pen/mel / don/my to dettampie (b)(6)(b)(6)11 227 280 (b)(6) 1370 280 (b)(6) **353** 413 // 813 (b)(6) 11 280 11 Information in this record was deleted in accordance with the Freedom or Information Exemptions.

## TELEPHONE INCIDENT REPORT

Notify caller if secretary takes	
Date of Call: 10/12/66	Reported by: Ed 2 Harris
Time: 3:30 Pm	manyer, lafet at the Porteton MSD
Receiver: Srout	Phone No: 2/5- 969- 3/30 Extension:
<u> </u>	3/59
Company: S &	Person Involved: Dose:
Address: Mis Da	Person: people involved  Person: people friquetty let Dose:
Vally tonge	1 have a first them
License No: 37-2006-5	Personi Little: Versey Dast: Applied H Per
2 > 2402.7	Title: Mid Par Guraffe A
Describe Licensed Material Invol	
P-4221	FB Supplier & Address:
High Vollage 1.7 umi	
<u> </u>	
Describe Incident:	removed and welled to wire to formate an election
Tritum fail was cut, 1/4	removed and welled to were to producte an election.
Cut a Roma	9111, but welling attempt 12m 9137 (unmecential)
1 11 that a	V864 (successful). Beach top in Rooms
1	
3-4000 dpm Beta	
detected 10/1/66 ~ 10001	em
Present Status of Facility:	will decontamental best equipment decong and mark)
Cause of Incident:	1)
Most in	fact
education or no	in and possible record of rolevockers notered not suthinged
Any Publicity Releases	M
Other Agencies Notified:	toti Pa
Instructions & Requests	from CO-1 11 ( unonly us result
to Reporter of Incidents	A-A-A
Review 20.403 & 20.405	30 day styrond colonel report
Type of Incident:	Persons Assigned to Investigate:
	Dir.
	Sr. Rver
	Sr. Insp.
	Sr. Insp.

CHTIOTEAL FORM NO. 10 MAY 1962 EDITION GSA FFMR (41 CFR) 101-11.6 UNITED STATES GOVERNMENT

## Iemorandum

: Files TO

FROM

: William B. Grant, Radiation Specialist W38

Region I, Division of Compliance

SUBJECT: COMPLIANCE INQUIRY MEMORANDUM GENERAL ELECTRIC COMPANY VALIEY FORCE, PENNSYLVANIA LICENSE NO. 37-2006-5

EXPOSURE TO AIRBORNE TRITIUM, NO OVEREXPOSURES

On October 12, 1966, E. R. Harris, Manager, Safety and Fire Protection, Missile and Space Division, informed CO:I by telephone that some of his people had been exposed to concentrations of airborne tritium during attempts to weld a piece of a tritium foil to a wire in order to fabricate an electron source. Harris stated that subsequent to the AEC inspection conducted on September 7 and 8, 1966, he was routinely identifying and leak testing all sources on hand. During the evening of October 11, 1966, he discovered that the tritium foil, High Voltage Engineering Model No. P4227, a 1.8 curie source, had been cut with the tin snips and an approximate 1/4 piece welded to a wire. Harris reported that the cutting had taken place in Room 9111 and the first unsuccessful welding attempt in Room 9137. The second welding attempt was successfully accomplished in Room U864. Harris stated that he could not determine exactly when this had happened, but that it had occurred sometime during the week of August 29, 1966.

Harris stated that a slight amount of contamination (3,000 - 4,000 dpmB) had been found on the bench tops and some equipment in the rooms in which the welding had been done. He said that the rooms were closed off until decontaminated on the morning of October 12, 1966. He said that while only two persons were involved in the cutting and welding he was going to have urinalyses done on those two individuals and all other persons who had worked in or around the three rooms during the time in question.

On November 1, 1966, Harris informed CO:I of the results of the urinalyses taken October 26, 1966. The highest activity detected was in the urine of the individual who cut and welded the source; however, this activity was reported to be less than 1  $\mu$ c/l calculated back to the time of the exposure. This would give an infinite dose to the whole body of approximately 5 mrem.

Harris stated that this documents another incident of scientific personnel not getting or requesting approval of an operation involving radioactive material. He said that the man who cut and welded the source has had his



authorization to work with radioactive material withdrawn. He added that a complete overhaul of company radiation protection procedures and a basic health physics educational program are in progress.

We feel that no further action is necessary and the case is considered closed.

cc: CO:HQ

R. G. Page, SLR