scope of Program

1. Number of individuals occupationally exposed 8.
2. Type of Irradiator (eg. Pool, Pit, etc.) hot cells with pool storage.
3. Number of Curies 250,000 Ci of Co⁶⁰
67,000 Ci of Co¹³⁷.
4. Frequency of use: daily times per use of Co⁶⁰.

B. Exposure Evaluation

1. Personnel

- a. Film Badge yes
- b. Dosimeter yes
- c. Other _____

2. Facility

- a. Independent area radiation monitor yes
- b. Survey meter when enter HRA yes

C. Surveys

1. Radiation levels in unrestricted areas less than 0.3 mR/hr
2. Contamination smears in restricted area yes
3. Leak Tests

- a. Frequency monthly
- b. Method adequate yes

4. Interlocks into HRA

- a. Frequency of Testing daily
- b. Functional at time of inspection yes

3 month maintenance lists of all equipment
monthly lists of fixed equipment
daily tests of all interlocks

c. Are they intentionally bypassed or deleted. Yes No

(1) Procedure if yes

d. In accordance with license? yes

e. Adequate? yes

5. Routine maintenance of Hot cell equipment adequate. Yes No

D. Instrumentation

1. Adequate type and number: Yes No

2. Calibration as required: Yes No

E. Evaluation of Effluent

1. Liquid liquid recirculated through fuel lines and in exchange

2. Airborne

F. Training

1. Std. Procedures ✓

2. Emergency Procedures ✓

3. AEC Regulations

G. Signs/Posting

1. CRM ✓

2. CHRA ✓

3. 19.11 ✓

H. Evaluation of Incoming Packages (20.205)

yes leak tests

I. Disposal

yes prior to transfer of all irradiators
4 to Dept of Agriculture

J. Evaluation of Outgoing Shipments - (DOT)

yes

K. Unusual Occurrences or Events

none since last inspection

L. Independent Measurements (Van, Inspector)

water sample taken at
storage pool



UNITED STATES
ATOMIC ENERGY COMMISSION
DIRECTORATE OF REGULATORY OPERATIONS
REGION 1
831 PARK AVENUE
KING OF PRUSSIA, PENNSYLVANIA 19406

H. D. Thornburg, Chief, Field Support and Enforcement Branch
Directorate of Regulatory Operations, Headquarters

**INDEPENDENT MEASUREMENTS AT MAJOR RADIOISOTOPE
PROCESSORS (INCLUDING POOL IRRADIATORS)**

As requested in John Davis' memo dated May 29, 1974, regarding the above subject, set forth below are inspection findings of certain measurements and observations made during the inspection.

Licensee: _____

License No.: _____

Date of Inspection: _____

1. Has the licensee recognized any losses or leakage of systems used to contain radioactivity?

2. Describe magnitude of loss, if any.

3. Describe licensee's procedure for control and measurement of leakage.

4. Report results of your independent measurements.

5. Report your conclusions and compare with those of the licensee.

Paul R. Nelson, Chief
Radiological & Environmental
Protection Branch