

Mallinckrodt

BOX 10172 LAMBERT FIELD • ST. LOUIS, MISSOURI 63145 • 314 AX 1-0540

NUCLEAR

November 13, 1970

Mr. Gen W. Roy, Acting Chief
Materials Inspection and
Enforcement Branch
Division of Compliance
U. S. Atomic Energy Commission
Washington, DC 20545

Dear Mr. Roy:

RE: USAEC License #24-04205-01
USAEC License #29-13564-01
Letter from Mallinckrodt/Nuclear dated October 21, 1970

The purpose of this letter is to provide you the additional information requested via a telephone call from your Region III regarding our letter dated October 21, 1970.

The values in question reported by our filmbadge service and available corresponding pocket chamber data recorded by us for the period April 6, 1970 to July 5, 1970 are as follows:

Whole body exposures at Carlstadt, New Jersey.

Date:	INDIVIDUAL 1		INDIVIDUAL 2	
	Filmbadge	Pocket Chamber	Filmbadge	Pocket Chamber
4/6	380	65	120	95
4/13	260	140	530	112
4/20	290	127	390	121
4/27	270	112	330	69
5/4	1120	225	350	104
5/11	730	173	560	123
5/18	920	150	680	75
5/25	490	56	110	85
6/1	260	116	300	112
6/8	240	153	160	84
6/15	90	98	150	48
6/22	70	70	80	37
6/29	100	92	90	49
TOTALS:	5220	1252	3850	933

MALLINCKRODT CHEMICAL WORKS

Mr. Gen W. Roy
November 13, 1970
Page 2

Extremities exposures at Maryland Heights, Missouri.

Date:	INDIVIDUAL 1 Filmbadge		INDIVIDUAL 2 Filmbadge	
4/6	810	(c)	320	(c)
4/13	790		2650	
4/20	540		400	(c)
4/27	890		2300	
5/4	2940	(1)	400	
5/11	0		3490	
5/18	2100		1150	
5/25	11900	(2) (c)	1700	
6/1	2700	(c)	5700	
6/8	3100	(c)	1030	
6/15	0		30	
6/22	0	(3)	0	(4)
6/29	0		0	
TOTALS:	25770		19170	

- (c) Contaminated filmbadge
- (1) This value appears on the written record as 240 mrem. The 2,940 mrem was reported by telephone.
- (2) A reevaluation of this exposure on the basis of Hg-197 and Tc-99m gammas was given to us as 5,000 mrem.
- (3) These badges were not issued during the period of restriction from exposure and apparently were not returned since our filmbadge service has no record of them.
- (4) These badges were not issued during the period of restriction from exposure and apparently were not returned since our filmbadge service has no record of them.

The most recent phase of our filmbadge exposure study should be completed within the next week or two. A final evaluation of the exposures will be made by us after that time.

Sincerely yours,

MALLINCKRODT CHEMICAL WORKS
MALLINCKRODT/NUCLEAR

Donald W. Goldan

Donald W. Goldan, Chief
Radiological Protection Officer

Enc.

cc: Director, USAEC Region I
Director, USAEC Region III
A. J. Virgona

CARLSTADT, NEW JERSEY

Exemption 6

INDIVIDUAL 1

[REDACTED]

Social Security Number:
Date of Birth:

[REDACTED]

INDIVIDUAL 2

[REDACTED]

Social Security Number:
Date of Birth:

[REDACTED]

MARYLAND HEIGHTS, MISSOURI

INDIVIDUAL 1

[REDACTED]

Social Security Number:
Date of Birth:

[REDACTED]

INDIVIDUAL 2

[REDACTED]

Social Security Number:
Date of Birth:

[REDACTED]