

VOID SHEET

TO: License Fee Management Branch

FROM:

Region IV

SUBJECT: VOIDED APPLICATION

Control Number:

464170

Applicant:

Dept. of the Army 30-02405-11

Date Voiced:

6/24/92

Reason for Void:

Should not have been set up  
as amendment. No renewal  
accomplished.

Brian Quayyaki 6/24/92  
signature date

Attachment:  
Official Record Copy of  
Voided Action

FOR LFMB USE ONLY

Final Review of VOID Completed:

- ☐ Refund Authorized and processed
- ☐ No Refund Due
- ☐ Fee Exempt or Fee Not Required

464170 not void at Hqs -

Comments:

Log completed ☐

Processed by:

[Signature]  
7/13/92

9207290395 920624  
REQ4 LIC30  
MATSLICENSING PDR

ML40



DEPARTMENT OF THE ARMY  
US ARMY WHITE SANDS MISSILE RANGE  
WHITE SANDS MISSILE RANGE, NEW MEXICO 88002



REPLY TO  
ATTENTION OF

MAR - 9 1992

Radiation Protection Division (ES-R)

27 Feb 92

MEMORANDUM THRU Commander, U.S. Army Test and Evaluation Command,  
ATTN: AMSTE-ST (Oxenberg), Aberdeen Proving Ground, MD  
21005-5055

FOR U.S. Nuclear Regulatory Commission, Region IV,  
611 Ryan Plaza Drive, Suite 1000, ATTN: Director,  
Division of Radiation Safety and Safeguards, Arlington, TX 76011

SUBJECT: Reloading Survey of Irradiator, White Sands Missile Range, USNRC  
License No. 30-02405-11

1. In accordance with condition 15, USNRC License No. 30-02405-11 issued to White Sands Missile Range (WSMR), NM, a preoperational survey was conducted of the AECL Eldorado-78 irradiator after the irradiator was reloaded with a new source. Results of the survey are at enclosure.
2. Questions or comments may be directed to the undersigned at DSN 258-1019 or commercial telephone (505) 678-1019.

GEORGE R. WENZ  
WSMR Radiation Protection Officer

Encl

CF:

AMCSF-S (Mr. Manfre)

FEE EXEMPT

464170

STEWS-ES-R (385-11a)  
MEMORANDUM THRU AMXTM-CW-WS

27 February 1992

For AMXTM-CW-WS-P, ATTN: Mr. Sleever

SUBJECT: Semiannual Radiation Protection Survey - AECL Gamma Irradiator, Bldg 23108, Nucleonics Calibration Facility, WSMR

1. GENERAL. On 3 Feb 92, George Wenz, WSMR Radiation Protection Officer, and Robert Huffmyer conducted the semiannual radiation protection survey of the AECL Eldorado-78 gamma irradiator located at the Nucleonics Calibration facility, Bldg 23108, WSMR. This survey also serves as the initial resourcing survey. The resourcing operation was completed on 3 Dec 91. Applicable regulations are AR 40-5, 15 Oct 90 (Preventive Medicine), AMCR 385-25, 12 Aug 68 with change 1 (Radiation Protection), USNRC License No. 30-02405-11, WSMRR 40-8, 10 Aug 84 (Control of Potential Hazards to Health from Ionizing Radiation), and AR 385-11, 1 May 80 (Ionizing Radiation Protection).

2. PURPOSE.

a. To evaluate the radiation exposure to personnel operating and to those remaining in the vicinity of the gamma irradiator.

b. To make such recommendations as are necessary to protect personnel from unwarranted radiation exposure.

c. To evaluate the other features of the radiation protection program in effect at the time of the survey.

3. Instruments used were an Eberline PIC-6A, serial number 1817, calibrated on 25 Nov 91 and a Eberline E520, serial number 2022, calibrated on 18 Nov 91.

4. FINDINGS.

a. Radiation measurements were taken with the source aperture set to give a 10' X 10' exposure size (without a phantom) on the irradiator cell south wall. Measured exposure levels are recorded on enclosure 1.

b. Radiation measurements at the source head with the source retracted indicated a general level of 20 mR/Hr at contact with the head. One very small area near the mechanical beam condition indicator, indicated a reading of 40 mR/Hr.

c. Army beta-gamma TLD badges were used by occupationally exposed personnel, as well as 0-200 mR and 0-50 R dosimeters and audible radiation indicators.

STEWS-ES-R (385-11a)

27 February 1992

SUBJECT: Semiannual Radiation Protection Survey - AECL Gamma Irradiator,

# ELDORADO 78 IRRADIATOR

7' Wall w/  
3' Wire Fence  
On Top

MAR - 9 1992

Old Pool Area  
(Dirt Filled)

0.5 mR/hr

1.0 mR/hr

0.8 mR/hr

5.0 mR/hr

40.0 mR/hr  
(@ Doors)

0.9 mR/hr

(Inside  
Building)

1.0 mR/hr  
(On Roof)

5' High  
Wire Fence

20 mR/hr  
(On Roof)

3.5 mR/hr  
(On Roof)

1.2 mR/hr

0.8 mR/hr

2

4

3

3

10.0 mR/hr

3

5

Earth Covered Berm

## KEY

1. Interlocked Doors
2. Emergency Terminate Button
3. RAM Detector Chambers
4. Source Position Indicator
5. Warning Lights

1.0 mR/hr

1.8 mR/hr

464170

Bldg 23108, Nucleonics Calibration Facility, WSMR

d. The following items were checked and found to be satisfactory:

- (1) Interlocks, emergency switch, warning lights.
- (2) RAMS and source position indicator.
- (3) Key set maintained satisfactorily.
- (4) Condition of berms, fences, and signs.
- (5) Unnecessary flammable materials not stored in facility.
- (6) Irradiator cell floor smears taken during month.
- (7) Radiation Work Permit

e. The AECL gamma range operates under approved SSOP No. AMXTM-CW-WS-P-30-84, 14 Dec 88.

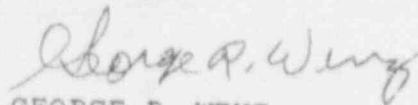
5. RECOMMENDATIONS.

a. That no personnel have access to the area within the exposure cell nor may any person remain in the exposure cell or the fenced roof/pool area while the source is exposed, as per SSOP No. AMXTM-CW-WS-P-30-84.

b. That personnel operating the gamma range continue to wear the prescribed dosimetry, and operate the irradiator in compliance with SSOP No. AMXTM-CW-WS-P-30-84.

c. That inquiries concerning this survey be directed to the WSMR Radiation Protection Officer, 678-1019/5609.

Encl



GEORGE R. WENZ  
WSMR Radiation Protection Officer