

RO: F

NRCXRO

In reply refer to:
RO:REPB
19-08330-03
19-00296-17

8478
30-1786

MAY 16 1974

Defense Nuclear Agency
Armed Forces Radiobiology Research Institute
ATTN: Myron I. Varon
Captain MC USN
Director
Bethesda, Maryland 20014

Gentlemen:

Thank you for your letter dated April 22, 1974, with respect to a correction in a letter dated April 2, 1974 submitted by the National Institutes of Health, reporting a high film badge reading.

Your cooperation with us is appreciated.

Very truly yours,

Original signed by
I. G. Davis

John G. Davis, Deputy Director
for Field Operations
Directorate of Regulatory Operations

cc: Mr. Michael Musachio
Radiation Safety Officer
National Institutes of Health
Bethesda, Maryland 20014

bcc: w/cpy ltr dtd 4/22/74

PDR
NSIC
L: AEB
L: MB
License Files
C. F. Eason
DR Central Files
J. Nehemias, RS

RO: I
DR Reading Files
RO Files

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PDR FOIA
MACKLIN82-269 PDR

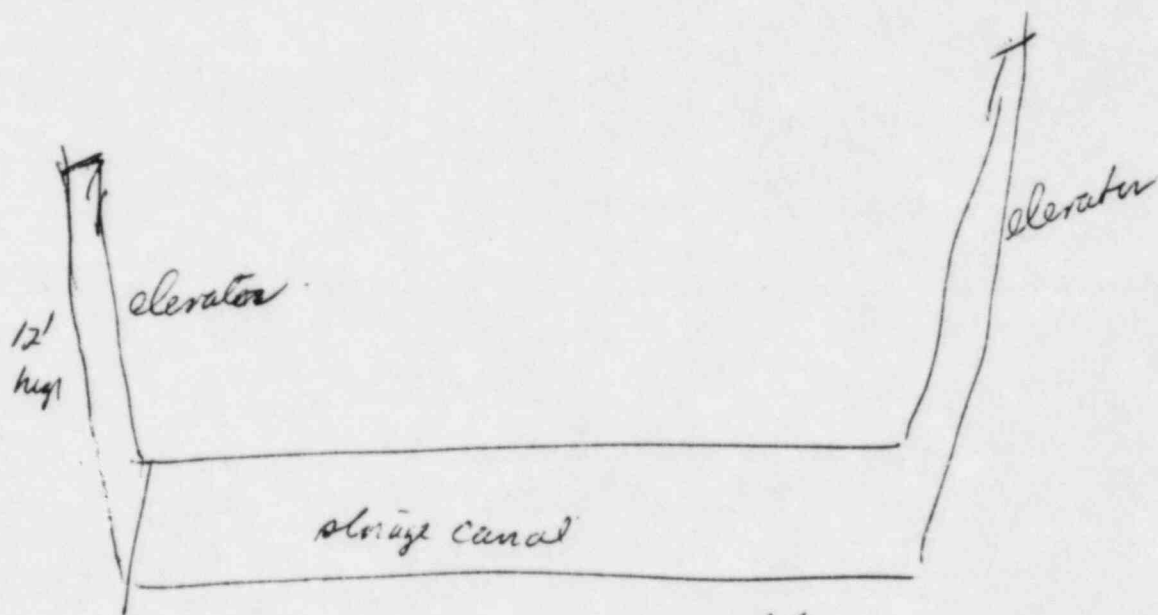
OFFICE →	RO:REPB	RO	RO			
SURNAME →	WBrockett:ef	GW Roy	JGDavis			
DATE →	5/14/74					

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

(Field Notes)

Licensee Defense Nuclear Agency Armed Forces Radiology Research Institute Bethesda Md. 20814		Facility Irradiator facility
License No. 14-08330-03		Inspection Date 11/11/74
Principal Inspector E. Epstein		Other Accompanying Persons None
Individuals Interviewed a Capt. Myron Varon, USN MC b L. Sieback RSO Director c J. Arnes Health Physics Operations d G C Weiss, Irrad. op.	Titles e R.E. Beiswenger f Irradiator off g h	Date of Interview Place of Interview 202-295-1285
Name of RSO L. Sieback		Tele # of RSO 202-295-1285
Enforcement Action None		
Unresolved Items None		
Safety Items None		

R. McEntech 11/22/74



gordo curve may be raised by
elevator at either end of facility

IR Radiation ops covered by Inspector

A. Scope of Program

1. Number of individuals occupationally exposed 2.
2. Type of Irradiator (eg. Pool, Pit, etc.) pool 5 ft.
3. Number of Curies ^{300,000 Ci stated} 5000 Ci ^{only 5000 Ci received} of Co 60.
4. Frequency of use: daily times per .

B. Exposure Evaluation

1. Personnel

- a. Film Badge ✓
- b. Dosimeter ✓
- 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 None detectable
2. Contamination smears in restricted area yes
3. Leak Tests
 - a. Frequency weekly
 - b. Method adequate Analysis of pool water weekly
4. Interlocks into HRA
 - a. Frequency of Testing Daily
 - b. Functional at time of inspection yes

tested by Inspector sources could not read
unless meter door was closed.

residual monitor checked and found operation
high level & low level monitors

c. Are they intentionally bypassed or deleted. Yes No

(1) Procedure if yes during by pass mode for maintenance. Interlock door may be opened. This was checked by the inspector. The by pass mode was initiated and the 50000 Ci Co^{60} was raised 1 foot from the pool floor. The interlock door was opened, and the low level monitor located immediately outside the interlock door alarmed and caused the source to immediately return to its safe storage position.

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 3

2. Calibration as required: Yes No

E. Evaluation of Effluent

1. Liquid yes

2. Airborne

F. Training

1. Std. Procedures yes

2. Emergency Procedures yes

3. AEC Regulations yes

G. Signs/Posting

1. CRM yes

2. CHRA yes

3. 19.11 yes

H. Evaluation of Incoming Packages (20.205)

N/A

I. Disposal

None

J. Evaluation of Outgoing Shipments - (DOT)

N/A

K. Unusual Occurrences or Events

None since investigation by Allen since 3/1/74

L. Independent Measurements (Van, Inspector)

yes.

water sample from pool taken
to be counted in Van